Appendix E

Air Quality Technical Memorandum

BALBOA RESERVOIR PROJECT

Air Quality Technical Memorandum

Prepared for
San Francisco Planning Department
1650 Mission Street, Suite 400
San Francisco, CA 94103

August 2019

ESA

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August 2019

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CHAPTER 1
Modeling Methods and Assumptions

Construction Modeling

Construction emissions were estimated primarily using the California Emissions Estimator Model (CalEEMod) version 2016.3.2. Additional calculations were prepared outside of CalEEMod to supplement the analysis. The primary assumptions used to model construction emissions are presented below. **Table 1** presents the overall development characteristics, including square footage by land use type and the number of residential dwelling units, for the Developer's Proposed Option and the Additional Housing Option.

1. Off-road construction equipment
    a. Anticipated Schedule: the proposed project's construction schedule and phasing was based on project-specific data provided by the project sponsor. The air quality analysis assumed the Developer's Proposed Option and Additional Housing Option would have similar schedules and phasing. Construction phasing consisted of three phases as shown in **Table 2**.
    b. Compressed schedule: it is possible that construction could occur over a shorter duration with more intensive activity. In the extreme case, construction could occur over a three-year period with Phases 1 and 2 occurring simultaneously. Emissions were estimated for the compressed schedule by scaling emissions under the anticipated 6-year schedule into a three-year period. Specifically, total Phase 0 emissions occurring in 2021 and 2022 were assumed to occur entirely in 2021, total Phase 1 emissions occurring from 2022 to 2024 were assumed to occur in 2022 and 2023, and total Phase 2 emissions occurring from 2024 to 2027 were assumed to occur in 2022 and 2023. In addition, to account for the higher emission rates for Phase 2 equipment operating in 2022 and 2023 instead of 2024-2027, a scaling factor of 1.2 was applied to emissions from Phase 2 equipment based on CalEEMod outputs. This method does not directly account for the actual emission rates of equipment and vehicles in the earlier years, but it represents a basic approximation of compressed emissions from 2021 to 2023. The compressed schedule is also shown in **Table 2**.
    c. Equipment:
        i. Off-road equipment for each phase was based on project-specific data provided by the project sponsor. Off-road equipment quantities, horsepower, and engine tier were provided by the project sponsor for both scenarios as shown in **Table 3**.
        ii. In order to accurately represent emissions from the Additional Housing Option, a scaling factor was applied to the daily usage hours for the Developer's Proposed Option equipment fleet. The scaling factor was based on the square footage ratio of the Developer's Proposed Option to the Additional Housing Option for each building. For example, Building C in Phase 1 would be 171,000 square feet under the Developer's Proposed Option and 219,000 square feet under the Additional Housing

Option, so the scaling factor for construction equipment operating during Building C construction is 219,000 ÷ 171,000 = 1.28.

2. On-road construction equipment
   a. Vendor and haul truck travel:
      i. Daily vendor trips delivering materials and supplies to the project site would occur during Phase 1 and Phase 2 building construction. The number of vendor trips per building is based the project-specific rate of 23 daily vendor trips per 100,000 square feet of building space, as provided by the project sponsor. Vendor trip lengths were based on the CalEEMod default of 7.3 miles. Emissions were based on default vendor truck fleet mix values from CalEEMod (MHDT/HHDT split).
      ii. As a result of grading activities, the proposed project would export 57,000 cubic yards (CY) of soil requiring approximately 4,750 haul trucks. It was assumed soil would be exported to the Half Moon Bay Landfill located approximately 22 miles from the project site.
   b. Haul truck idling:
      i. It was assumed that idling activities would total 15 minutes per trip, representing three separate 5-minute idling occurrences: check-in to the site or queuing at the site boundary upon arrival, on-site idling during loading/unloading, and check-out of the site or queuing at the site boundary upon departure.
      ii. Idling emission rates for the heavy-heavy duty truck (HHDT) category were generated using the California Air Resources Board's (CARB) 2017 EMission FACtor (EMFAC2017) model.
   c. Worker trips:
      i. Daily worker trips traveling to the project site would occur during all phases of construction. The number of Phase 0 workers were provided by the project sponsor.
      ii. Phase 1 and Phase 2 workers trips per building is based on a project-specific rate of 45 daily workers per 100,000 square feet of building space, provided by the project sponsor.
      iii. Worker trip lengths were based on the CalEEMod default of 10.8 miles.
3. Asphalt paving:
   a. Fugitive ROG emissions from asphalt paving was calculated un CalEEMod assuming 4 acres of the site would be paved with asphalt.
4. Architectural coatings:
   a. The analysis calculated emissions of reactive organic gases (ROG) from applications of architectural coatings (i.e., paint) assuming that these coatings would meet BAAQMD standards for volatile organic compounds (VOC) content limits (Regulation 8, Rule 3).
5. Control measures
   a. Off-road construction equipment: all off-road construction equipment was modeled with Tier 4 Final engine emission standards.
   b. Architectural coatings: all coatings were modeled with a VOC content of 10 grams per liter to represent "super-compliant" low-VOC coatings (the CalEEMod default is 100–150 grams VOC per liter).

TABLE 1
PROJECT CHARACTERISTICS (GSF)

Proposed Use	Developer's Proposed Option	Additional Housing Option
Residential	1,283,000 (1,100 DU)	1,588,000 (1,550 DU)
Commercial (Retail/Café)	7,500	7,500
Community Facilities (Childcare)	10,000	10,000
Parking	339,900 (1,300 spaces)	231,000 (650 spaces)
Open Space	4 acres	4 acres
Total Built Area	**1,640,400**	**1,795,500**

ABBREVIATIONS:
GSF = gross square feet
DU = dwelling unit

TABLE 2
CONSTRUCTION SCHEDULE

Phase and Sub-phase	Start Date	End Date	Workdays
Phase 0 – Site Preparation			
Demolition/Excavation/Grading	3/1/2021	12/31/2021	220
Recycling Plant	5/1/2021	7/31/2021	65
Utilities/Drainage/Subgrade	7/1/2021	2/28/2022	173
Roadway Lift	2/1/2022	2/28/2022	20
Phase 1 – Building Construction			
Buildings C, D, I – Off-Road Equipment[a]	3/1/2022	9/30/2022	154
Buildings C, D, I – Architectural Coatings[a]	2/1/2024	8/31/2024	152
Building E – Off-Road Equipment	3/1/2022	9/30/2022	154
Building E – Architectural Coatings	4/1/2023	10/31/2023	152
Building F – Off-Road Equipment	3/1/2022	8/31/2022	132
Building F – Architectural Coatings	1/1/2024	8/31/2024	175
Building TH – Off-Road Equipment – Sub-phase 1[b]	3/1/2022	6/30/2022	88
Building TH – Off-Road Equipment – Sub-phase 2[b]	2/1/2023	6/30/2023	108
Building TH – Architectural Coatings – Sub-phase 1[b]	10/1/2022	4/30/2023	150
Building TH – Architectural Coatings – Sub-phase 2[b]	2/1/2024	8/31/2024	152
Phase 2 – Building Construction			
Material off-haul	9/1/2024	10/25/2024	47
Buildings G, A, H – Off-Road Equipment	9/1/2024	3/31/2025	151
Buildings G, A, H – Architectural Coatings	5/1/2026	1/31/2027	196
Buildings B & Parking Structure – Off-Road Equipment	9/1/2024	3/31/2025	151
Buildings B & Parking Structure – Architectural Coatings	10/1/2025	4/30/2026	152
Total Construction – Anticipated Schedule			
Phase 0	3/1/2021	2/28/2022	261
Phase 1	3/1/2022	8/31/2024	654
Phase 2	9/1/2024	1/31/2027	630
Total Construction – Compressed Schedule			
Phase 0	3/1/2021	12/31/2021	220
Phase 1	1/1/2022	12/31/2023	520
Phase 2	1/1/2022	12/31/2023	520

SOURCE: Project Sponsor

NOTES:

[a] For the Developer's Proposed Option, this phase includes Buildings C and D; for the Additional Housing Option, this phase includes Buildings C, D, and I.

[b] Construction of the TH building was split into two sub-phases to capture a more detailed construction schedule provided by the project sponsor.

TABLE 3
CONSTRUCTION EQUIPMENT FLEET

Equipment Type	Number of Equipment	Engine Horsepower	Engine Tier
Aerial Lifts	3	63	n/a (electric)
Air Compressors	21	78	CalEEMod default
Cranes	9	231	n/a (electric)
Crawler Tractors	4	400	Tier 4 Final
Crushing/Proc. Equipment [a]	1	350	Tier 4 Final
Excavators	16	250–325	Tier 3
Generator Sets	11	84	CalEEMod default
Graders	1	330	CalEEMod default
Other Construction Equipment	1	350	Tier 4 Final
Pavers	1	130	CalEEMod default
Paving Equipment	1	132	CalEEMod default
Plate Compactors	15	8	CalEEMod default
Rollers	1	80	CalEEMod default
Rough Terrain Forklifts	8	100	CalEEMod default
Skid Steer Loaders	12	65	CalEEMod default
Tractors/Loaders/Backhoes	11	250	CalEEMod default

SOURCE: Project Sponsor

ABBREVIATIONS:
n/a = not applicable
CalEEMod = California Emissions Estimator Model

NOTES:
[a] This represents the asphalt recycling plant.

TABLE 4
CONSTRUCTION EQUIPMENT FLEET BY PHASE SCHEDULE

Phase/Sub-phase/Equipment Type	No. of Equipment	Hours per Day	
		Developer	Additional
Phase 0 – Site Preparation			
Demolition/Excavation/Grading			
Excavators	2	7.2	7.2
Other Construction Equipment	1	3.2	3.2
Graders	1	7.2	7.2
Plate Compactors	2	7.2	7.2
Crawler Tractors	2	7.2	7.2
Recycling Plant			
Crushing/Proc. Equipment	1	8.0	8.0
Utilities/Drainage/Subgrade			
Crawler Tractors	2	6.0	6.0
Excavators	2	8.0	8.0
Plate Compactors	2	6.0	6.0

Phase/Sub-phase/Equipment Type	No. of Equipment	Hours per Day	
		Developer	Additional
Roadway Lift			
Paving Equipment	1	8.0	8.0
Pavers	1	8.0	8.0
Rollers	1	8.0	8.0
Phase 1 – Building Construction			
Buildings C, D, I – Off-Road Equipment[a]			
Excavators	2	4.6	5.7
Plate Compactors	2	2.3	2.9
Skid Steer Loaders	2	5.7	7.2
Tractors/Loaders/Backhoes	2	3.4	4.3
Air Compressors	2	8.0	10.0
Cranes	2	8.0	10.0
Buildings C, D, I – Architectural Coatings[a]			
Air Compressors	2	8.0	10.0
Building E – Off-Road Equipment			
Excavators	1	4.6	7.3
Plate Compactors	1	3.4	5.4
Skid Steer Loaders	1	6.9	10.9
Tractors/Loaders/Backhoes	1	2.3	3.6
Air Compressors	1	8.0	12.7
Generator Sets	1	8.0	12.7
Cranes	1	8.0	12.7
Building E – Architectural Coatings			
Air Compressors	1	8.0	12.7
Building F – Off-Road Equipment			
Excavators	1	4.0	3.7
Plate Compactors	1	2.7	2.4
Skid Steer Loaders	1	6.7	6.1
Tractors/Loaders/Backhoes	1	2.7	2.4
Generator Sets	1	8.0	7.3
Cranes	1	8.0	7.3
Building F – Architectural Coatings			
Air Compressors	1	8.0	7.3

Phase/Sub-phase/Equipment Type	No. of Equipment	Hours per Day	
		Developer	Additional
Building TH – Off-Road Equipment – Sub-phase 1[b]			
Excavators	1	8.0	5.0
Plate Compactors	1	8.0	5.0
Skid Steer Loaders	1	8.0	5.0
Tractors/Loaders/Backhoes	1	8.0	5.0
Air Compressors	1	8.0	5.0
Generator Sets	1	8.0	5.0
Air Compressors	1	6.9	5.0
Rough Terrain Forklifts	4	8.0	5.0
Building TH – Off-Road Equipment – Sub-phase 2[b]			
Excavators	1	8.0	5.0
Plate Compactors	1	6.4	4.0
Skid Steer Loaders	1	8.0	5.0
Tractors/Loaders/Backhoes	1	6.4	4.0
Generator Sets	1	8.0	5.0
Aerial Lifts	1	8.0	5.0
Rough Terrain Forklifts	4	8.0	5.0
Excavators	1	8.0	5.0
Skid Steer Loaders	1	8.0	5.0
Aerial Lifts	1	8.0	5.0
Building TH – Architectural Coatings – Sub-phase 1[b]			
Air Compressors	1	8.0	5.0
Building TH – Architectural Coatings – Sub-phase 2[b]			
Air Compressors	1	8.0	5.0
Phase 2 – Building Construction			
Material off-haul			
Haul Trucks[c]	4,747	8.0	8.0
Buildings G, A, H – Off-Road Equipment			
Excavators	3	3.4	4.2
Plate Compactors	3	2.3	2.8
Skid Steer Loaders	3	5.7	7.1
Tractors/Loaders/Backhoes	3	2.3	2.8
Air Compressors	3	6.9	8.5
Generator Sets	3	8.0	9.9
Cranes	3	8.0	9.9
Buildings G, A, H – Architectural Coatings			
Air Compressors	3	8.0	9.9

Phase/Sub-phase/Equipment Type	No. of Equipment	Hours per Day	
		Developer	Additional
Buildings B & Parking Structure – Off-Road Equipment			
Excavators	2	4.6	8.8
Plate Compactors	2	3.4	6.6
Skid Steer Loaders	2	6.9	13.3
Tractors/Loaders/Backhoes	2	2.3	4.4
Air Compressors	2	6.9	13.3
Generator Sets	2	8.0	15.5
Cranes	2	8.0	15.5
Buildings B & Parking Structure – Architectural Coatings			
Air Compressors	3	8.0	15.5

SOURCE: Project Sponsor

NOTES:

[a] For the Developer's Proposed Option, this phase includes Buildings C and D; for the Additional Housing Option, this phase includes Buildings C, D, and I.

[b] Construction of the TH building was split into two sub-phases to capture a more detailed construction schedule provided by the project sponsor.

[c] The "No. of Equipment" for haul trucks represents the total number of roundtrip haul truck trips needed for excavation for both project options = 4,747 trips.

Operational Modeling

Similar to construction emissions, operational emissions were estimated primarily using the CalEEMod version 2016.3.2 emissions model. Additional calculations were prepared outside of CalEEMod to supplement the analysis. The primary assumptions used to model operational emissions are presented below.

1. Mobile sources:

    a. Mobile source emissions were generated using CalEEMod and were based on trip rates for each land use provided in the project project's traffic study.[1] The trip rates and trip lengths are provided in **Table 5** below.

    b. The traffic study trip rates are primarily light-duty vehicles, but would also include a small percentage of trucks for delivery vehicles at the curb. According to the 2018 San Francisco Transportation Analysis (TIA) Guidelines,[2] 11.3 percent of residential person trips and 0.5 percent of retail person trips are associated with delivery trips at the curb (no trucks are anticipated for the childcare).[3] Of these delivery trips, 11 percent would be made by trucks.[4] Consequently, about 4 percent of total vehicle trips for the project (excluding delivery trips made at the loading docks; see the *Freight/delivery vehicle travel and idling* section below [Item 4]) would be associated with trucks. Therefore, the

1 Kittelson & Associates, *Travel Demand Memorandum*, April 29, 2019, Table 6.

2 San Francisco Planning, *Transportation Impact Analysis Guidelines*, February 2019, Attachment B: San Francisco Travel Demand Update: Data Collection and Analysis, Table 25 *http://default.sfplanning.org/publications_reports/TIA_Guidelines.pdf*, accessed April 2019.

3 Assumed Place Type 3 for residential and Place Type 2 for retail.

4 Teresa Whinery, Fehr & Peers, e-mail to Wade Wietgrefe, San Francisco Planning, March 13, 2019.

CalEEMod default fleet mix was modified to reflect the anticipated fleet mix for the project. The light-duty vehicle fleet, including the light-duty auto (LDA), motorcycle (MCY), light-duty tucks 1 (LDT1), and light-duty tucks 2 (LDT2) vehicle categories, was adjusted to represent approximately 96 percent of the total vehicle fleet to exclude the one percent truck trips. The remaining CalEEMod truck vehicle types, including medium-duty vehicles (MDV), light-heavy-duty trucks 1 (LHDT1), light-heavy-duty trucks 2 (LHDT2), medium-heavy-duty trucks (MHDT), and heavy-heavy-duty trucks (HHDT), were adjusted to represent approximately four percent of the total vehicle fleet.

c. The default primary, diverted, and passby trip percentages were adjusted to 100% primary trips to conservatively estimate project trip lengths and to avoid double-counting diverted and passby trip characteristics already embodied in the trip rates used for the project project's traffic study.

d. To calculate emissions from road dust, the default silt loading factor was revised to represent a more accurate factor for roads in San Francisco. Following CARB's methods for paved road dust for entrained road travel, the composite silt loading factor of 0.09696 grams per square meter (g/m^2) was used in the modeling (the CalEEMod default value is 0.1 g/m^2).[5]

2. Area sources:

a. Area source emissions from landscaping equipment, consumer products, paint and other architectural coatings, and natural gas combustion in heaters, boilers, and restaurant stoves were generated using CalEEMod. Emissions were based on the square footage of the proposed development.

b. A San Francisco County-specific consumer product emission factor was used in CalEEMod to estimate daily ROG emissions from the use of consumer product by future occupants of the proposed development. This factor is 1.51×10^{-5} pounds of ROG per square foot per day; the CalEEMod default value for San Francisco is 2.14×10^{-5} pounds of ROG per square foot per day.[6]

c. For both the Developer's Proposed Option and Additional Housing Option, it was assumed that only 100 residences would have natural gas fireplaces; these are the townhomes for the project.

d. Default CalEEMod energy usage rates, which are based on 2016 Title 24 energy standards, were modified to reflect 2019 Title 24 energy standards, which come into effect for all new buildings constructed after January 1, 2020.

3. Emergency generators:

a. Diesel-powered emergency generator emissions were estimated outside of CalEEMod using emissions limits established for new stationary emergency standby diesel-fueled internal combustion engines in CARB's Airborne Toxic Control Measure for Stationary Compression Ignition Engines final regulation for model year 2008 and newer engines of $300 \geq HP < 600$.[7]

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5 Bay Area Air Quality Management District, *Miscellaneous Process Methodology 7.9 Entrained Road Travel, Paved Road Dust*, November 2016. Available at *https://www.arb.ca.gov/ei/areasrc/fullpdf/full7-9_2016.pdf*. Accessed January 2019.

6 Alison Kirk, Senior Environmental Planner, Bay Area Air Quality Management District. Email correspondence on March 19, 2014, with Wade Wietgrefe of the San Francisco Environmental Planning Department.

7 California Air Resources Board, Final Regulation Order: *Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater*, February 11, 2011. Available at *https://www.arb.ca.gov/portable/perp/perpatcm.pdf*. Accessed January 2019.

b. Emissions were estimated based on a maximum annual non-emergency operation schedule of 50 hours each, consistent with emergency standby engine testing limits established in BAAQMD Regulation 9-8-330.3.

c. The Developer's Proposed Option would have two generators and the Additional Housing Option would have six generators. Each generator would have an average of 400 horsepower (300 kilowatts).

d. Specific generator locations were not provided; therefore, generator locations chosen represent the closest potential locations to off-site receptors directly west of the project boundary and would result in the highest potential concentrations and health risks at on-site sensitive receptor locations. For the Developer's Proposed Option, generators were located on the west side of Block D and the north side of Block B, close to and directly upwind of residential receptors in Block D and residential and daycare receptors in Block B. For the Additional Housing Option, the additional four generators were located at the southeast corner of Block G, the southwest corner of Block E, the southwest corner of Block C, and the northwest corner of Block A.

4. Fright/delivery vehicle travel and idling:

   a. Emissions associated with daily freight delivery and service vehicle trips to the loading docks were estimated outside of CalEEMod using emission factors from EMFAC2017 by vehicle type. These loading dock trips would occur in addition to the vehicle trips discussed in the *Mobile Sources* section above (item 1), which only include delivery trips at the curb.

   b. The number of daily delivery/service vehicle trips was estimated based on the size of each land use and a truck trip generation rate specific to each land use as specified in the project project's traffic study.[8] **Table 6** presents the freight loading trip rates and trip lengths.

   c. The total daily trips were distributed into specific vehicle categories assuming all delivery vehicle trips made to the loading docks are made by trucks. The default CalEEMod vehicle type distribution for LHDT2 (approximately 11 percent), MHDT (approximately 69 percent), and HHDT (approximately 20 percent) were used to model emissions.

   d. It was assumed that all vehicle categories except cars and pickup trucks were diesel-powered.

   e. Travel emissions were estimated assuming 9.5 miles per one-way trip, which is the CalEEMod default trip length for "commercial-work" trip types.

   f. Idling emissions were estimated assuming 15 minutes of idling per roundtrip, representing three separate 5-minute idling occurrences: check-in to the site or queuing at the site boundary upon arrival, on-site idling during loading/unloading, and check-out of the site or queuing at the site boundary upon departure. Idling emissions were estimated for LHDT2, MHDT, and HHDT vehicle types using EMFAC2017.

5. Control measures

   a. All operational generators were modeled with Tier 4 emission standards.

[8] Kittelson & Associates, *Travel Demand Memorandum,* April 29, 2019, Table 9.

TABLE 5
TRIP RATES AND TRIP LENGTHS

Trip Type	Daily Trips (one-way)	Trip Rate (unit)	Average Trip Length[a]
Developer's Proposed Option			
Residential	2,842	2.58 (per DU)	7.15
Commercial (Retail/Café)	192	25.60 (per 1,000 ft^2)	7.67
Community Facilities (Childcare)	134	13.40 (per 1,000 ft^2)	7.58
Total	*3,163*	—	—
Additional Housing Option			
Residential	4,116	2.66 (per DU)	7.15
Commercial (Retail/Café)	192	25.60 (per 1,000 ft^2)	7.67
Community Facilities (Childcare)	134	13.40 (per 1,000 ft^2)	7.58
Total	*4,442*	—	—

SOURCE: Kittelson & Associates, *Travel Demand Memorandum*, April 29, 2019, Table 6.

ABBREVIATIONS:
ft^2 = square feet
DU = dwelling unit

NOTES:
[a] The average trip lengths are calculated using CalEEMod default values for the City of San Francisco. These trip lengths do not incorporate primary, passby, and diverted trip percentages (default values were used in the modeling).

TABLE 6
FREIGHT LOADING TRIP RATES AND TRIP LENGTHS

Trip Type	Daily Trips (roundtrips)	Trip Rate (unit)	Average Trip Length[a]
Developer's Proposed Option			
Residential	38.5	0.03 (per DU)	9.5
Commercial (Retail/Café)	1.7	0.22 (per 1,000 ft^2)	9.5
Community Facilities (Childcare)	1	0.10 (per 1,000 ft^2)	9.5
Total	*41.1*	—	—
Additional Housing Option			
Residential	46.4	0.03 (per DU)	9.5
Commercial (Retail/Café)	1.7	0.22 (per 1,000 ft^2)	9.5
Community Facilities (Childcare)	1	0.10 (per 1,000 ft^2)	9.5
Total	*49.1*	—	—

SOURCE: Kittelson & Associates, *Travel Demand Memorandum*, April 29, 2019, Table 8.

ABBREVIATIONS"
ft^2 = square feet
DU = dwelling unit

NOTES:
[a] The average trip lengths are the CalEEMod default values for the City of San Francisco for Commercial-Work trip types (C-W).

Health Risk Assessment

The HRA was prepared using technical information and HRA protocol from the Bay Area Air Quality Management District (BAAQMD), California Air Pollution Control Officer's Association (CAPCOA), California Air Resources Board (CARB), Office of Environmental Health Hazard Assessment (OEHHA), and the U.S. Environmental Protection Agency (U.S. EPA). The HRA evaluates the estimated incremental increase in lifetime cancer risks from exposure to emissions of diesel particulate matter (DPM) and the annual average $PM_{2.5}$ (particulate matter less than or equal to 2.5 microns in diameter) concentrations associated with combustion (i.e., exhaust) that would be emitted by project-related construction sources and project-related operational sources. Concentrations were estimated using the American Meteorological Society/Environmental Protection Agency regulatory air dispersion model (AERMOD version 9.6.5).

The HRA estimates lifetime excess cancer risk and annual average exhaust $PM_{2.5}$ concentrations that are attributable to other mobile and stationary sources as calculated in the San Francisco Community Risk Reduction Plan (CRRP) (referred to as the CRRP-HRA) CRRP-HRA, in addition to affects from the proposed project.

The primary assumptions used to model health risks are presented below.

1. Toxic Air Contaminant (TAC) concentrations:
    a. General AERMOD modeling parameters are presented in **Table 7**.
    b. Meteorological data: meteorological data from the Mission Bay (Site ID# 5803) monitoring site was used, consistent with the CRRP-HRA.
    c. Terrain and Land Use Considerations: terrain and elevation data was imported from the United States Geological Survey's (USGS) National Elevation Dataset;[9] elevations for all receptors are from the CRRP-HRA.
    d. Emission Rates:
        i. Emission rates of DPM, $PM_{2.5}$ exhaust, and total organic gases (TOG) exhaust from the various emission sources (e.g., construction activities, roadways, emergency generators, etc.) were be based on the anticipated hours of activity for each source and other information as described above. It was assumed that all haul trucks and all vendor trucks are diesel.
        ii. For mobile sources, including construction haul trucks, project operational vehicle traffic, and freight delivery vehicles, a scaling factor was applied to total TAC emissions associated with these sources to represent only those TAC emissions that occur within the modeling domain for the roadways traveled within 1,000 meters of the project site. For haul trucks, the roundtrip length is 40 miles (20 miles one-way), but the roadway segment modeled in AERMOD is 0.63 miles; thus the scaling factor is 0.0158 (40 ÷ 0.63 = 0.0158). For operational vehicle traffic, the average roundtrip length is 14.36 miles (7.18 miles one-way), but the roadway segment modeled in AERMOD is 1.04 miles; thus the scaling factor is 0.0728 (14.36 ÷ 1.04 = 0.0728). For operational delivery vehicles, the average roundtrip length is 19 miles (9.5 miles

[9] United States Geological Survey, *National Elevation Dataset*, 2013. Available at *www.mrlc.gov/viewerjs/*. Accessed March 2017.

one-way), but the roadway segment modeled in AERMOD is 1.04 miles; thus the scaling factor is 0.0548 (19 ÷ 1.04 = 0.0728).

iii. Each source is modeled with a unitized emission rate of 1 gram/second (g/s). The modeled concentration at each receptor (micrograms per cubic meter [μ/m^3]/[g/s]) represents a "dispersion factor," which was then multiplied by the actual emission rate of each source to determine actual concentrations, and the final result from all the sources was superimposed.

iv. Annual average ambient air concentrations were determined by multiplying the annual average dispersion factors by the annual average emission rates for each source. For simplicity, the model assumed a constant annual emission rate for each year.

e. Source Parameters (see **Table 8**):

i. Construction sources were modeled as an area source within AERMOD using the same release parameters used in the CRRP-HRA, including a release height of 5 meters and an initial vertical dimension of 1.4 meters.

ii. Roadways were modeled as line-area sources. The line-area source width corresponds to the roadway width, while the modeled release height was 2.5 meters and the initial vertical dimension was 2.3 meters, consistent with the CRRP-HRA modeling and U.S. EPA Haul Road Guidance.[10]

iii. Delivery vehicle idling was modeled as a line-area source.

iv. Emergency generators were modeled as stationary point sources located at-grade (assuming the generators will be located in the building basements and their emissions will be ventilated at street-level).

f. Receptors:

i. A 20-meter receptor modeling grid extended 1,000 meters from the project boundary was modeled within AERMOD to represent both off-site and on-site sensitive receptors; this is the same receptor grid as used in the CRRP-HRA.

ii. Receptors were placed at a height of 1.8 meters above terrain height, which represents the default breathing height for ground floor receptors.

i. Off-site sensitive receptor locations include residential areas (based on residential land use and/or zoning data), daycares, and schools (for children under 16 years of age). **Table 9** presents the location of daycares and schools within 1,000 meters of the project site, and whether each receptor is located within the Air Pollutant Exposure Zone (APEZ).

ii. On-site sensitive receptor locations include residential receptors located in each building and daycare receptors located in Building B. It was assumed that daycare receptors would be present at the site when Phase 1 construction is complete and exposed to all Phase 2 construction emissions. Although the project phasing plan indicates that the daycare is part of Phase 2 and would not be occupied until Phase 2 construction is complete (and therefore daycare receptors would not be exposed to any construction emissions), the HRA assumes that daycare receptors would be present when Phase 1 is complete. This results in a highly conservative assessment of daycare risk.

[10] United States Environmental Protection Agency, H*aul Road Workgroup Final Report Submission to EPA-OAQPS,* March 2012. Available at: https://www3.epa.gov/scram001/reports/Haul_Road_Workgroup-Final_Report_Package-20120302.pdf. Accessed: January 2019.

iii. To determine whether each receptor within the modeling domain is located in the APEZ, google earth and GIS files from EP were adjusted. The data from EP show that certain receptor points located on roadways and on Highway 280 are sensitive receptors in the APEZ, due to the nature of the APEZ classification done at the parcel-level. Per instruction from EP staff, all receptor points located in roadways are not APEZ receptors and should not be considered as such in the HRA.[11] Consequently, ESA removed all receptor points located on roadways and on Highway 280 from the analysis.

2. Health Risks (see **Table 10**)

   a. Project-related sources: health risks were estimated for construction activity including off-road construction equipment, paving, architectural coating, haul truck travel and idling, vendor trucks, and worker trips; and for operational activity including area sources, mobile sources, emergency generators, and idling from delivery vehicles.

   b. Pollutants modeled:

      i. DPM, $PM_{2.5}$ exhaust, and total organic gases (TOG) exhaust from operational mobile sources was included in the modeling.

      ii. TOG exhaust and evaporative emissions includes speciated TAC emissions of Acetaldehyde, acrolein, benzene, 1,3-butadiene, ethylbenzene, formaldehyde, hexane, methanol, methyl ethyl ketone, naphthalene, ethylbenzene, hexane, toluene, xylenes.

   c. Exposure Assessment

      i. Potentially exposed populations: receptor types assessed in the HRA include existing off-site resident, off-site daycare receptors, and off-site school receptors, along with new on-site residents and on-site daycare receptors. Table 9 presents the location of existing off-site daycare and school receptors included in the analysis.

      ii. Construction exposure scenarios

         a) Scenario 1: off-site receptors (residents, daycare, and school) evaluated starting when construction commences for Phase 1 (March 2021) and exposed to all construction emissions for Phase 1 and Phase 2 (6 years, ending in January 2027).

         b) Scenario 2: on-site receptors (residents and daycare[12]) present at the project site once Phase 1 is complete evaluated starting when construction for Phase 1 concludes (August 2024) and exposed to all Phase 2 construction emissions (2.5 years, from September 2024 to January 2027).

      iii. Operational exposure scenarios

         a) Scenario 3: off-site receptors (residents, daycare, and school) evaluated starting when construction commences and exposed to all construction emissions (one year for Phase 0, 2.5 years for Phase 1, and 2.5 years for Phase 2 for 6 years total) and 27 years of operational emissions (27 years of Phase 1 emissions and 24 years of Phase 2 emissions for 30 years total, beginning in 2021 with

[11] Josh Pollak, Senior Environmental Planner, San Francisco Planning Department. January 30, 2019. Email communication with Brian Schuster of ESA.

[12] It was assumed that daycare receptors would be present at the site when Phase 1 construction is complete and exposed to all Phase 2 construction emissions. Although the project phasing plan indicates that the daycare is part of Phase 2 and would not be occupied until Phase 2 construction is complete (and therefore daycare receptors would not be exposed to any construction emissions), the HRA assumes that daycare receptors would be present when Phase 1 is complete. This results in a highly conservative assessment of daycare risk.

construction of Phase 0 and ending in 2051 with operation). This is equivalent to the Scenario 1.1 construction exposure plus 24 years of operational exposure.

b) Scenario 4: On-site receptors (residents and daycare) present at the project site once Phase 1 is complete evaluated starting when construction for Phase 1 concludes (August 2024) and exposed to all Phase 2 construction emissions (2.5 years, from August 2024 to January 2027) and 30 years of operational emissions (30 years of Phase 1 emissions and 27 years of Phase 2 emissions for 30 years total, beginning in 2024 with Phase 2 construction and ending in 2054 with operation). This is equivalent to the Scenario 2.1 construction exposure plus 30 years of operational exposure.

c) Scenario 5: off-site (residents, daycare, and school) and on-site receptors (residents and daycare) evaluated starting when full buildout operation commences (expected to occur as soon as Phase 2 construction concludes in January 2027) and exposed to 30 years of operational emissions (ending in 2056).

iv. Exposure Assumptions: all exposure assumptions are presented in Table 10 below, and are based on risk assessment guidelines from OEHHA (2015)[13] and BAAQMD (2016).[14]

v. Toxicity Assessment: The toxicity values used in the analysis for DPM and gasoline-related TACs associated with TOG emissions from light-duty operational vehicles are from OEHHA (2018)[15] and CARB (2012).[16] These toxicity values are for carcinogenic (cancer) effects; the primary pathway for exposures is assumed to be inhalation. The incremental risks will be determined for each TAC emission source (DPM for construction and operation and TOG for operation) and summed to obtain an estimated total incremental cancer health risk. **Table 11** presents these values.

vi. Age Sensitivity Factors (ASF): cancer risk estimates were weighted by a factor of 10 for exposures that occur from the third trimester of pregnancy to two years of age and by a factor of three for exposures that occur from two years through 15 years of age. No weighting factor (i.e., an ASF of one, which is equivalent to no adjustment) is applied to ages 16 to 30 years.

vii. Modeling Adjustment Factors:

a) For exposure to construction emissions, since construction represents a non-continuous source, a modeling adjustment factor was used for daycare and school receptors to determine the long-term average daily concentration the daycare/school receptors may be breathing during their time at daycare and school. This is consistent with OEHHA (2015) protocol.

b) Daycare receptors: a model adjustment factor of 2.2 was used, calculated using a discount factor of 0.7 (equation = [8 hours / 8 hours] * [5 days / 7 days] = 0.7)

13 Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Guidance Manual for the Preparation of Health Risk Assessments*, February 2015. Available at http://oehha.ca.gov/air/hot_spots/hotspots2015.html. Accessed: January 2019.

14 Bay Area Air Quality Management District, *Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines*, January 2016. Available at http://www.baaqmd.gov/~/media/files/planning-and-research/rules-and-regs/workshops/2016/reg-2-5/hra-guidelines_clean_jan_2016-pdf.pdf?la=en. Accessed January 2019.

15 California Air Resources Board, *Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values*. Last Updated: August 20, 2018. Available: <http://www.arb.ca.gov/toxics/healthval/contable.pdf>. Accessed: January 2019.

16 Bay Area Air Quality Management District, Recommended Methods for Screening and Modeling Local Risks and Hazards, May 2012, Table 14, Toxic Speciation of TOG due to Tailpipe Emissions. Available: <http://www.baaqmd.gov/~/media/Files/Planning%20and%20Research/CEQA/Risk%20Modeling%20Approach%20May%202012.ashx?la=en>. Accessed: January 2019.

multiplied by an adjustment factor of 3.1 (equation = [24 hours / 11 hours] * [7 days / 5 days] = 3.1).

c) School receptors: a model adjustment factor of 3.1 was used (equation = [24 hours / 11 hours] * [7 days / 5 days] = 3.1).

d) No modeling adjustment factors were used for operational exposure, because operational emissions are a continuous source.

viii. Calculation of intake: The dose estimated for each exposure pathway is a function of the concentration of a chemical and the intake of that chemical. The intake factor for inhalation was calculated as follows using **Equation 1**. The values used in this equation are presented in Table 10 below.

Equation 1: $$IF_{inh} = \frac{DBR * FAH * EF * ED * MAF * ASF * CF}{AT}$$

Where:

IF_{inh} = Intake Factor for Inhalation (m^3/kg-day)
DBR = Daily Breathing Rate (L/kg-day)
FAH = Frequency of time at home (unitless)
EF = Exposure Frequency (days/year)
ED = Exposure Duration (years)
AT = Averaging Time (days)
MAF = Model Adjustment Factor (unitless)
ASF = Age Sensitivity Factor (unitless)
CF = Conversion Factor, 0.001 (m^3/L)

ix. Calculation of Cancer Risk: excess lifetime cancer risks is estimated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to carcinogens, is expressed as a unitless probability, and is calculated as the number of cancer incidences per million individuals. The cancer risk for each chemical is calculated by multiplying the chemical intake or dose at the human exchange boundaries (e.g., lungs) by the chemical-specific cancer potency factor (CPF). Excess lifetime cancer risk occurs exclusively through the inhalation pathway and is calculated according to **Equation 2**.

Equation 2: $$Risk_{inh} = C_i * IF_{inh} * CPF_i * CF_1 * CF_2$$

Where:

$Risk_{inh}$ = Cancer risk; the incremental probability of an individual developing cancer as a result of inhalation exposure to a particular carcinogen (per million)
C_i = Average annual air concentration of chemical, from AERMOD (μ/m^3)
IF_{inh} = Intake Factor for Inhalation (m^3/kg-day)
CPF_i = Cancer potency factor for chemical (mg chemical/kg body weight-day)$^{-1}$
CF_1 = Conversion factor, micrograms to milligrams (mg/µg)
CF_2 = Risk per million individuals
i = Chemical

3. Background risk

    a. ESA relied on the CRRP-HRA for background data for the year 2014, including lifetime excess cancer risk and annual average exhaust $PM_{2.5}$ concentrations. Because the CRRP-HRA does not include the impact of the latest OEHHA guidelines (2015) regarding the ASFs, ESA adjusted the CRRP-HRA cancer risk values by a factor 1.3744, as recommended by the BAAQMD.[17]

    b. Additional permitted sources:

        i. Because the CRRP-HRA was conducted in 2012, there have been newly permitted stationary sources within 1,000 meters of the project site. The BAAQMD provided updated TAC emissions and health risk data for the year 2014 for 10 stationary sources within 1,000 meters of the project site.[18]

        ii. The data for 2014 show that emissions and health risks have decreased for nine of the 10 sources as compared to the 2012 CRRP-HRA data used in the modeling. The tenth source (Plant ID 21910, a San Francisco Fire Department emergency generator) was not included in the 2012 CRRP-HRA. ESA added risk for this source to the background 2012 CRRP-HRA risk values for each receptor point using the BAAQMD's Diesel Internal Combustion Engine Multiplier Tool, as directed by BAAQMD staff.[19]

        iii. For receptors that are more than 280 meters away from the new source (280 meters is the distance limit of the multiplier tool), the cancer risk and annual average exhaust $PM_{2.5}$ concentrations at 280 meters from the source were added to the background values, representing a conservative estimate of health risk at these locations.

4. Risk Analysis

    a. Since the proposed project and nearby sensitive receptors are not located in the APEZ, except those sensitive receptors located within 500 feet of Highway 280, this analysis does not directly assess project impacts on each sensitive receptor against a specific cumulative threshold. This analysis instead evaluates the cumulative cancer risk and annual average exhaust $PM_{2.5}$ concentration at all modeled sensitive receptor locations in order to determine the project project's impact on the extent of the APEZ in the surrounding area, and identify the following:

        i. The maximum lifetime excess cancer risks and annual average $PM_{2.5}$ exhaust concentrations contribution from the proposed project for those off-site receptors not located in the APEZ during existing conditions, but which would be placed in the APEZ during existing plus proposed project conditions; and

        ii. The maximum lifetime excess cancer risks and annual average $PM_{2.5}$ exhaust concentrations contribution from the proposed project for those off-site receptors located in the APEZ during existing conditions, and which would continue to be located in the APEZ during existing plus proposed project conditions.

    b. For determining whether the proposed project would place off-site receptors not located in the APEZ during existing conditions into the APEZ with the proposed project's

[17] Virginia Lau, Advanced Project Advisor, Planning and Climate Protection, Bay Area Air Quality Management District. February 3, 2016. Email communication with Shari Libicki of Ramboll and David Vintze of BAAQMD.

[18] Areana Flores, Environmental Planner, Bay Area Air Quality Management District. December 28, 2018. Email communication with Brian Schuster of ESA.

[19] Ibid.

contribution to lifetime excess cancer risks and annual average $PM_{2.5}$ exhaust concentrations (i above), the following health-protective criteria were used (BAAQMD 2009, SF DPH 2014):[20,21]

i. Cumulative annual average $PM_{2.5}$ exhaust concentrations greater than 10 $\mu g/m^3$; and/or

ii. Excess cancer risk from the contribution of emissions from all modeled sources greater than 100 per one million population.

TABLE 7
OVERALL AERMOD MODELING PARAMETERS

Pathway/Characteristic	Parameter
Control Pathway	
Averaging Time	Period average
Urban Population	864,816[a]
Model Version	AERMOD v 9.6.5
Source Pathway	
Spacing	*See Table 8*
Release Height	*See Table 8*
Initial Vertical Dimension	*See Table 8*
Initial Lateral Dimension	*See Table 8*
Variable Emission Factor	9 a.m. to 5 p.m. construction, Monday–Friday
Receptor Pathway	
Receptor Height	1.8 m[b]
Grid	20 m x 20 m[b]
Receptor Pathway	
Surface Data	Mission Bay (Site ID# 5803) monitoring site[b]
Upper Air	Oakland
Station Elevation	2 m

SOURCES:
1. United States Census Bureau, QuickFacts: San Francisco city, California, 2016. Available at *https://www.census.gov/quickfacts/table/PST045216/0667000,00*, accessed March 2017.
2. Bay Area Air Quality Management District, San Francisco Department of Public Health, and San Francisco Planning Department, *The San Francisco Community Risk Reduction Plan: Technical Support Documentation*, December 2012. Available at *http://www.gsweventcenter.com/Appeal_Response_References/2012_1201_BAAQMD.pdf*. Accessed March 2017.

ABBREVIATIONS:
m = meters
CRRP = Community Risk Reduction Plan
AERMOD = American Meteorological Society/Environmental Protection Agency regulatory air dispersion model

NOTES:

[a] For July 1, 2015, City of San Francisco (US Census Bureau 2016).
[a] From the CRRP-HRA (BAAQMD, SF DPH & SF Planning, 2012).

20 Bay Area Air Quality Management District, *Revised Draft Options and Justification Report, California Environmental Quality Act Thresholds of Significance*. October 2009, p. 7. Available at: *http://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/revised-draft-ceqa-thresholds-justification-report-oct-2009.pdf?la=en*. Accessed April 2017

21 San Francisco Department of Public Health, Environmental Health, Planning, *Memorandum to File regarding 2014 Air Pollutant Exposure Zone Map*, April 9, 2014.

TABLE 8
AERMOD SOURCE MODELING PARAMETERS

Parameter	Off-Road Construction Equipment	On-Road Trucks	Mobile Sources	Loading Truck Idling	Emergency Generators
Construction Period					
Source Type[a]	Area/Volume	Line Area	Line Area	Area/Volume	Point
Source Dimension	Project Area	Variable	Variable	Variable	n/a
Number of Sources[b]	2	Variable	Variable	1	2–6
Release Height (m)[c]	5	2.55	2.0	2.5	3.66
Initial Vertical Dimension (m)[d]	1.4	2.37	2.3	2.37	n/a
Initial Lateral Dimension (m)[e]	n/a	Variable	Variable	Variable	n/a
Stack Diameter (m)[f]	n/a	n/a	n/a	n/a	1.83
Temperature (K)[f]	n/a	n/a	n/a	n/a	739.8
Velocity (m/s)[f]	n/a	n/a	n/a	n/a	45.3
Hours per Day	11 (7 a.m.–6 p.m.)	11 (7 a.m.–6 p.m.)	24	24	24
Days per Week	5 (M–F)	5 (M–F)	7	7	7

SOURCE:

1. United States Environmental Protection Agency. 2012. Haul Road Workgroup Final Report Submission to EPA-OAQPS. March. Available at: *https://www3.epa.gov/scram001/reports/Haul_Road_Workgroup-Final_Report_Package-.20120302.pdf*. Accessed March 2017.
2. United States Environmental Protection Agency. 2016a. *User's Guide for the AMS/EPA Regulatory Model – AERMOD*. December. Available at *https://www3.epa.gov/ttn/scram/models/aermod/aermod_userguide.pdf*. Accessed March 2017.
3. Bay Area Air Quality Management District, San Francisco Department of Public Health, and San Francisco Planning Department. 2012. *The San Francisco Community Risk Reduction Plan: Technical Support Documentation*. December. Available at *http://www.gsweventcenter.com/Appeal_Response_References/2012_1201_BAAQMD.pdf. Accessed March 2017*.

ABBREVIATIONS:

K = Kelvin
m/s = meters per second
n/a = not applicable

NOTES:

[a] Construction was modeled as an area source covering the project site, consistent with the CRRP-HRA (BAAQMD, SF DPH & SF Planning, 2012).

[b] Construction was modeled as two separate sources: one source for Phase 1, and one source for Phase 2. The number of on-road mobile sources is based on the geometry of the truck or traffic routes. There would be two emergency generators for the Developer's Proposed Option and six for the Additional Housing Option.

[c] Release height for off-road construction equipment and on-road operational mobile sources are from the CRRP-HRA (BAAQMD, SF DPH & SF Planning, 2012). For on-road construction trucks and operational loading truck idling, the release height is equal to 0.5 * top of plume height, which is equal to 1.7 * the vehicle height, which is equal to 3 meters; equation = 0.5 * 1.7 * 3 = 2.55 (U.S. EPA 2012). Generator release height from the CRRP-HRA, Table 13 (BAAQMD, SF DPH & SF Planning, 2012).

[d] Initial vertical dimension for off-road construction equipment and on-road operational mobile sources are from the CRRP-HRA (BAAQMD, SF DPH & SF Planning, 2012). Initial vertical dimension for on-road construction trucks and operational loading truck idling is equal to the top of the plume height ÷ 2.15 = 1.7 * 3 / 2.15 = 2.37.

[e] The initial lateral dimension is the length of the side divided by 2.15, per the AERMOD User's Guide (U.S. EPA 2016a).

[f] From the CRRP-HRA (Table 13) (BAAQMD, SF DPH & SF Planning, 2012). Not applicable to sources other than the generator.

TABLE 9
OFF-SITE SENSITIVE RECEPTOR LOCATIONS

Sensitive Receptor	Address	Distance from Project Boundary (feet)	Direction	In APEZ?
Daycares				
Shining Stars Family Child Center	1242 Plymouth Avenue	30	West	No
Harmony Family Childcare	1100 Ocean Ave #520	50	South	No
Blooming Child Care	265 Harold Avenue	50	South	No
Cel Coalition Center	1205 Plymouth Avenue	160	Southwest	No
Three Bears Childcare	19 Southwood Drive	220	West	No
Mighty Bambinis Childcare & Preschool	Staples & Phelan Streets	750	northeast	No
Fun with Mandarin Preschool and Daycare	325 Holloway Avenue	1,000	Southwest	No
Cupids Christian Day Care Center	178 Brighton Avenue	1,000	South	No
Happy Family Child Care & Preschool	520 A Holloway Avenue	1,200	Southwest	No
Little Sunshine Childcare	308 Jules Ave	1,400	West	No
Marg's Child Care Inc./Specialized for Infants and Toddlers	50 Grafton Avenue	1,400	South	No
City College of San Francisco Ocean Campus Child Development Lab School	W Road, Bungalows 212/213	1,600	East	Yes
Magic Day Care	963 Plymouth Ave	1,800	South	No
Raisa's Day Care & Pre-School	61 Pinehurst Way	2,700	West	No
Little Angels Day Care	2135 Ocean Avenue	2,700	West	No
M & M Childcare	210 Thrift Street	2,700	South	No
Schools				
Archbishop Riordan High School	175 Phelan Ave	30	North	No
Little Lemon Tree Nursery School	1 Gennessee Street & Judson Avenue	900	Northeast	No
Seventh Day Adventist Elementary School	66 Geneva Avenue	1,100	Southeast	Yes
Lick Wilmerding High School	755 Ocean Avenue	1,300	Southeast	Yes
Stratford School - San Francisco	301 De Montfort Avenue	1,600	Southwest	No
Sunnyside Elementary School	250 Foerster Street	1,800	Northeast	No
St. Finn Barr Catholic School	419 Hearst Avenue	2,100	Northeast	No
Leadership High School	350 Seneca Avenue	2,500	Southeast	No
James Denman Middle School	241 Oneida Avenue	3,000	Southeast	No
Archbishop Riordan High School	175 Phelan Ave	30	North	No

SOURCE: Google Earth, SF APEZ Data

ABBREVIATIONS:
APEZ = Air Pollutant Exposure Zone

TABLE 10
EXPOSURE PARAMETERS

Receptor Type	Age Group (construction or operations)	Daily Breathing Rate (L/kg day or L/kg 8hrs)[a]	Exposure Duration (years)[b]	Fraction of Time at Home (unitless)[c]	Exposure Frequency (days/year)[d]	Averaging Time (days)[e]	Model Adjustment Factor (unitless)[f]	Age Sensitivity Factor (unitless)[g]
Scenario 1: Construction – Off-Site Receptors								
Off-Site Resident	Third Trimester	361	0.25	1	350	25,550	1	10
	Age 0–2 Years	1,090	2	1	350	25,550	1	10
	Age 2–9 Years	631	3.65	1	350	25,550	1	3
Off-Site Daycare	Age 0–2 Years[h]	1,200	2	n/a	250	25,550	2.2	10
	Age 2–9 Years	640	3.9	n/a	250	25,550	2.2	3
Off-Site School	Age 2–9 Years[h]	640	5.9	n/a	180	25,550	3.1	3
Scenario 2: Construction – On-Site Receptors								
On-Site Resident	Third Trimester	361	0.25	1	350	25,550	1	10
	Age 0–2 Years	1,090	2	1	350	25,550	1	10
	Age 2–9 Years	631	0.16	1	350	25,550	1	3
On-Site Daycare	Age 0–2 Years[h]	1,200	2	n/a	250	25,550	2.2	10
	Age 2–9 Years	640	0.41	n/a	250	25,550	2.2	3
Scenario 3: Construction Plus Operations – Off-Site Receptors								
Off-Site Resident	Third Trimester (construction)	361	0.25	1	350	25,550	1	10
	Age 0–2 Years (construction)	1,090	2	1	350	25,550	1	10
	Age 2–16 Years (construction)	572	3.65	1	350	25,550	1	3
	Age 2–16 Years (operation)[i]	572	12.75	1	350	25,550	1	3
	Age 16–30 Years	261	14	0.73	350	25,550	1	1
Off-Site Daycare	Age 0–2 Years (construction)[h]	1,200	2	n/a	250	25,550	2.2	10
	Age 2–16 Years (construction)	520	3.9	n/a	250	25,550	2.2	3
	Age 2–16 Years (operation)[i]	520	5.5	n/a	250	25,550	1	3

Receptor Type	Age Group (construction or operations)	Daily Breathing Rate (L/kg day or L/kg 8hrs)[a]	Exposure Duration (years)[b]	Fraction of Time at Home (unitless)[c]	Exposure Frequency (days/year)[d]	Averaging Time (days)[e]	Model Adjustment Factor (unitless)[f]	Age Sensitivity Factor (unitless)[g]
Off-Site School	Age 2–16 Years (construction)[h]	520	5.9	n/a	180	25,550	3.1	3
	Age 2–16 Years (operation)[i]	520	10.5	n/a	180	25,550	1	3
Scenario 4: Construction Plus Operations – On-Site Receptors								
On-Site Resident	Third Trimester (construction)	361	0.25	1	350	25,550	1	10
	Third Trimester (operations)[i]	361	0.25	1	350	25,550	1	10
	Age 0–2 Years (construction)	1,090	2	1	350	25,550	1	10
	Age 0–2 Years (operations)[i]	1,090	2	1	350	25,550	1	10
	Age 2–16 Years (operation)[i]	572	14	1	350	25,550	1	3
	Age 16–30 Years[i]	261	14	0.73	350	25,550	1	1
On-Site Daycare	Age 0–2 Years (construction) [h]	1,200	2	n/a	250	25,550	2.2	10
	Age 0–2 Years (operations)[h, i]	1,200	2	n/a	250	25,550	1	10
	Age 2–9 Years (construction)[i]	640	0.41	n/a	250	25,550	2.2	3
	Age 2–16 Years (operation)[i]	520	7	n/a	250	25,550	1	3
Scenario 5: Operations – All Receptors								
Resident	Third Trimester	361	0.25	1	350	25,550	1	10
	Age 0–2 Years	1,090	2	1	350	25,550	1	10
	Age 2–16 Years	572	14	1	350	25,550	1	3
	Age 16–30 Years	261	14	0.73	350	25,550	1	3
Daycare	Age 0–2 Years[h]	1,200	2	n/a	250	25,550	1	10
	Age 2–16 Years	520	7	n/a	250	25,550	1	3
School	Age 2–16 Years[h]	520	14	n/a	180	25,550	1	3

Receptor Type	Age Group (construction or operations)	Daily Breathing Rate (L/kg day or L/kg 8hrs)[a]	Exposure Duration (years)[b]	Fraction of Time at Home (unitless)[c]	Exposure Frequency (days/year)[d]	Averaging Time (days)[e]	Model Adjustment Factor (unitless)[f]	Age Sensitivity Factor (unitless)[g]

SOURCES:

1. Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Guidance Manual for the Preparation of Health Risk Assessments*, February 2015. Available at: *http://oehha.ca.gov/air/hot_spots/hotspots2015.html*. Accessed March 2017.
2. Bay Area Air Quality Management District, San Francisco Department of Public Health, and San Francisco Planning Department. 2012. *The San Francisco Community Risk Reduction Plan: Technical Support Documentation*. December. Available at *http://www.gsweventcenter.com/Appeal_Response_References/2012_1201_BAAQMD.pdf*. Accessed March 2017.
3. Bay Area Air Quality Management District. 2016. *Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines*, January. Available at *http://www.baaqmd.gov/~/media/files/planning-and-research/rules-and-regs/workshops/2016/reg-2-5/hra-guidelines_clean_jan_2016-pdf.pdf?la=en*. Accessed March 2017.

ABBREVIATIONS:

kg = kilogram
L = liter
m^3 = cubic meters

NOTES:

[a] Daily breathing rates are from OEEHA (2015) based on BAAQMD guidance (2016) as follows: for residents, 95th percentile 24-hour breathing rates (OEHHA Table 5.6) for third trimester and age 0–2 years and 80th percentile 24-hour breathing rates (OEHHA Table 5.7) for age 2–9 years, age 2–16 years, and age 16–30 years; for daycare, 95th percentile 8-hour moderate intensity breathing rates (OEHHA Table 5.8) for age 0–2 years, age 2–9 years, and age 2–16 years; for school, 95th percentile 8-hour moderate-intensity breathing rates (OEHHA Table 5.8) for age 2–16 years.

[b] The exposure duration for Scenario 1 off-site receptors represent 6 years of exposure to construction emissions (the entire construction period for the proposed project). The exposure duration for Scenario 2 on-site receptors represent 2.4 years of exposure to construction emissions (Phase 2 construction). The exposure duration for Scenario 3 off-site receptors represent 6 years of exposure to construction emissions and 24 years of exposure to full-buildout operational emissions. The exposure duration for Scenario 4 on-site receptors represent 2.4 years of exposure to construction emissions (for Phase 2 construction) and 28 years of exposure to full-buildout operational emissions. The EDs are separated into construction and operational exposures to more clearly identify the values used for each receptor group and exposure period. The exposure duration for Scenario 5 receptors represent 30 years of exposure to full-buildout operational emissions.

[c] Fraction of time at home are set to 1.0 for all age groups less than 16 years, since there are potentially schools within cancer risk isopleths of one in a million or greater, per BAAQMD guidance (2016). For age groups greater than 16 years, values from OEHHA (2015) Table 8.4 were used.

[d] Exposure frequency represents default residential exposure frequency from BAAQMD guidance (2016).

[e] Averaging time represents 70 years for lifetime cancer risk, per OEHHA (2015).

[f] The Model Adjustment Factor is applied to adjust the annual average concentration (24 hours per day, 7 days per week) from AERMOD associated with construction emissions (Scenario 1 and part of Scenario 2); which assumes emissions occur 5 days per week, 11 hours per day; to the actual construction emission schedule and receptor exposure for daycare and school receptors, which is based on 8 hours per day and 5 days per week of both construction emissions and receptor exposure (equation = [24 hours / 11 hours] * [7 days / 5 days] = 3.1). A discount factor was also applied to daycare receptors because it was assumed daycare receptors would be present 7 days per week while construction would occur 5 days per week (equation = [8 hours / 8 hours] * [5 days / 7 days] = 0.7). The discounted MAF for daycare receptors is therefore 2.2 (equation = 3.1 * 0.7 = 2.2). The MAF is based on the Worker Adjustment Factor (WAF) described by OEHHA (2015) in Section 5.4.1.2 and Table 5.10. The MAF is not used for operational emissions (part of Scenarios 3 and 4 and all of scenario 5) because the annual average concentration from AERMOD from operational emissions assumes constant emissions 24 hours per day and 7 days per week.

[g] Age sensitivity factors from OEHHA (2015) Table 8.3

[h] The earliest age at the daycare is assumed to be 6 weeks, and the earliest age at the school is assumed to be 2 years, based on BAAQMD guidance (2016).

[i] Operational exposure includes Phase 1 operations while Phase 2 is under construction, plus full-buildout operations of phase 1 and phase 2.

TABLE 11
CARCINOGENIC TOXICITY VALUES FOR DIESEL PARTICULATE MATTER AND TOXIC AIR CONTAMINANTS FROM TOTAL ORGANIC COMPOUND EMISSIONS FROM GASOLINE VEHICLES

Chemical/TAC	EMFAC Gasoline TOG Speciation (% TOG)	Inhalation Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$	Weighted Inhalation Cancer Potency Factor
Diesel Exhaust (Diesel Vehicles)			
Diesel Particulate Matter	n/a	1.1	n/a
TOG Exhaust (Gasoline Vehicles)			
Acetaldehyde	0.28%	1.0E-02	2.80E-05
Benzene	2.47%	1.0E-01	2.47E-03
1,3-Butadiene	0.55%	6.0E-01	3.30E-03
Ethylbenzene	1.05%	8.7E-03	9.14E-05
Formaldehyde	1.58%	2.1E-02	3.32E-04
Naphthalene	0.05%	1.2E-01	6.00E-05
Weighted Total Toxicity Factor	—	—	6.28e-03
TOG Evaporative (Gasoline Vehicles)			
Benzene	0.36%	0.1	3.60E-04
Ethylbenzene	0.12%	8.70E-03	1.04E-05
Weighted Total Toxicity Factor	—	—	3.70E-04

SOURCES:
1. Bay Area Air Quality Management District, *Recommended Methods for Screening and Modeling Local Risks and Hazards*, May 2012, Table 14, Toxic Speciation of TOG due to Tailpipe Emissions. Available at: *http://www.baaqmd.gov/~/media/Files/Planning%20and%20Research/CEQA/Risk%20Modeling%20Approach%20May%202012.ashx?la=en*. Accessed July 2018.
2. California Air Resources Board. 2018. *Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values*. Last Updated: August 20, 2018. Available at: *http://www.arb.ca.gov/toxics/healthval/contable.pdf*. Accessed January 2019.

ABBREVIATIONS:
TAC = toxic air contaminant
TOG = total organic compounds
mg = milligram
kg = kilogram
EMFAC = California Air Resources Board **EM**ission **FAC**tor **M**odel.

CHAPTER 2
Results

The following tables present the results of the construction and operations analysis for the Developer's Proposed Option and Additional Housing Option.

Construction Emissions

The following tables present average daily uncontrolled and controlled construction emissions by source (e.g., off-road equipment). Threshold exceedances are shown in bold text (the BAAQMD thresholds are 54 pounds per day of ROG, NO_X, and $PM_{2.5}$ exhaust and 82 pounds per day of PM_{10} exhaust). The tables presented below include:

- **Table 12:** detailed average daily uncontrolled and controlled construction emissions for the Developer's Proposed Option by year and source.
- **Table 13:** summary average daily uncontrolled and controlled construction emissions for the Developer's Proposed Option by year.
- **Table 14:** detailed average daily uncontrolled and controlled construction emissions for the Additional Housing Option by year and by source.
- **Table 15:** summary average daily uncontrolled and controlled construction emissions for the Additional Housing Option by year.
- **Table 16:** summary average daily uncontrolled and controlled construction emissions for the Developer's Proposed Option and the Additional Housing Option by year for the compressed construction schedule.

TABLE 12
AVERAGE DAILY UNCONTROLLED CONSTRUCTION EMISSIONS BY SOURCE FOR THE DEVELOPER'S PROPOSED OPTION

	Average Daily Emissions (pounds/day)[b]							
	Uncontrolled				Controlled[c]			
Year/Source[a]	ROG	NO_X	PM_{10} Exhaust	$PM_{2.5}$ Exhaust	ROG	NO_X	PM_{10} Exhaust	$PM_{2.5}$ Exhaust
2021								
Off-Road Equipment	3.19	32.32	1.19	1.17	1.93	8.35	0.26	0.26
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling – Travel	0.00	0.05	0.00	0.00	0.00	0.05	0.00	0.00
Hauling – Idling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.21	0.13	0.00	0.00	0.21	0.13	0.00	0.00
2021 Subtotal	*3.40*	*32.50*	*1.20*	*1.17*	*2.13*	*8.53*	*0.26*	*0.26*
2022								
Off-Road Equipment	3.08	33.92	1.47	1.45	0.98	6.26	0.12	0.12
Paving	0.04	0.00	0.00	0.00	0.04	0.00	0.00	0.00
Architectural Coating	2.26	0.00	0.00	0.00	0.20	0.00	0.00	0.00
Hauling – Travel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling – Idling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor Trucks	0.42	15.82	0.03	0.03	0.42	15.82	0.03	0.03
Worker Trips	1.72	1.05	0.04	0.03	1.72	1.05	0.04	0.03
2022 Subtotal	*7.52*	*50.79*	*1.54*	*1.51*	*3.36*	*23.12*	*0.19*	*0.19*
2023								
Off-Road Equipment	0.69	7.55	0.32	0.31	0.21	1.30	0.03	0.03
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	9.68	0.00	0.00	0.00	0.86	0.00	0.00	0.00
Hauling – Travel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling – Idling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor Trucks	0.43	16.62	0.02	0.02	0.43	16.62	0.02	0.02
Worker Trips	2.05	1.20	0.05	0.04	2.05	1.20	0.05	0.04
2023 Subtotal	*12.84*	*25.37*	*0.39*	*0.38*	*3.54*	*19.12*	*0.10*	*0.09*

Year/Source[a]	Average Daily Emissions (pounds/day)[b]							
	Uncontrolled				Controlled[c]			
	ROG	NO_X	PM_{10} Exhaust	$PM_{2.5}$ Exhaust	ROG	NO_X	PM_{10} Exhaust	$PM_{2.5}$ Exhaust
2024								
Off-Road Equipment	2.07	20.63	0.86	0.85	0.58	3.81	0.07	0.07
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	30.15	0.00	0.00	0.00	2.68	0.00	0.00	0.00
Hauling – Travel	0.21	8.27	0.02	0.02	0.21	8.27	0.02	0.02
Hauling – Idling	0.02	0.31	0.00	0.00	0.02	0.31	0.00	0.00
Vendor Trucks	0.42	16.58	0.02	0.02	0.42	16.58	0.02	0.02
Worker Trips	2.28	1.28	0.05	0.05	2.28	1.28	0.05	0.05
2024 Subtotal	*35.15*	*47.08*	*0.95*	*0.94*	*6.20*	*30.25*	*0.17*	*0.16*
2025								
Off-Road Equipment	1.02	10.61	0.42	0.42	0.32	2.26	0.04	0.04
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	2.17	0.00	0.00	0.00	0.19	0.00	0.00	0.00
Hauling – Travel	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00
Hauling – Idling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor Trucks	0.36	14.47	0.02	0.02	0.36	14.47	0.02	0.02
Worker Trips	1.46	0.79	0.04	0.03	1.46	0.79	0.04	0.03
2025 Subtotal	*5.01*	*25.87*	*0.47*	*0.47*	*2.32*	*17.53*	*0.10*	*0.09*
2026								
Off-Road Equipment	0.61	4.08	0.18	0.18	0.11	0.46	0.01	0.01
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	23.63	0.00	0.00	0.00	2.09	0.00	0.00	0.00
Hauling – Travel	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00
Hauling – Idling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor Trucks	0.26	10.37	0.01	0.01	0.26	10.37	0.01	0.01
Worker Trips	1.73	0.89	0.04	0.04	1.73	0.89	0.04	0.04
2026 Subtotal	*26.22*	*15.35*	*0.24*	*0.24*	*4.18*	*11.73*	*0.07*	*0.07*
2027								
Off-Road Equipment	0.68	4.58	0.21	0.21	0.12	0.52	0.02	0.02
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	31.03	0.00	0.00	0.00	2.76	0.00	0.00	0.00
Hauling – Travel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling – Idling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor Trucks	0.20	8.32	0.01	0.01	0.20	8.32	0.01	0.01
Worker Trips	1.66	0.82	0.04	0.04	1.66	0.82	0.04	0.04
2027 Subtotal	*33.57*	*13.73*	*0.26*	*0.25*	*4.74*	*9.66*	*0.07*	*0.06*

Year/Source[a]	Average Daily Emissions (pounds/day)[b]							
	Uncontrolled				Controlled[c]			
	ROG	NO_X	PM_{10} Exhaust	$PM_{2.5}$ Exhaust	ROG	NO_X	PM_{10} Exhaust	$PM_{2.5}$ Exhaust

SOURCE: ESA, 2019.

ABBREVIATIONS:
ROG = reactive organic gases
NO_X = oxides of nitrogen
PM_{10} = particulate matter less than or equal to 10 microns in diameter
$PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter
CalEEMod = CALifornia Emissions Estimator MODel
VOC = volatile organic compounds

NOTES:

[a] Categories defined as follows:
Off-Road Equipment = operating emissions from heavy-duty equipment, such as bulldozers, cranes, and excavators. Refer to Tables 2 and 3 for equipment activity assumptions. Emissions were modeled using CalEEMod.
Paving = Fugitive ROG emissions from asphalt paving. Emissions were modeled using CalEEMod.
Architectural Coatings = Fugitive ROG emissions from the application of architectural coatings. Emissions were modeled using CalEEMod.
Hauling – travel = Travel emissions from heavy-duty on-road haul trucks. Emissions were modeled using CalEEMod.
Hauling – idling = Idling emissions from heavy-duty on-road haul trucks. Emissions were modeled using CalEEMod.
Vendor Trucks = Operating emissions from heavy-duty on-road vendor trucks. The analysis assumed that each haul truck would idle 15 minutes while unloading soil or material on the project site. Emissions were modeled using EMFAC2017.
Worker Trips = Operating emission from employee vehicles. Emissions were modeled using CalEEMod.

[b] **Bold values** = threshold exceedance

[c] Controls include: (1) all off-road construction equipment was modeled with Tier 4 Final engine emission standards; and (2) all architectural coatings were modeled with a VOC content of 10 grams per liter to represent "super-compliant" low-VOC coatings.

TABLE 13
AVERAGE DAILY UNCONTROLLED CONSTRUCTION EMISSIONS BY YEAR FOR THE DEVELOPER'S PROPOSED OPTION

Year	Average Daily Emissions (pounds/day)[a]							
	Uncontrolled				Controlled[b]			
	ROG	NO_X	PM_{10} Exhaust	$PM_{2.5}$ Exhaust	ROG	NO_X	PM_{10} Exhaust	$PM_{2.5}$ Exhaust
2021	3.40	32.50	1.20	1.17	2.13	8.53	0.26	0.26
2022	7.52	50.79	1.54	1.51	3.36	23.12	0.19	0.19
2023	12.84	25.37	0.39	0.38	3.54	19.12	0.10	0.09
2024	35.15	47.08	0.95	0.94	6.20	30.25	0.17	0.16
2025	5.01	25.87	0.47	0.47	2.32	17.53	0.10	0.09
2026	26.22	15.35	0.24	0.24	4.18	11.73	0.07	0.07
2027	33.57	13.73	0.26	0.25	4.74	9.66	0.07	0.06

SOURCE: ESA, 2019.

ABBREVIATIONS:
ROG = reactive organic gases
NO_X = oxides of nitrogen
PM_{10} = particulate matter less than or equal to 10 microns in diameter
$PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter
VOC = volatile organic compounds

NOTES:

[a] **Bold values** = threshold exceedance

[b] Controls include: (1) all off-road construction equipment was modeled with Tier 4 Final engine emission standards; and (2) all architectural coatings were modeled with a VOC content of 10 grams per liter to represent "super-compliant" low-VOC coatings.

TABLE 14
AVERAGE DAILY UNCONTROLLED CONSTRUCTION EMISSIONS BY SOURCE FOR THE ADDITIONAL HOUSING PROPOSED OPTION

	Average Daily Emissions (pounds/day)[b]							
	Uncontrolled				Controlled[c]			
Year/Source[a]	ROG	NO_X	PM_{10} Exhaust	$PM_{2.5}$ Exhaust	ROG	NO_X	PM_{10} Exhaust	$PM_{2.5}$ Exhaust
2021								
Off-Road Equipment	3.19	32.32	1.19	1.17	1.93	8.35	0.26	0.26
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling – Travel	0.00	0.05	0.00	0.00	0.00	0.05	0.00	0.00
Hauling – Idling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.21	0.13	0.00	0.00	0.21	0.13	0.00	0.00
2021 Subtotal	*3.40*	*32.50*	*1.20*	*1.17*	*2.13*	*8.53*	*0.26*	*0.26*
2022								
Off-Road Equipment	4.05	44.36	1.95	1.92	1.26	8.27	0.16	0.16
Paving	0.04	0.00	0.00	0.00	0.04	0.00	0.00	0.00
Architectural Coating	1.41	0.00	0.00	0.00	0.13	0.00	0.00	0.00
Hauling – Travel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling – Idling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor Trucks	0.57	21.48	0.05	0.04	0.57	21.48	0.05	0.04
Worker Trips	2.28	1.39	0.05	0.05	2.28	1.39	0.05	0.05
2022 Subtotal	*8.34*	***67.23***	*2.04*	*2.01*	*4.26*	*31.14*	*0.25*	*0.25*
2023								
Off-Road Equipment	0.58	5.68	0.25	0.25	0.15	0.90	0.02	0.02
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	12.51	0.00	0.00	0.00	1.11	0.00	0.00	0.00
Hauling – Travel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling – Idling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor Trucks	0.61	23.75	0.03	0.03	0.61	23.75	0.03	0.03
Worker Trips	2.85	1.67	0.07	0.06	2.85	1.67	0.07	0.06
2023 Subtotal	*16.54*	*31.09*	*0.35*	*0.34*	*4.72*	*26.32*	*0.12*	*0.11*

	Average Daily Emissions (pounds/day)[b]							
	Uncontrolled				Controlled[c]			
Year/Source[a]	ROG	NO_X	PM_{10} Exhaust	$PM_{2.5}$ Exhaust	ROG	NO_X	PM_{10} Exhaust	$PM_{2.5}$ Exhaust
2024								
Off-Road Equipment	2.33	22.46	0.95	0.94	0.63	4.12	0.08	0.08
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	35.28	0.00	0.00	0.00	3.14	0.00	0.00	0.00
Hauling – Travel	0.03	1.31	0.00	0.00	0.03	1.31	0.00	0.00
Hauling – Idling	0.02	0.31	0.00	0.00	0.02	0.31	0.00	0.00
Vendor Trucks	0.40	15.79	0.02	0.02	0.40	15.79	0.02	0.02
Worker Trips	2.78	1.56	0.07	0.06	2.78	1.56	0.07	0.06
2024 Subtotal	*40.85*	*41.43*	*1.04*	*1.03*	*7.00*	*23.09*	*0.17*	*0.16*
2025								
Off-Road Equipment	1.13	11.77	0.46	0.46	0.35	2.52	0.04	0.04
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	3.73	0.00	0.00	0.00	0.33	0.00	0.00	0.00
Hauling – Travel	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00
Hauling – Idling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor Trucks	0.44	17.81	0.02	0.02	0.44	17.81	0.02	0.02
Worker Trips	2.11	1.14	0.05	0.05	2.11	1.14	0.05	0.05
2025 Subtotal	*7.41*	*30.73*	*0.54*	*0.53*	*3.24*	*21.48*	*0.12*	*0.11*
2026								
Off-Road Equipment	0.71	4.78	0.21	0.21	0.12	0.54	0.02	0.02
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	30.63	0.00	0.00	0.00	2.72	0.00	0.00	0.00
Hauling – Travel	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00
Hauling – Idling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor Trucks	0.34	13.91	0.02	0.02	0.34	13.91	0.02	0.02
Worker Trips	2.58	1.33	0.06	0.06	2.58	1.33	0.06	0.06
2026 Subtotal	*34.27*	*20.03*	*0.30*	*0.29*	*5.77*	*15.79*	*0.10*	*0.09*
2027								
Off-Road Equipment	0.85	5.68	0.26	0.26	0.15	0.64	0.02	0.02
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	38.43	0.00	0.00	0.00	3.42	0.00	0.00	0.00
Hauling – Travel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling – Idling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor Trucks	0.29	11.91	0.02	0.02	0.29	11.91	0.02	0.02
Worker Trips	2.53	1.26	0.06	0.06	2.53	1.26	0.06	0.06
2027 Subtotal	*42.10*	*18.86*	*0.33*	*0.33*	*6.39*	*13.82*	*0.10*	*0.09*

Year/Source[a]	Average Daily Emissions (pounds/day)[b]							
	Uncontrolled				Controlled[c]			
	ROG	NO_X	PM_{10} Exhaust	$PM_{2.5}$ Exhaust	ROG	NO_X	PM_{10} Exhaust	$PM_{2.5}$ Exhaust

SOURCE: ESA, 2019.

ABBREVIATIONS:
ROG = reactive organic gases
NO_X = oxides of nitrogen
PM_{10} = particulate matter less than or equal to 10 microns in diameter
$PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter
CalEEMod = CALifornia Emissions Estimator MODel
VOC = volatile organic compounds

NOTES:

[a] Categories defined as follows:
Off-Road Equipment = operating emissions from heavy-duty equipment, such as bulldozers, cranes, and excavators. Refer to Tables 2 and 3 for equipment activity assumptions. Emissions were modeled using CalEEMod.
Paving = Fugitive ROG emissions from asphalt paving. Emissions were modeled using CalEEMod.
Architectural Coatings = Fugitive ROG emissions from the application of architectural coatings. Emissions were modeled using CalEEMod.
Hauling – travel = Travel emissions from heavy-duty on-road haul trucks. Emissions were modeled using CalEEMod.
Hauling – idling = Idling emissions from heavy-duty on-road haul trucks. Emissions were modeled using CalEEMod.
Vendor Trucks = Operating emissions from heavy-duty on-road vendor trucks. The analysis assumed that each haul truck would idle 15 minutes while unloading soil or material on the project site. Emissions were modeled using EMFAC2017.
Worker Trips = Operating emission from employee vehicles. Emissions were modeled using CalEEMod.

[b] **Bold values** = threshold exceedance

[c] Controls include: (1) all off-road construction equipment was modeled with Tier 4 Final engine emission standards; and (2) all architectural coatings were modeled with a VOC content of 10 grams per liter to represent "super-compliant" low-VOC coatings.

TABLE 15
AVERAGE DAILY UNCONTROLLED CONSTRUCTION EMISSIONS BY YEAR FOR THE ADDITIONAL HOUSING OPTION

Year	Average Daily Emissions (pounds/day)[a]							
	Uncontrolled				Controlled[b]			
	ROG	NO_X	PM_{10} Exhaust	$PM_{2.5}$ Exhaust	ROG	NO_X	PM_{10} Exhaust	$PM_{2.5}$ Exhaust
2021	3.40	32.50	1.20	1.17	2.13	8.53	0.26	0.26
2022	8.34	**67.23**	2.04	2.01	4.26	31.14	0.25	0.25
2023	16.54	31.09	0.35	0.34	4.72	26.32	0.12	0.11
2024	40.85	41.43	1.04	1.03	7.00	23.09	0.17	0.16
2025	7.41	30.73	0.54	0.53	3.24	21.48	0.12	0.11
2026	34.27	20.03	0.30	0.29	5.77	15.79	0.10	0.09
2027	42.10	18.86	0.33	0.33	6.39	13.82	0.10	0.09

SOURCE: ESA, 2019.

ABBREVIATIONS:
ROG = reactive organic gases
NO_X = oxides of nitrogen
PM_{10} = particulate matter less than or equal to 10 microns in diameter
$PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter
VOC = volatile organic compounds

NOTES:

[a] **Bold values** = threshold exceedance

[b] Controls include: (1) all off-road construction equipment was modeled with Tier 4 Final engine emission standards; and (2) all architectural coatings were modeled with a VOC content of 10 grams per liter to represent "super-compliant" low-VOC coatings.

TABLE 16
AVERAGE DAILY UNCONTROLLED AND CONTROLLED CONSTRUCTION EMISSIONS BY YEAR FOR THE DEVELOPER'S PROPOSED OPTION AND THE ADDITIONAL HOUSING OPTION FOR THE COMPRESSED CONSTRUCTION SCHEDULE

	Average Daily Emissions (pounds/day)[a]							
	Uncontrolled				Controlled[b]			
Year	ROG	NO_X	PM_{10} Exhaust	$PM_{2.5}$ Exhaust	ROG	NO_X	PM_{10} Exhaust	$PM_{2.5}$ Exhaust
Developer's Proposed Option								
2021	3.7	35.5	1.3	1.3	2.4	9.3	0.3	0.3
2022	20.6	**120.4**	2.9	2.8	8.7	**69.6**	0.4	0.4
2023	**76.1**	**56.8**	0.9	0.9	12.8	41.6	0.2	0.2
Additional Housing Option								
2021	3.7	35.5	1.3	1.3	2.4	9.3	0.3	0.3
2022	25.9	**139.8**	3.5	3.4	11.2	**78.5**	0.5	0.5
2023	**94.6**	**65.1**	1.0	1.0	16.4	49.7	0.3	0.3

SOURCE: ESA, 2019.

ABBREVIATIONS:
ROG = reactive organic gases
NO_X = oxides of nitrogen
PM_{10} = particulate matter less than or equal to 10 microns in diameter
$PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter
VOC = volatile organic compounds

NOTES:

a **Bold values** = threshold exceedance

b Controls include: (1) all off-road construction equipment was modeled with Tier 4 Final engine emission standards; and (2) all architectural coatings were modeled with a VOC content of 10 grams per liter to represent "super-compliant" low-VOC coatings.

Operational Emissions

The following tables present average daily and total annual uncontrolled operational emissions by source (e.g., area). Threshold exceedances are shown in bold text (the BAAQMD thresholds are 54 pounds per day and 10 tons per year of ROG, NO_X, and $PM_{2.5}$ and 82 pounds per day and 15 tons per year of PM_{10}). The tables presented below include:

- **Table 17:** average daily uncontrolled operational emissions for the Developer's Proposed Option and the Additional Housing Option by phase/year and source.
- **Table 18:** total annual uncontrolled operational emissions for the Developer's Proposed Option and the Additional Housing Option by phase/year and source.

TABLE 17
AVERAGE DAILY UNCONTROLLED OPERATIONAL EMISSIONS BY SOURCE FOR THE DEVELOPER'S PROPOSED OPTION AND THE ADDITIONAL HOUSING OPTION

	Average Daily Emissions (pounds/day)[b]															
	Developer's Proposed Option								Additional Housing Option							
Phase/Year/Source[a]	ROG	NO_X	PM_{10} Exhaust	PM_{10} Dust[c]	PM_{10} Total	$PM_{2.5}$ Exhaust	$PM_{2.5}$ Dust[c]	$PM_{2.5}$ Total	ROG	NO_X	PM_{10} Exhaust	PM_{10} Dust[c]	PM_{10} Total	$PM_{2.5}$ Exhaust	$PM_{2.5}$ Dust[c]	$PM_{2.5}$ Total
Phase 1 – 2024																
Area	15.72	0.36	0.15	0.00	*0.15*	0.15	0.00	*0.15*	18.51	0.46	0.20	0.00	*0.20*	0.20	0.00	*0.20*
Energy	0.16	1.36	0.11	0.00	*0.11*	0.11	0.00	*0.11*	0.21	1.79	0.14	0.00	*0.14*	0.14	0.00	*0.14*
Mobile	2.11	3.10	0.07	9.54	*9.62*	0.07	2.55	*2.61*	2.78	4.13	0.10	12.55	*12.65*	0.09	3.35	*3.44*
Emergency Generators	0.01	0.26	0.01	0.00	*0.01*	0.01	0.00	*0.01*	0.04	0.77	0.04	0.00	*0.04*	0.04	0.00	*0.04*
Delivery Vehicles	0.07	3.36	0.02	0.14	*0.16*	0.02	0.06	*0.07*	0.08	3.88	0.02	0.16	*0.18*	0.02	0.07	*0.08*
Total	*18.07*	*8.44*	*0.36*	*9.68*	*10.05*	*0.36*	*2.60*	*2.96*	*21.62*	*11.02*	*0.50*	*12.72*	*13.21*	*0.49*	*3.41*	*3.90*
Full Buildout – 2027																
Area	26.16	0.57	0.25	0.00	*0.25*	0.25	0.00	*0.25*	32.44	0.79	0.35	0.00	*0.35*	0.35	0.00	*0.35*
Energy	0.27	2.35	0.19	0.00	*0.19*	0.19	0.00	*0.19*	0.38	3.29	0.27	0.00	*0.27*	0.27	0.00	*0.27*
Mobile	3.10	4.63	0.12	16.26	*16.37*	0.11	4.34	*4.44*	4.35	6.58	0.16	22.76	*22.92*	0.15	6.07	*6.22*
Emergency Generators	0.03	0.51	0.03	0.00	*0.03*	0.03	0.00	*0.03*	0.08	1.54	0.08	0.00	*0.08*	0.08	0.00	*0.08*
Delivery Vehicles	0.08	4.62	0.02	0.23	*0.25*	0.02	0.09	*0.12*	0.12	6.11	0.03	0.26	*0.30*	0.03	0.11	*0.14*
Total	*29.64*	*12.68*	*0.61*	*16.49*	*17.09*	*0.60*	*4.43*	*5.03*	*37.37*	*18.29*	*0.89*	*23.02*	*23.91*	*0.88*	*6.18*	*7.05*

SOURCE: ESA, 2019.

ABBREVIATIONS:
ROG = reactive organic gases
NO_X = oxides of nitrogen
PM_{10} = particulate matter less than or equal to 10 microns in diameter
$PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter
CalEEMod = CALifornia Emissions Estimator MODel

NOTES:

[a] Categories defined as follows:
Area = Emissions from landscaping equipment, consumer products, and architectural coatings. Refer to Table 1 for the land use type and sizes assumed in the modeling. Emissions were modeled using CalEEMod.
Energy = Emissions from natural gas combustion for space heating and cooking. Refer to Table 1 for the land use type and sizes assumed in the modeling. Emissions were modeled using CalEEMod.
Mobile = Operating emissions from daily residential, daycare, and restaurant auto trips. Refer to Table 1 for the daily vehicle trips and trip lengths by land use type. Emission from auto trips were estimated using CalEEMod.
Emergency Generators = Operating emissions from diesel-powered emergency generators.
Delivery Vehicles = Operating emissions from daily office, retail, and restaurant delivery vehicles trips. Refer to Table 5 for the daily vehicle trips and trip lengths by land use type. Emissions were estimated using emission factors from EMFAC2017.

[b] **Bold values** = threshold exceedance

[c] PM_{10} and $PM_{2.5}$ dust includes road dust, brake wear, and tire wear.

TABLE 18
TOTAL ANNUAL UNCONTROLLED OPERATIONAL EMISSIONS BY SOURCE FOR THE DEVELOPER'S PROPOSED OPTION AND THE ADDITIONAL HOUSING OPTION

	Total Annual Emissions (tons/year)[b]															
	Developer's Proposed Option								Additional Housing Option							
Phase/Year/Source[a]	ROG	NO_X	PM_{10} Exhaust	PM_{10} Dust[c]	PM_{10} Total	$PM_{2.5}$ Exhaust	$PM_{2.5}$ Dust[c]	$PM_{2.5}$ Total	ROG	NO_X	PM_{10} Exhaust	PM_{10} Dust[c]	PM_{10} Total	$PM_{2.5}$ Exhaust	$PM_{2.5}$ Dust[c]	$PM_{2.5}$ Total
Phase 1 – 2024																
Area	2.87	0.07	0.03	0.00	*0.03*	0.03	0.00	*0.03*	3.38	0.08	0.04	0.00	*0.04*	0.04	0.00	*0.04*
Energy	0.03	0.25	0.02	0.00	*0.02*	0.02	0.00	*0.02*	0.04	0.33	0.03	0.00	*0.03*	0.03	0.00	*0.03*
Mobile	0.38	0.57	0.01	1.74	*1.76*	0.01	0.46	*0.48*	0.51	0.75	0.02	2.29	*2.31*	0.02	0.61	*0.63*
Emergency Generators	0.00	0.05	0.00	0.00	*0.00*	0.00	0.00	*0.00*	0.01	0.14	0.01	0.00	*0.01*	0.01	0.00	*0.01*
Delivery Vehicles	0.01	0.61	0.00	0.03	*0.03*	0.00	0.01	*0.01*	0.01	0.71	0.00	0.03	*0.03*	0.00	0.01	*0.02*
Total	*3.30*	*1.54*	*0.07*	*1.77*	*1.83*	*0.07*	*0.47*	*0.54*	*3.95*	*2.01*	*0.09*	*2.32*	*2.41*	*0.09*	*0.62*	*0.71*
Full Buildout – 2027																
Area	4.77	0.10	0.05	0.00	*0.05*	0.05	0.00	*0.05*	5.92	0.14	0.06	0.00	*0.06*	0.06	0.00	*0.06*
Energy	0.05	0.43	0.03	0.00	*0.03*	0.03	0.00	*0.03*	0.07	0.60	0.05	0.00	*0.05*	0.05	0.00	*0.05*
Mobile	0.57	0.84	0.02	2.97	*2.99*	0.02	0.79	*0.81*	0.79	1.20	0.03	4.15	*4.18*	0.03	1.11	*1.14*
Emergency Generators	0.00	0.09	0.00	0.00	*0.00*	0.00	0.00	*0.00*	0.01	0.28	0.01	0.00	*0.01*	0.01	0.00	*0.01*
Delivery Vehicles	0.02	0.84	0.00	0.04	*0.05*	0.00	0.02	*0.02*	0.02	1.11	0.01	0.05	*0.05*	0.01	0.02	*0.03*
Total	*5.41*	*2.31*	*0.11*	*3.01*	*3.12*	*0.11*	*0.81*	*0.92*	*6.82*	*3.34*	*0.16*	*4.20*	*4.36*	*0.16*	*1.13*	*1.29*

SOURCE: ESA, 2019.

ABBREVIATIONS:
ROG = reactive organic gases
NO_X = oxides of nitrogen
PM_{10} = particulate matter less than or equal to 10 microns in diameter
$PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter
CalEEMod = CALifornia Emissions Estimator MODel

NOTES:

[a] Categories defined as follows:
Area = Emissions from landscaping equipment, consumer products, and architectural coatings. Refer to Table 1 for the land use type and sizes assumed in the modeling. Emissions were modeled using CalEEMod.
Energy = Emissions from natural gas combustion for space heating and cooking. Refer to Table 1 for the land use type and sizes assumed in the modeling. Emissions were modeled using CalEEMod.
Mobile = Operating emissions from daily residential, daycare, and restaurant auto trips. Refer to Table 1 for the daily vehicle trips and trip lengths by land use type. Emission from auto trips were estimated using CalEEMod.
Emergency Generators = Operating emissions from diesel-powered emergency generators.
Delivery Vehicles = Operating emissions from daily office, retail, and restaurant delivery vehicles trips. Refer to Table 5 for the daily vehicle trips and trip lengths by land use type. Emissions were estimated using emission factors from EMFAC2017.

[b] **Bold values** = threshold exceedance

[c] PM_{10} and $PM_{2.5}$ dust includes road dust, brake wear, and tire wear.

Construction Plus Operational Emissions

The following tables present average daily and total annual uncontrolled and controlled construction plus operational emissions. Threshold exceedances are shown in bold text (the BAAQMD thresholds are 54 pounds per day and 10 tons per year of ROG, NO_X, and $PM_{2.5}$ and 82 pounds per day and 15 tons per year of PM_{10}). The tables presented below include:

- **Table 19:** average daily uncontrolled and controlled construction plus operational emissions for the Developer's Proposed by year.
- **Table 20:** total annual uncontrolled and controlled construction plus operational emissions for the Developer's Proposed Option by year.
- **Table 21:** average daily uncontrolled and controlled construction plus operational emissions for the Additional Housing Option by year.
- **Table 22:** total annual uncontrolled and controlled construction plus operational emissions for the Additional Housing Option by year.

TABLE 19
AVERAGE DAILY UNCONTROLLED AND CONTROLLED CONSTRUCTION PLUS OPERATIONAL EMISSIONS BY YEAR AND SOURCE FOR THE DEVELOPER'S PROPOSED OPTION

	Total Annual Emissions (tons/year)[a]															
	Uncontrolled								Controlled[b]							
Phase/Year/ Source	ROG	NO_X	PM_{10} Exhaust[c]	PM_{10} Dust[c]	PM_{10} Total[c]	$PM_{2.5}$ Exhaust[c]	$PM_{2.5}$ Dust[c]	$PM_{2.5}$ Total[c]	ROG	NO_X	PM_{10} Exhaust[c]	PM_{10} Dust[c]	PM_{10} Total[c]	$PM_{2.5}$ Exhaust[c]	$PM_{2.5}$ Dust[c]	$PM_{2.5}$ Total[c]
2024																
Construction	35.15	47.08	0.95	0.00	*0.95*	0.94	0.00	*0.94*	6.20	30.25	0.17	0.00	*0.17*	0.16	0.00	*0.16*
Operation	18.07	8.44	0.36	9.68	*10.05*	0.36	2.60	*2.96*	18.07	8.44	0.36	9.68	10.05	0.36	2.60	2.96
Total	*53.21*	***55.52***	*1.32*	*9.68*	*11.00*	*1.29*	*2.60*	*3.89*	*24.26*	*38.69*	*0.53*	*9.68*	*10.21*	*0.52*	*2.60*	*3.12*
2025																
Construction	5.01	25.87	0.47	0.00	*0.47*	0.47	0.00	*0.47*	2.32	17.53	0.10	0.00	*0.10*	0.09	0.00	*0.09*
Operation	18.07	8.44	0.36	9.68	*10.05*	0.36	2.60	*2.96*	18.07	8.44	0.36	9.68	10.05	0.36	2.60	2.96
Total	*23.07*	*34.31*	*0.84*	*9.68*	*10.52*	*0.83*	*2.60*	*3.43*	*20.39*	*25.97*	*0.46*	*9.68*	*10.14*	*0.45*	*2.60*	*3.05*
2026																
Construction	26.22	15.35	0.24	0.00	*0.24*	0.24	0.00	*0.24*	4.18	11.73	0.07	0.00	*0.07*	0.07	0.00	*0.07*
Operation	18.07	8.44	0.36	9.68	*10.05*	0.36	2.60	*2.96*	18.07	8.44	0.36	9.68	10.05	0.36	2.60	2.96
Total	*44.29*	*23.79*	*0.61*	*9.68*	*10.29*	*0.59*	*2.60*	*3.20*	*22.25*	*20.17*	*0.44*	*9.68*	*10.12*	*0.42*	*2.60*	*3.03*
2027																
Construction	33.57	13.73	0.26	0.00	*0.26*	0.25	0.00	*0.25*	4.74	9.66	0.07	0.00	*0.07*	0.06	0.00	*0.06*
Operation	18.07	8.44	0.36	9.68	*10.05*	0.36	2.60	*2.96*	18.07	8.44	0.36	9.68	10.05	0.36	2.60	2.96
Total	*51.64*	*22.17*	*0.62*	*9.68*	*10.31*	*0.61*	*2.60*	*3.21*	*22.81*	*18.10*	*0.43*	*9.68*	*10.12*	*0.42*	*2.60*	*3.02*

SOURCE: ESA, 2019.

ABBREVIATIONS:
ROG = reactive organic gases
NO_X = oxides of nitrogen
PM_{10} = particulate matter less than or equal to 10 microns in diameter
$PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter
VOC = volatile organic compounds

NOTES:
[a] **Bold values** = threshold exceedance
[b] Controls include: (1) all off-road construction equipment was modeled with Tier 4 Final engine emission standards; (2) all architectural coatings during construction were modeled with a VOC content of 10 grams per liter to represent "super-compliant" low-VOC coatings; and (3) all operational generators were modeled with Tier 4 Final engine emission standards.
[c] Construction emissions of PM_{10} and $PM_{2.5}$ include exhaust emissions only, because the San Francisco Dust Control Ordinance mitigates all construction-related dust emissions. Operational emissions of PM_{10} and $PM_{2.5}$ include both exhaust and fugitive dust. Dust emissions for operations include road dust, brake wear, and tire wear from mobile sources.

TABLE 20
TOTAL ANNUAL UNCONTROLLED AND CONTROLLED CONSTRUCTION PLUS OPERATIONAL EMISSIONS BY YEAR AND SOURCE FOR THE DEVELOPER'S PROPOSED OPTION

	Total Annual Emissions (tons/year)[a]															
	Uncontrolled								Controlled[b]							
Phase/Year/ Source	ROG	NO_X	PM_{10} Exhaust[c]	PM_{10} Dust[c]	PM_{10} Total[c]	$PM_{2.5}$ Exhaust[c]	$PM_{2.5}$ Dust[c]	$PM_{2.5}$ Total[c]	ROG	NO_X	PM_{10} Exhaust[c]	PM_{10} Dust[c]	PM_{10} Total[c]	$PM_{2.5}$ Exhaust[c]	$PM_{2.5}$ Dust[c]	$PM_{2.5}$ Total[c]
2024																
Construction	4.60	6.17	0.12	0.00	*0.12*	0.12	0.00	*0.12*	0.81	3.96	0.02	0.00	*0.02*	0.02	0.00	*0.02*
Operation	3.30	1.54	0.07	1.77	*1.83*	0.07	0.47	*0.54*	3.30	1.54	0.07	1.77	1.83	0.07	0.47	0.54
Total	*7.90*	*7.71*	*0.19*	*1.77*	*1.96*	*0.19*	*0.47*	*0.66*	*4.11*	*5.50*	*0.09*	*1.77*	*1.86*	*0.09*	*0.47*	*0.56*
2025																
Construction	0.65	3.38	0.06	0.00	*0.06*	0.06	0.00	*0.06*	0.30	2.29	0.01	0.00	*0.01*	0.01	0.00	*0.01*
Operation	3.30	1.54	0.07	1.77	*1.83*	0.07	0.47	*0.54*	3.30	1.54	0.07	1.77	1.83	0.07	0.47	0.54
Total	*3.95*	*4.92*	*0.13*	*1.77*	*1.90*	*0.13*	*0.47*	*0.60*	*3.60*	*3.83*	*0.08*	*1.77*	*1.85*	*0.08*	*0.47*	*0.55*
2026																
Construction	3.42	2.00	0.03	0.00	*0.03*	0.03	0.00	*0.03*	0.55	1.53	0.01	0.00	*0.01*	0.01	0.00	*0.01*
Operation	3.30	1.54	0.07	1.77	*1.83*	0.07	0.47	*0.54*	3.30	1.54	0.07	1.77	1.83	0.07	0.47	0.54
Total	*6.72*	*3.54*	*0.10*	*1.77*	*1.86*	*0.10*	*0.47*	*0.57*	*3.84*	*3.07*	*0.08*	*1.77*	*1.84*	*0.07*	*0.47*	*0.55*
2027																
Construction	0.35	0.14	0.00	0.00	*0.00*	0.00	0.00	*0.00*	0.05	0.10	0.00	0.00	*0.00*	0.00	0.00	*0.00*
Operation	5.41	2.31	0.11	3.01	*3.12*	0.11	0.81	*0.92*	5.41	2.31	0.11	3.01	3.12	0.11	0.81	0.92
Total	*5.76*	*2.46*	*0.11*	*3.01*	*3.12*	*0.11*	*0.81*	*0.92*	*5.46*	*2.42*	*0.11*	*3.01*	*3.12*	*0.11*	*0.81*	*0.92*

SOURCE: ESA, 2019.

ABBREVIATIONS:
ROG = reactive organic gases
NO_X = oxides of nitrogen
PM_{10} = particulate matter less than or equal to 10 microns in diameter
$PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter
VOC = volatile organic compounds

NOTES:
[a] **Bold values** = threshold exceedance
[b] Controls include: (1) all off-road construction equipment was modeled with Tier 4 Final engine emission standards; (2) all architectural coatings during construction were modeled with a VOC content of 10 grams per liter to represent "super-compliant" low-VOC coatings; and (3) all operational generators were modeled with Tier 4 Final engine emission standards.
[c] Construction emissions of PM_{10} and $PM_{2.5}$ include exhaust emissions only, because the San Francisco Dust Control Ordinance mitigates all construction-related dust emissions. Operational emissions of PM_{10} and $PM_{2.5}$ include both exhaust and fugitive dust. Dust emissions for operations include road dust, brake wear, and tire wear from mobile sources.

TABLE 21
AVERAGE DAILY UNCONTROLLED CONSTRUCTION PLUS OPERATIONAL EMISSIONS BY YEAR AND SOURCE FOR THE ADDITIONAL HOUSING OPTION

	Total Annual Emissions (tons/year)[a]															
	Uncontrolled								Controlled[b]							
Phase/Year/ Source	ROG	NO_X	PM_{10} Exhaust[c]	PM_{10} Dust[c]	PM_{10} Total[c]	$PM_{2.5}$ Exhaust[c]	$PM_{2.5}$ Dust[c]	$PM_{2.5}$ Total[c]	ROG	NO_X	PM_{10} Exhaust[c]	PM_{10} Dust[c]	PM_{10} Total[c]	$PM_{2.5}$ Exhaust[c]	$PM_{2.5}$ Dust[c]	$PM_{2.5}$ Total[c]
2024																
Construction	40.85	41.43	1.04	0.00	*1.04*	1.03	0.00	*1.03*	7.00	23.09	0.17	0.00	*0.17*	0.16	0.00	*0.16*
Operation	21.62	11.02	0.50	12.72	*13.21*	0.49	3.41	*3.90*	21.62	11.02	0.50	12.72	13.21	0.49	3.41	3.90
Total	***62.46***	*52.45*	*1.54*	*12.72*	*14.26*	*1.52*	*3.41*	*4.93*	*28.62*	*34.11*	*0.67*	*12.72*	*13.38*	*0.65*	*3.41*	*4.07*
2025																
Construction	7.41	30.73	0.54	0.00	*0.54*	0.53	0.00	*0.53*	3.24	21.48	0.12	0.00	*0.12*	0.11	0.00	*0.11*
Operation	21.62	11.02	0.50	12.72	*13.21*	0.49	3.41	*3.90*	21.62	11.02	0.50	12.72	13.21	0.49	3.41	3.90
Total	*29.03*	*41.75*	*1.04*	*12.72*	*13.75*	*1.02*	*3.41*	*4.43*	*24.85*	*32.50*	*0.62*	*12.72*	*13.33*	*0.60*	*3.41*	*4.02*
2026																
Construction	34.27	20.03	0.30	0.00	*0.30*	0.29	0.00	*0.29*	5.77	15.79	0.10	0.00	*0.10*	0.09	0.00	*0.09*
Operation	21.62	11.02	0.50	12.72	*13.21*	0.49	3.41	*3.90*	21.62	11.02	0.50	12.72	13.21	0.49	3.41	3.90
Total	***55.88***	*31.05*	*0.80*	*12.72*	*13.51*	*0.78*	*3.41*	*4.19*	*27.39*	*26.81*	*0.60*	*12.72*	*13.31*	*0.58*	*3.41*	*4.00*
2027																
Construction	42.10	18.86	0.33	0.00	*0.33*	0.33	0.00	*0.33*	6.39	13.82	0.10	0.00	*0.10*	0.09	0.00	*0.09*
Operation	21.62	11.02	0.50	12.72	*13.21*	0.49	3.41	*3.90*	21.62	11.02	0.50	12.72	13.21	0.49	3.41	3.90
Total	***63.72***	*29.87*	*0.83*	*12.72*	*13.55*	*0.82*	*3.41*	*4.23*	*28.01*	*24.84*	*0.60*	*12.72*	*13.31*	*0.58*	*3.41*	*3.99*

SOURCE: ESA, 2019.

ABBREVIATIONS:
ROG = reactive organic gases
NO_X = oxides of nitrogen
PM_{10} = particulate matter less than or equal to 10 microns in diameter
$PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter
VOC = volatile organic compounds

NOTES:
[a] **Bold values** = threshold exceedance
[b] Controls include: (1) all off-road construction equipment was modeled with Tier 4 Final engine emission standards; (2) all architectural coatings during construction were modeled with a VOC content of 10 grams per liter to represent "super-compliant" low-VOC coatings; and (3) all operational generators were modeled with Tier 4 Final engine emission standards.
[c] Construction emissions of PM_{10} and $PM_{2.5}$ include exhaust emissions only, because the San Francisco Dust Control Ordinance mitigates all construction-related dust emissions. Operational emissions of PM_{10} and $PM_{2.5}$ include both exhaust and fugitive dust. Dust emissions for operations include road dust, brake wear, and tire wear from mobile sources.

TABLE 22
TOTAL ANNUAL UNCONTROLLED AND CONTROLLED CONSTRUCTION PLUS OPERATIONAL EMISSIONS BY YEAR AND SOURCE FOR THE ADDITIONAL HOUSING OPTION

	Total Annual Emissions (tons/year)[a]															
	Uncontrolled								Controlled[b]							
Phase/Year/ Source	ROG	NO_X	PM_{10} Exhaust[c]	PM_{10} Dust[c]	PM_{10} Total[c]	$PM_{2.5}$ Exhaust[c]	$PM_{2.5}$ Dust[c]	$PM_{2.5}$ Total[c]	ROG	NO_X	PM_{10} Exhaust[c]	PM_{10} Dust[c]	PM_{10} Total[c]	$PM_{2.5}$ Exhaust[c]	$PM_{2.5}$ Dust[c]	$PM_{2.5}$ Total[c]
2024																
Construction	5.35	5.43	0.14	0.00	*0.14*	0.13	0.00	*0.13*	0.92	3.02	0.02	0.00	*0.02*	0.02	0.00	*0.02*
Operation	3.95	2.01	0.09	2.32	*2.41*	0.09	0.62	*0.71*	3.95	2.01	0.09	2.32	2.41	0.09	0.62	0.71
Total	*9.30*	*7.44*	*0.23*	*2.32*	*2.55*	*0.22*	*0.62*	*0.85*	*4.86*	*5.04*	*0.11*	*2.32*	*2.43*	*0.11*	*0.62*	*0.73*
2025																
Construction	0.97	4.01	0.07	0.00	*0.07*	0.07	0.00	*0.07*	0.42	2.80	0.02	0.00	*0.02*	0.02	0.00	*0.02*
Operation	3.95	2.01	0.09	2.32	*2.41*	0.09	0.62	*0.71*	3.95	2.01	0.09	2.32	2.41	0.09	0.62	0.71
Total	*4.91*	*6.02*	*0.16*	*2.32*	*2.48*	*0.16*	*0.62*	*0.78*	*4.37*	*4.81*	*0.11*	*2.32*	*2.43*	*0.10*	*0.62*	*0.73*
2026																
Construction	4.47	2.61	0.04	0.00	*0.04*	0.04	0.00	*0.04*	0.75	2.06	0.01	0.00	*0.01*	0.01	0.00	*0.01*
Operation	3.95	2.01	0.09	2.32	*2.41*	0.09	0.62	*0.71*	3.95	2.01	0.09	2.32	2.41	0.09	0.62	0.71
Total	*8.42*	*4.63*	*0.13*	*2.32*	*2.45*	*0.13*	*0.62*	*0.75*	*4.70*	*4.07*	*0.10*	*2.32*	*2.42*	*0.10*	*0.62*	*0.72*
2027																
Construction	0.44	0.20	0.00	0.00	*0.00*	0.00	0.00	*0.00*	0.07	0.15	0.00	0.00	*0.00*	0.00	0.00	*0.00*
Operation	6.82	3.34	0.16	4.20	*4.36*	0.16	1.13	*1.29*	6.82	3.34	0.16	4.20	4.36	0.16	1.13	1.29
Total	*7.26*	*3.54*	*0.17*	*4.20*	*4.37*	*0.16*	*1.13*	*1.29*	*6.89*	*3.48*	*0.16*	*4.20*	*4.36*	*0.16*	*1.13*	*1.29*

SOURCE: ESA, 2019.

ABBREVIATIONS:
ROG = reactive organic gases
NO_X = oxides of nitrogen
PM_{10} = particulate matter less than or equal to 10 microns in diameter
$PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter
VOC = volatile organic compounds

NOTES:
[a] **Bold values** = threshold exceedance
[b] Controls include: (1) all off-road construction equipment was modeled with Tier 4 Final engine emission standards; (2) all architectural coatings during construction were modeled with a VOC content of 10 grams per liter to represent "super-compliant" low-VOC coatings; and (3) all operational generators were modeled with Tier 4 Final engine emission standards.
[c] Construction emissions of PM_{10} and $PM_{2.5}$ include exhaust emissions only, because the San Francisco Dust Control Ordinance mitigates all construction-related dust emissions. Operational emissions of PM_{10} and $PM_{2.5}$ include both exhaust and fugitive dust. Dust emissions for operations include road dust, brake wear, and tire wear from mobile sources.

Health Risk Assessment

This section presents the results of the HRA for the proposed project. This section addresses $PM_{2.5}$ exposure and cancer risk from DPM as a result of uncontrolled emissions. Health risks are evaluated by combining background cancer risk and $PM_{2.5}$ concentrations for existing conditions (2014) from the CRRP-HRA with cancer risk and $PM_{2.5}$ concentrations for the proposed project.

The following tables present the results of the health risk analysis. Threshold exceedances are shown in bold text. The SF EP thresholds are as follows.

1. For those receptors *not within* the APEZ during existing conditions, but which would be *brought into* the APEZ during existing plus proposed project conditions, the thresholds are 10 chances per million for cancer and 0.3 $\mu g/m^3$ for annual average $PM_{2.5}$ concentrations
2. For those receptors located *within* the APEZ during existing conditions and which would continue to be located within the APEZ during existing plus proposed project conditions, the thresholds are 7 chances per million for cancer and 0.2 $\mu g/m^3$ for annual average $PM_{2.5}$ concentrations).

Table 23 and **Table 24** presents a summary of the maximum health risk results for the proposed project. The tables include the maximally impacted sensitive receptor for each exposure scenario (construction, construction plus operations, and operations) for lifetime excess cancer risk (chances per million) and average annual $PM_{2.5}$ exhaust concentrations ($\mu g/m^3$). Table 23 presents summary results for the Developer's Proposed Option; Table 24 presents summary results for the Additional Housing Option.

TABLE 23
SUMMARY OF LIFETIME EXCESS CANCER RISK AND ANNUAL AVERAGE $PM_{2.5}$ CONCENTRATIONS FOR THE DEVELOPER'S PROPOSED OPTION

Scenario/ Receptor Type	Uncontrolled						Controlled[b]					
	Lifetime Excess Cancer Risk (chances per million)[a]			Annual Average $PM_{2.5}$ Concentrations ($\mu g/m^3$)[a]			Lifetime Excess Cancer Risk (chances per million)[a]			Annual Average $PM_{2.5}$ Concentrations ($\mu g/m^3$)[a]		
	UTM – X	UTM – Y	Project Contribution	UTM – X	UTM – Y	Project Contribution	UTM – X	UTM – Y	Project Contribution	UTM – X	UTM – Y	Project Contribution
Not in APEZ, but Would be in APEZ with Project												
Construction												
Resident (On-Site)	548060	4175380	108.9	548060	4175380	1.33	548060	4175380	9.5	548060	4175380	0.12
Daycare (Off-Site)	547920	4175420	87.5	547920	4175420	0.38	547920	4175420	11.6	547920	4175420	0.03
Daycare (On-Site)	548020	4175400	238.4	548020	4175400	1.33	548020	4175400	20.9	548020	4175400	0.12
Construction + Operations												
Resident (On-Site)	548060	4175380	110.9	548060	4175380	1.33	548060	4175380	11.4	548060	4175380	0.12
Daycare (Off-Site)	547920	4175420	87.7	547920	4175420	0.38	547920	4175420	11.8	547920	4175420	0.04
Daycare (On-Site)	548020	4175400	239.5	548020	4175400	1.33	548020	4175400	22.0	548020	4175400	0.12
In APEZ												
Construction												
Resident (Off-Site)	548700	4175440	4.2	548700	4175440	0.02	548700	4175440	0.5	548700	4175440	<0.01
School (Off-Site)	548520	4175180	1.1	548520	4175180	0.02	548520	4175180	0.1	548520	4175180	<0.01
Construction + Operations												
Resident (Off-Site)	548700	4175440	4.4	548700	4175440	0.02	548580	4175080	1.4	548580	4175080	<0.01
School (Off-Site)	548520	4175180	1.3	548520	4175180	<0.01	548520	4175180	0.3	548520	4175180	<0.01

Scenario/ Receptor Type	Uncontrolled						Controlled[b]					
	Lifetime Excess Cancer Risk (chances per million)[a]			Annual Average $PM_{2.5}$ Concentrations ($\mu g/m^3$)[a]			Lifetime Excess Cancer Risk (chances per million)[a]			Annual Average $PM_{2.5}$ Concentrations ($\mu g/m^3$)[a]		
	UTM – X	UTM – Y	Project Contribution	UTM – X	UTM – Y	Project Contribution	UTM – X	UTM – Y	Project Contribution	UTM – X	UTM – Y	Project Contribution
Operations												
Resident (Off-Site)	548580	4175080	2.4	548580	4175080	<0.01	548580	4175080	2.4	548580	4175080	<0.01
School (Off-Site)	548520	4175180	0.2	548520	4175180	<0.01	548520	4175180	0.2	548520	4175180	<0.01

SOURCE: ESA, 2019.

ABBREVIATIONS:

UTM = Universal Transverse Mercator
UTM – X = eastward-measured distance
UTM – Y = northward-measured distance
$PM_{2.5}$ = fine particulate matter less than 2.5 micrometers in aerodynamic diameter
$\mu g/m^3$ = micrograms per cubic meters
VOC = volatile organic compounds

NOTES:

[a] **Bold values** = threshold exceedance

[b] Controls include: (1) all off-road construction equipment was modeled with Tier 4 Final engine emission standards; (2) all architectural coatings during construction were modeled with a VOC content of 10 grams per liter to represent "super-compliant" low-VOC coatings; and (3) all operational generators were modeled with Tier 4 Final engine emission standards. Note that for some receptors, the cancer risk and $PM_{2.5}$ concentration from the proposed project combined with the background cancer risk and $PM_{2.5}$ concentration would be less than 100 per million and 10 $\mu g/m^3$; therefore, these receptors would not be placed in a new APEZ under controlled conditions, and the significance threshold for the project contribution of 10.0 per 1 million and 0.2 $\mu g/m^3$ would not apply.

TABLE 24
SUMMARY OF LIFETIME EXCESS CANCER RISK AND ANNUAL AVERAGE $PM_{2.5}$ CONCENTRATIONS FOR THE ADDITIONAL HOUSING OPTION

Scenario/ Receptor Type	Uncontrolled						Controlled [b]					
	Lifetime Excess Cancer Risk (chances per million)[a]			Annual Average $PM_{2.5}$ Concentrations ($\mu g/m^3$)[a]			Lifetime Excess Cancer Risk (chances per million)[a]			Annual Average $PM_{2.5}$ Concentrations ($\mu g/m^3$)[a]		
	UTM – X	UTM – Y	Project Contribution	UTM – X	UTM – Y	Project Contribution	UTM – X	UTM – Y	Project Contribution	UTM – X	UTM – Y	Project Contribution
Not in APEZ, but Would be in APEZ with Project												
Construction												
Resident (On-Site)	548060	4175380	122.6	548060	4175380	1.49	548060	4175380	10.7	548060	4175380	0.13
Daycare (Off-Site)	547920	4175420	101.7	547920	4175420	0.42	547920	4175420	12.6	547920	4175420	0.04
Daycare (On-Site)	548020	4175400	267.7	548020	4175400	1.49	548020	4175400	23.5	548020	4175400	0.13
Construction + Operations												
Resident (On-Site)	548060	4175380	125.6	548060	4175380	1.49	548060	4175380	13.4	548060	4175380	0.14
Daycare (Off-Site)	547920	4175420	102.0	547920	4175420	0.43	547920	4175420	12.8	547920	4175420	0.04
Daycare (On-Site)	548020	4175400	269.6	548020	4175400	1.50	548020	4175400	25.3	548020	4175400	0.14
In APEZ												
Construction												
Resident (Off-Site)	548700	4175440	4.9	548700	4175440	0.03	548700	4175440	0.6	548700	4175440	<0.01
School (Off-Site)	548520	4175180	1.3	548520	4175180	0.02	548520	4175180	0.1	548520	4175180	<0.01
Construction + Operations												
Resident (Off-Site)	548700	4175440	5.4	548700	4175440	0.03	548580	4175080	1.9	548580	4175080	<0.01
School (Off-Site)	548520	4175180	1.5	548520	4175180	0.02	548520	4175180	0.4	548520	4175180	<0.01

Scenario/ Receptor Type	Uncontrolled						Controlled [b]					
	Lifetime Excess Cancer Risk (chances per million)[a]			Annual Average $PM_{2.5}$ Concentrations ($\mu g/m^3$)[a]			Lifetime Excess Cancer Risk (chances per million)[a]			Annual Average $PM_{2.5}$ Concentrations ($\mu g/m^3$)[a]		
	UTM – X	UTM – Y	Project Contribution	UTM – X	UTM – Y	Project Contribution	UTM – X	UTM – Y	Project Contribution	UTM – X	UTM – Y	Project Contribution
Operations												
Resident (Off-Site)	548580	4175080	3.4	548580	4175080	<0.01	548580	4175080	3.4	548580	4175080	<0.01
School (Off-Site)	548520	4175180	0.3	548520	4175180	<0.01	548520	4175180	0.3	548520	4175180	<0.01

SOURCE: ESA, 2019.

ABBREVIATIONS:
UTM = Universal Transverse Mercator
UTM – X = eastward-measured distance
UTM – Y = northward-measured distance
$PM_{2.5}$ = fine particulate matter less than 2.5 micrometers in aerodynamic diameter
$\mu g/m^3$ = micrograms per cubic meters
VOC = volatile organic compounds

NOTES:

[a] **Bold values** = threshold exceedance

[b] Controls include: (1) all off-road construction equipment was modeled with Tier 4 Final engine emission standards; (2) all architectural coatings during construction were modeled with a VOC content of 10 grams per liter to represent "super-compliant" low-VOC coatings; and (3) all operational generators were modeled with Tier 4 Final engine emission standards. Note that for some receptors, the cancer risk and $PM_{2.5}$ concentration from the proposed project combined with the background cancer risk and $PM_{2.5}$ concentration would be less than 100 per million and 10 $\mu g/m^3$; therefore, these receptors would not be placed in a new APEZ under controlled conditions, and the significance threshold for the project contribution of 10.0 per 1 million and 0.2 $\mu g/m^3$ would not apply.

Project Contribution

The following tables present TAC emissions and health risks associated with uncontrolled and controlled project construction and operational activities. The tables presented below include:

- **Table 25:** total annual uncontrolled and controlled construction TAC emissions for the Developer's Proposed Option.
- **Table 26:** total annual uncontrolled and controlled construction TAC emissions for the Additional Housing Option.
- **Table 27:** total annual uncontrolled and controlled operational TAC emissions for the Developer's Proposed Option.
- **Table 28:** total annual uncontrolled and controlled operational TAC emissions for the Additional Housing Option.
- **Table 29:** uncontrolled and controlled maximum lifetime excess cancer risk (chances per million) and average annual $PM_{2.5}$ exhaust concentrations ($\mu g/m^3$) for each exposure scenario for the Developer's Proposed Option, including Universal Transverse Mercator (UTM) locations and proposed project risk.
- **Table 30:** uncontrolled and controlled maximum lifetime excess cancer risk (chances per million) and average annual $PM_{2.5}$ exhaust concentrations ($\mu g/m^3$) for each exposure scenario for the Additional Housing Option, including UTM locations and proposed project risk.

TABLE 25
TOTAL ANNUAL UNCONTROLLED AND CONTROLLED CONSTRUCTION TAC EMISSIONS – DEVELOPER PROJECT OPTION

	Uncontrolled						Controlled[a]					
	DPM Emissions (pounds/year)			$PM_{2.5}$ Exhaust Emissions (pounds/year)			DPM Emissions (pounds/year)			$PM_{2.5}$ Exhaust Emissions (pounds/year)		
Phase/ Year	Off-Road Equipment	Haul Trucks (travel)	Haul Trucks (Idle)	Off-Road Equipment	Haul Trucks (travel)	Haul Trucks (Idle)	Off-Road Equipment	Haul Trucks (travel)	Haul Trucks (Idle)	Off-Road Equipment	Haul Trucks (travel)	Haul Trucks (Idle)
Phase 0												
2021	262.7	0.0	0.00	257.3	0.00	0.00	56.5	0.0	0.00	56.5	0.00	0.00
2022	25.7	0.0	0.00	25.2	0.00	0.00	5.3	0.0	0.00	5.3	0.00	0.00
Phase 1												
2022	356.5	17.9	0.00	351.08	17.16	0.00	27.0	17.9	0.00	26.96	17.16	0.00
2023	82.5	11.8	0.00	81.08	11.28	0.00	6.9	11.8	0.00	6.88	11.28	0.00
2024	75.0	6.5	0.00	73.54	6.28	0.00	6.3	6.5	0.00	6.32	6.28	0.00
Phase 2												
2024	149.6	7.5	0.05	148.20	7.20	0.05	12.9	7.5	0.05	12.86	7.20	0.05
2025	109.3	8.9	0.00	108.66	8.48	0.00	10.2	8.9	0.00	10.16	8.48	0.00
2026	47.8	6.8	0.00	47.82	6.46	0.00	3.7	6.8	0.00	3.68	6.46	0.00
2027	4.3	0.5	0.00	4.32	0.44	0.00	0.3	0.5	0.00	0.34	0.44	0.00
Total	**825.0**	**59.9**	**0.05**	**814.7**	**57.3**	**0.05**	**67.2**	**59.9**	**0.05**	**67.2**	**57.3**	**0.05**

SOURCE: ESA, 2019.

ABBREVIATIONS:
TAC = toxic air contaminant
DPM = diesel particulate matter
$PM_{2.5}$ = fine particulate matter less than 2.5 micrometers in aerodynamic diameter
VOC = volatile organic compounds

NOTES:

[a] Controls include: (1) all off-road construction equipment was modeled with Tier 4 Final engine emission standards; (2) all architectural coatings were modeled with a VOC content of 10 grams per liter to represent "super-compliant" low-VOC coatings; and (3) all operational generators were modeled with Tier 4 Final engine emission standards.

TABLE 26
TOTAL ANNUAL UNCONTROLLED AND CONTROLLED CONSTRUCTION TAC EMISSIONS – ADDITIONAL HOUSING PROJECT OPTION

	Uncontrolled						Controlled[a]					
	DPM Emissions (pounds/year)			$PM_{2.5}$ Exhaust Emissions (pounds/year)			DPM Emissions (pounds/year)			$PM_{2.5}$ Exhaust Emissions (pounds/year)		
Phase/ Year	Off-Road Equipment	Haul Trucks (travel)	Haul Trucks (Idle)	Off-Road Equipment	Haul Trucks (travel)	Haul Trucks (Idle)	Off-Road Equipment	Haul Trucks (travel)	Haul Trucks (Idle)	Off-Road Equipment	Haul Trucks (travel)	Haul Trucks (Idle)
Phase 0												
2021	262.7	0.0	0.00	257.3	0.00	0.00	56.5	0.0	0.00	56.5	0.00	0.00
2022	25.7	0.0	0.00	25.2	0.00	0.00	5.3	0.0	0.00	5.3	0.00	0.00
Phase 1												
2022	480.4	24.8	0.00	474.8	23.72	0.00	35.6	24.8	0.00	35.6	23.72	0.00
2023	65.1	15.9	0.00	64.3	15.24	0.00	5.1	15.9	0.00	5.1	15.24	0.00
2024	82.0	7.6	0.00	81.1	7.34	0.00	6.2	7.6	0.00	6.2	7.34	0.00
Phase 2												
2024	167.8	5.4	0.05	166.2	8.76	0.05	14.4	5.4	0.05	14.4	5.18	0.05
2025	121.2	13.5	0.00	120.2	12.90	0.00	11.3	13.5	0.00	11.3	12.90	0.00
2026	56.0	10.3	0.00	56.0	9.88	0.00	4.3	10.3	0.00	4.3	9.88	0.00
2027	5.4	0.7	0.00	5.4	0.66	0.00	0.4	0.7	0.00	0.4	0.66	0.00
Total	**977.8**	**78.3**	**0.05**	**967.9**	**74.9**	**0.05**	**77.4**	**78.3**	**0.05**	**77.4**	**74.9**	**0.05**

SOURCE: ESA, 2019.

ABBREVIATIONS:
TAC = toxic air contaminant
DPM = diesel particulate matter
$PM_{2.5}$ = fine particulate matter less than 2.5 micrometers in aerodynamic diameter
VOC = volatile organic compounds

NOTES:

[a] Controls include: (1) all off-road construction equipment was modeled with Tier 4 Final engine emission standards; (2) all architectural coatings were modeled with a VOC content of 10 grams per liter to represent "super-compliant" low-VOC coatings; and (3) all operational generators were modeled with Tier 4 Final engine emission standards.

TABLE 27
TOTAL ANNUAL UNCONTROLLED AND CONTROLLED OPERATIONAL TAC EMISSIONS FOR THE DEVELOPER'S PROPOSED OPTION

	Total Annual Emissions (pounds per year)					
	Uncontrolled			Controlled		
Phase/Year	**DPM**	**TOG**	**$PM_{2.5}$ Exhaust**	**DPM**	**TOG**	**$PM_{2.5}$ Exhaust**
Phase 1 (2024–2027)						
Mobile	27.0	845.1	24.8	27.0	845.1	24.8
Delivery Vehicles (travel)	5.1	13.0	4.8	5.1	13.0	4.8
Delivery Vehicles (idle)	<0.1	14.3	1.2	<0.1	14.3	1.2
Emergency Generators	4.7	<0.1	4.6	0.3	<0.1	0.3
Total	*36.8*	*872.4*	*35.4*	*32.4*	*872.4*	*31.1*
Full-Buildout (2027)						
Mobile	42.2	1,236.2	38.8	42.2	1,236.2	38.8
Delivery Vehicles (travel)	7.9	19.9	7.6	7.9	19.9	7.6
Delivery Vehicles (idle)	1.1	14.3	1.1	1.1	14.3	1.1
Emergency Generators	9.4	<0.1	9.2	0.6	<0.1	0.6
Total	*60.7*	*1,270.4*	*56.7*	*51.9*	*1,270.4*	*48.1*

SOURCE: ESA, 2019.

ABBREVIATIONS:
TAC = toxic air contaminant
DPM = diesel particulate matter
TOG = total organic compounds
$PM_{2.5}$ = fine particulate matter less than 2.5 micrometers in aerodynamic diameter

TABLE 28
TOTAL ANNUAL UNCONTROLLED AND CONTROLLED OPERATIONAL TAC EMISSIONS FOR THE ADDITIONAL HOUSING OPTION

	Total Annual Emissions (pounds per year)					
	Uncontrolled			Controlled		
Phase/Year	**DPM**	**TOG**	**$PM_{2.5}$ Exhaust**	**DPM**	**TOG**	**$PM_{2.5}$ Exhaust**
Phase 1 (2024–2027)						
Mobile	35.6	1,113.4	32.8	35.6	1,113.4	32.8
Delivery Vehicles (travel)	5.8	15.0	5.6	5.8	15.0	5.6
Delivery Vehicles (idle)	<0.1	16.5	1.4	<0.1	16.5	1.4
Emergency Generators	18.9	<0.1	18.4	1.3	<0.1	1.2
Total	*60.3*	*1,145.0*	*58.2*	*42.7*	*1,145.0*	*41.0*
Full-Buildout (2027)						
Mobile	59.0	1,732.5	54.4	59.0	1,732.5	54.4
Delivery Vehicles (travel)	9.4	23.7	9.0	9.4	23.7	9.0
Delivery Vehicles (idle)	2.2	26.8	2.1	2.2	26.8	2.1
Emergency Generators	28.3	<0.1	27.7	1.9	<0.1	1.8
Total	*98.9*	*1,783.0*	*93.1*	*72.4*	*1,783.0*	*67.3*

SOURCE: ESA, 2019.

ABBREVIATIONS:
TAC = toxic air contaminant
DPM = diesel particulate matter
TOG = total organic compounds
$PM_{2.5}$ = fine particulate matter less than 2.5 micrometers in aerodynamic diameter

TABLE 29
UNCONTROLLED AND CONTROLLED LIFETIME EXCESS CANCER RISK AND AVERAGE ANNUAL $PM_{2.5}$ CONCENTRATIONS FOR THE DEVELOPER'S PROPOSED OPTION

Scenario/ Receptor Type	Uncontrolled						Controlled[a]					
	Lifetime Excess Cancer Risk[b]			Annual Average $PM_{2.5}$ Concentrations[b]			Lifetime Excess Cancer Risk[b]			Annual Average $PM_{2.5}$ Concentrations[b]		
	UTM–X	UTM–Y	Chances per Million	UTM–X	UTM–Y	Concentration ($\mu g/m^3$)	UTM–X	UTM–Y	Chances per Million	UTM–X	UTM–Y	Concentration ($\mu g/m^3$)
Scenario 1: Construction (off-site)[c]												
Resident (Off-Site)	547920	4175540	67.1	547980	4175360	0.64	547920	4175540	7.7	547980	4175360	0.06
Daycare (Off-Site)	547920	4175420	87.5	547920	4175420	0.38	547920	4175420	11.6	547920	4175420	0.03
School (Off-Site)	548120	4175720	12.9	548120	4175720	0.26	548120	4175720	1.5	548120	4175720	0.02
Scenario 2: Construction (on-site)[d]												
Resident (On-Site)	548060	4175380	109.0	548060	4175380	1.33	548060	4175380	9.6	548060	4175380	0.12
Daycare (On-Site)	548020	4175400	238.4	548020	4175400	1.33	548020	4175400	20.9	548020	4175400	0.12
Scenario 3: Construction + Operations (off-site)[e]												
Resident (Off-Site)	547920	4175540	67.5	547980	4175360	0.64	547920	4175500	8.2	548540	4175080	0.06
Daycare (Off-Site)	547920	4175420	87.7	547920	4175420	0.38	547920	4175420	11.8	547920	4175420	0.03
School (Off-Site)	548120	4175720	13.1	548120	4175720	0.25	548120	4175720	1.7	548120	4175720	0.02
Scenario 4: Construction + Operations (on-site)[f]												
Resident (On-Site)	548060	4175380	110.9	548060	4175400	1.33	548020	4175480	15.8	548060	4175400	0.12
Daycare (On-Site)	548020	4175400	239.5	548020	4175400	1.33	548020	4175400	22.1	548020	4175400	0.12

Scenario/ Receptor Type	Uncontrolled						Controlled[a]					
	Lifetime Excess Cancer Risk[b]			Annual Average $PM_{2.5}$ Concentrations[b]			Lifetime Excess Cancer Risk[b]			Annual Average $PM_{2.5}$ Concentrations[b]		
	UTM–X	UTM–Y	Chances per Million	UTM–X	UTM–Y	Concentration ($\mu g/m^3$)	UTM–X	UTM–Y	Chances per Million	UTM–X	UTM–Y	Concentration ($\mu g/m^3$)
Scenario 5: Operations[g]												
Resident (Off-Site)	548080	4175280	5.5	548080	4175280	0.01	548080	4175280	5.5	548080	4175280	0.01
Resident (On-Site)	548020	4175480	14.8	548020	4175480	0.04	548020	4175480	14.8	548020	4175480	0.04
Daycare (Off-Site)	548140	4175300	1.2	548140	4175300	<0.01	548140	4175300	1.2	548140	4175300	<0.01
Daycare (On-Site)	548000	4175440	7.0	548000	4175440	0.03	548000	4175440	6.9	548000	4175440	0.03
School (Off-Site)	548220	4175720	0.6	548220	4175720	<0.01	548220	4175720	0.5	548220	4175720	<0.01

SOURCE: ESA, 2019.

ABBREVIATIONS:
UTM = Universal Transverse Mercator
UTM – X = eastward-measured distance
UTM – Y = northward-measured distance
$PM_{2.5}$ = fine particulate matter less than 2.5 micrometers in aerodynamic diameter
$\mu g/m^3$ = micrograms per cubic meters
VOC = volatile organic compounds

NOTES:

[a] Controls include: (1) all off-road construction equipment was modeled with Tier 4 Final engine emission standards; (2) all architectural coatings during construction were modeled with a VOC content of 10 grams per liter to represent "super-compliant" low-VOC coatings; and (3) all operational generators were modeled with Tier 4 Final engine emission standards.

[b] **Bold values** = threshold exceedance

[c] Scenario 1: Off-site receptors evaluated starting when construction commences for Phase 1 (March 2021) and exposed to all construction emissions for Phase 1 and Phase 2 (6 years, ending in January 2027).

[d] Scenario 2: On-site receptors present at the project site once Phase 1 is complete evaluated starting when construction for Phase 1 concludes (August 2024) and exposed to all Phase 2 construction emissions (2.5 years, from September 2024 to January 2027).

[e] Scenario 3: Off-site receptors evaluated starting when construction commences and exposed to all construction emissions (one year for Phase 0, 2.5 years for Phase 1, and 2.5 years for Phase 2 for 6 years total) and 27 years of operational emissions (27 years of Phase 1 emissions and 24 years of Phase 2 emissions for 30 years total, beginning in 2021 with construction of Phase 0 and ending in 2051 with operation). This is equivalent to the Scenario 1 plus 24 years of operational exposure.

[f] Scenario 4: On-site receptors present at the project site once Phase 1 is complete evaluated starting when construction for Phase 1 concludes (August 2024) and exposed to all Phase 2 construction emissions (2.5 years, from August 2024 to January 2027) and 30 years of operational emissions (30 years of Phase 1 emissions and 27 years of Phase 2 emissions for 30 years total, beginning in 2024 with Phase 2 construction and ending in 2054 with operation). This is equivalent to the Scenario 2 plus 30 years of operational exposure

[g] Scenario 5: Off-site and on-site receptors evaluated starting when full buildout operation commences (expected to occur as soon as Phase 2 construction concludes in January 2027) and exposed to 30 years of operational emissions (ending in 2056).

TABLE 30
UNCONTROLLED AND CONTROLLED LIFETIME EXCESS CANCER RISK AND AVERAGE ANNUAL $PM_{2.5}$ CONCENTRATIONS FOR THE ADDITIONAL HOUSING OPTION

Scenario/ Receptor Type	Uncontrolled						Controlled[a]					
	Lifetime Excess Cancer Risk[b]			Annual Average $PM_{2.5}$ Concentrations[b]			Lifetime Excess Cancer Risk[b]			Annual Average $PM_{2.5}$ Concentrations[b]		
	UTM–X	UTM–Y	Chances per Million	UTM–X	UTM–Y	Concentration (µg/m³)	UTM–X	UTM–Y	Chances per Million	UTM–X	UTM–Y	Concentration (µg/m³)
Scenario 1: Construction (off-site)[c]												
Resident (Off-Site)	547920	4175540	80.5	547980	4175360	0.72	547920	4175540	8.6	547980	4175360	0.06
Daycare (Off-Site)	547920	4175420	101.7	547920	4175420	0.42	547920	4175420	12.6	547920	4175420	0.04
School (Off-Site)	548120	4175720	14.4	548120	4175720	0.28	548120	4175720	1.6	548120	4175720	0.02
Scenario 2: Construction (on-site)[d]												
Resident (On-Site)	548060	4175380	122.6	548060	4175380	1.49	548060	4175380	10.8	548060	4175380	0.13
Daycare (On-Site)	548020	4175400	267.7	548020	4175400	1.49	548020	4175400	23.5	548020	4175400	0.13
Scenario 3: Construction + Operations (off-site)[e]												
Resident (Off-Site)	547920	4175540	81.3	547980	4175360	0.72	547920	4175500	9.5	548540	4175080	0.06
Daycare (Off-Site)	547920	4175420	102.0	547920	4175420	0.42	547920	4175420	12.8	547920	4175420	0.04
School (Off-Site)	548120	4175720	14.8	548120	4175720	0.28	548120	4175720	1.9	548220	4175720	0.03
Scenario 4: Construction + Operations (on-site)[f]												
Resident (On-Site)	548060	4175380	125.6	548060	4175400	1.49	548020	4175480	22.4	548060	4175400	0.13
Daycare (On-Site)	548020	4175400	269.6	548020	4175400	1.49	548020	4175400	25.3	548020	4175400	0.13

Scenario/ Receptor Type	Uncontrolled						Controlled[a]					
	Lifetime Excess Cancer Risk[b]			Annual Average $PM_{2.5}$ Concentrations[b]			Lifetime Excess Cancer Risk[b]			Annual Average $PM_{2.5}$ Concentrations[b]		
	UTM–X	UTM–Y	Chances per Million	UTM–X	UTM–Y	Concentration ($\mu g/m^3$)	UTM–X	UTM–Y	Chances per Million	UTM–X	UTM–Y	Concentration ($\mu g/m^3$)
Scenario 5: Operations[g]												
Resident (Off-Site)	548080	4175280	7.8	548080	4175280	0.01	548080	4175280	7.7	548080	4175280	0.01
Resident (On-Site)	548020	4175480	25.1	548020	4175480	0.05	548020	4175480	25.0	548020	4175480	0.05
Daycare (Off-Site)	548140	4175300	1.8	548140	4175300	<0.01	548140	4175300	1.7	548140	4175300	<0.01
Daycare (On-Site)	548000	4175440	11.8	548000	4175440	0.05	548000	4175440	11.7	548000	4175440	0.05
School (Off-Site)	548220	4175720	1.0	548220	4175720	<0.01	548220	4175720	0.8	548220	4175720	<0.01

SOURCE: ESA, 2019.

ABBREVIATIONS:
UTM = Universal Transverse Mercator
UTM – X = eastward-measured distance
UTM – Y = northward-measured distance
$PM_{2.5}$ = fine particulate matter less than 2.5 micrometers in aerodynamic diameter
$\mu g/m^3$ = micrograms per cubic meters
VOC = volatile organic compounds

NOTES:

[a] Controls include: (1) all off-road construction equipment was modeled with Tier 4 Final engine emission standards; (2) all architectural coatings during construction were modeled with a VOC content of 10 grams per liter to represent "super-compliant" low-VOC coatings; and (3) all operational generators were modeled with Tier 4 Final engine emission standards.

[b] **Bold values** = threshold exceedance

[c] Scenario 1: Off-site receptors evaluated starting when construction commences for Phase 1 (March 2021) and exposed to all construction emissions for Phase 1 and Phase 2 (6 years, ending in January 2027).

[d] Scenario 2: On-site receptors present at the project site once Phase 1 is complete evaluated starting when construction for Phase 1 concludes (August 2024) and exposed to all Phase 2 construction emissions (2.5 years, from September 2024 to January 2027).

[e] Scenario 3: Off-site receptors evaluated starting when construction commences and exposed to all construction emissions (one year for Phase 0, 2.5 years for Phase 1, and 2.5 years for Phase 2 for 6 years total) and 27 years of operational emissions (27 years of Phase 1 emissions and 24 years of Phase 2 emissions for 30 years total, beginning in 2021 with construction of Phase 0 and ending in 2051 with operation). This is equivalent to the Scenario 1 plus 24 years of operational exposure.

[f] Scenario 4: On-site receptors present at the project site once Phase 1 is complete evaluated starting when construction for Phase 1 concludes (August 2024) and exposed to all Phase 2 construction emissions (2.5 years, from August 2024 to January 2027) and 30 years of operational emissions (30 years of Phase 1 emissions and 27 years of Phase 2 emissions for 30 years total, beginning in 2024 with Phase 2 construction and ending in 2054 with operation). This is equivalent to the Scenario 2 plus 30 years of operational exposure

[g] Scenario 5: Off-site and on-site receptors evaluated starting when full buildout operation commences (expected to occur as soon as Phase 2 construction concludes in January 2027) and exposed to 30 years of operational emissions (ending in 2056).

Receptors Not in the APEZ

The following tables present health risks associated with uncontrolled and controlled project construction and operational activities for those receptors *not within* the APEZ during existing conditions, but which would be *brought into* the APEZ during existing plus proposed project conditions. The tables presented below include:

- **Table 31:** uncontrolled and controlled lifetime excess cancer risk (chances per million) for each exposure scenario for the Developer's Proposed Option, including UTM locations, background risk, project risk, and total cumulative risk.
- **Table 32:** uncontrolled and controlled annual average $PM_{2.5}$ concentrations ($\mu g/m^3$) for each exposure scenario for the Developer's Proposed Option, including UTM locations, background concentrations, project concentrations, and total cumulative concentrations.
- **Table 3533** uncontrolled and controlled lifetime excess cancer risk (chances per million) for each exposure scenario for the Additional Housing Option, including UTM locations, background risk, project risk, and total cumulative risk.
- **Table 34:** uncontrolled and controlled annual average $PM_{2.5}$ concentrations ($\mu g/m^3$) for each exposure scenario for the Additional Housing Option, including UTM locations, background concentrations, project concentrations, and total cumulative concentrations.

TABLE 31
UNCONTROLLED AND CONTROLLED LIFETIME EXCESS CANCER RISK FOR THE DEVELOPER'S PROPOSED OPTION – RECEPTORS NOT LOCATED IN THE APEZ BUT WOULD BE LOCATED IN THE APEZ WITH THE PROJECT

	Lifetime Excess Cancer Risk (chances per million)[a]									
	Uncontrolled					Controlled[b]				
Scenario/Receptor Type	UTM – X	UTM – Y	Background	Project	Total	UTM – X	UTM – Y	Background	Project	Total
Scenario 1: Construction (off-site)[c]										
Resident (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (Off-Site)	547920	4175420	21.9	87.7	*109.6*	547920	4175420	21.9	11.6	*33.5*
School (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Scenario 2: Construction (on-site)[d]										
Resident (On-Site)	548060	4175380	23.7	109.0	*132.6*	548060	4175380	23.7	9.5	*33.2*
Daycare (On-Site)	548020	4175400	21.8	238.4	*260.2*	548020	4175400	21.8	20.9	*42.7*
Scenario 3: Construction + Operations (off-site)[e]										
Resident (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (Off-Site)	547920	4175420	21.9	87.7	*109.6*	547920	4175420	21.9	11.8	*33.6*
School (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Scenario 4: Construction + Operations (on-site)[f]										
Resident (On-Site)	548060	4175380	23.7	110.9	*134.6*	n/a	n/a	n/a	n/a	*n/a*
Daycare (On-Site)	548020	4175400	21.8	239.5	*261.4*	548020	4175400	21.8	22.0	*43.8*
Scenario 5: Operations[g]										
Resident (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Resident (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
School (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*

	Lifetime Excess Cancer Risk (chances per million)[a]									
	Uncontrolled					Controlled[b]				
Scenario/Receptor Type	UTM – X	UTM – Y	Background	Project	Total	UTM – X	UTM – Y	Background	Project	Total

SOURCE: ESA, 2019.

ABBREVIATIONS:
APEZ = Air Pollutant Exposure Zone
UTM = Universal Transverse Mercator
UTM – X = eastward-measured distance
UTM – Y = northward-measured distance
n/a = not applicable (there is no receptor that fits this category)
VOC = volatile organic compounds

NOTES:

[a] **Bold values** = threshold exceedance

[b] Controls include: (1) all off-road construction equipment was modeled with Tier 4 Final engine emission standards; (2) all architectural coatings during construction were modeled with a VOC content of 10 grams per liter to represent "super-compliant" low-VOC coatings; and (3) all operational generators were modeled with Tier 4 Final engine emission standards. Note that for these receptors, the cancer risk from the proposed project combined with the background cancer risk would be less than 100; therefore, these receptors would not be placed in a new APEZ under controlled conditions, and the significance threshold for the project contribution of 10.0 per 1 million would not apply.

[c] Scenario 1: Off-site receptors evaluated starting when construction commences for Phase 1 (March 2021) and exposed to all construction emissions for Phase 1 and Phase 2 (6 years, ending in January 2027).

[d] Scenario 2: On-site receptors present at the project site once Phase 1 is complete evaluated starting when construction for Phase 1 concludes (August 2024) and exposed to all Phase 2 construction emissions (2.5 years, from September 2024 to January 2027).

[e] Scenario 3: Off-site receptors evaluated starting when construction commences and exposed to all construction emissions (one year for Phase 0, 2.5 years for Phase 1, and 2.5 years for Phase 2 for 6 years total) and 27 years of operational emissions (27 years of Phase 1 emissions and 24 years of Phase 2 emissions for 30 years total, beginning in 2021 with construction of Phase 0 and ending in 2051 with operation). This is equivalent to the Scenario 1 plus 24 years of operational exposure.

[f] Scenario 4: On-site receptors present at the project site once Phase 1 is complete evaluated starting when construction for Phase 1 concludes (August 2024) and exposed to all Phase 2 construction emissions (2.5 years, from August 2024 to January 2027) and 30 years of operational emissions (30 years of Phase 1 emissions and 27 years of Phase 2 emissions for 30 years total, beginning in 2024 with Phase 2 construction and ending in 2054 with operation). This is equivalent to the Scenario 2 plus 30 years of operational exposure

[g] Scenario 5: Off-site and on-site receptors evaluated starting when full buildout operation commences (expected to occur as soon as Phase 2 construction concludes in January 2027) and exposed to 30 years of operational emissions (ending in 2056).

TABLE 32
UNCONTROLLED AND CONTROLLED ANNUAL AVERAGE $PM_{2.5}$ CONCENTRATIONS FOR THE DEVELOPER'S PROPOSED OPTION – RECEPTORS NOT LOCATED IN THE APEZ BUT WOULD BE LOCATED IN THE APEZ WITH THE PROJECT

	Annual Average $PM_{2.5}$ Concentrations ($\mu g/m^3$)[a]									
	Uncontrolled					Controlled[b]				
Scenario/Receptor Type	**UTM – X**	**UTM – Y**	**Background**	**Project**	**Total**	**UTM – X**	**UTM – Y**	**Background**	**Project**	**Total**
Scenario 1: Construction (off-site)[c]										
Resident (Off-site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (Off-site)	547920	4175420	8.49	0.38	*8.87*	547920	4175420	8.49	0.03	*8.52*
School (Off-site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Scenario 2: Construction (on-site)[d]										
Resident (On-site)	548060	4175380	8.48	1.33	*9.81*	548060	4175380	8.48	0.12	*8.60*
Daycare (On-site)	548020	4175400	8.46	1.33	*9.79*	548020	4175400	8.46	0.12	*8.57*
Scenario 3: Construction + Operations (off-site)[e]										
Resident (Off-site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (Off-site)	547920	4175420	8.49	0.38	*8.87*	547920	4175420	8.49	0.04	*8.53*
School (Off-site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Scenario 4: Construction + Operations (on-site)[f]										
Resident (On-site)	548060	4175380	8.48	1.33	*9.81*	548060	4175380	8.48	0.12	*8.60*
Daycare (On-site)	548020	4175400	8.46	1.33	*9.79*	548020	4175400	8.46	0.12	*8.58*
Scenario 5: Operations[g]										
Resident (Off-site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Resident (On-site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (Off-site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (On-site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
School (Off-site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*

	Annual Average $PM_{2.5}$ Concentrations ($\mu g/m^3$)[a]									
	Uncontrolled					Controlled[b]				
Scenario/Receptor Type	**UTM – X**	**UTM – Y**	**Background**	**Project**	**Total**	**UTM – X**	**UTM – Y**	**Background**	**Project**	**Total**

SOURCE: ESA, 2019.

ABBREVIATIONS:
APEZ = Air Pollutant Exposure Zone
UTM = Universal Transverse Mercator
UTM – X = eastward-measured distance
UTM – Y = northward-measured distance
$PM_{2.5}$ = fine particulate matter less than 2.5 micrometers in aerodynamic diameter
$\mu g/m^3$ = micrograms per cubic meter
n/a = not applicable (there is no receptor that fits this category)
VOC = volatile organic compounds

NOTES:

a **Bold values** = threshold exceedance

b Controls include: (1) all off-road construction equipment was modeled with Tier 4 Final engine emission standards; (2) all architectural coatings during construction were modeled with a VOC content of 10 grams per liter to represent "super-compliant" low-VOC coatings; and (3) all operational generators were modeled with Tier 4 Final engine emission standards. Note that for these receptors, the $PM_{2.5}$ concentration from the proposed project combined with the background $PM_{2.5}$ would be less than 10 $\mu g/m^3$; therefore, these receptors would not be placed in a new APEZ under controlled conditions, and the significance threshold for the project contribution of 0.2 $\mu g/m^3$ would not apply.

c Scenario 1: Off-site receptors evaluated starting when construction commences for Phase 1 (March 2021) and exposed to all construction emissions for Phase 1 and Phase 2 (6 years, ending in January 2027).

d Scenario 2: On-site receptors present at the project site once Phase 1 is complete evaluated starting when construction for Phase 1 concludes (August 2024) and exposed to all Phase 2 construction emissions (2.5 years, from September 2024 to January 2027).

e Scenario 3: Off-site receptors evaluated starting when construction commences and exposed to all construction emissions (one year for Phase 0, 2.5 years for Phase 1, and 2.5 years for Phase 2 for 6 years total) and 27 years of operational emissions (27 years of Phase 1 emissions and 24 years of Phase 2 emissions for 30 years total, beginning in 2021 with construction of Phase 0 and ending in 2051 with operation). This is equivalent to the Scenario 1 plus 24 years of operational exposure.

f Scenario 4: On-site receptors present at the project site once Phase 1 is complete evaluated starting when construction for Phase 1 concludes (August 2024) and exposed to all Phase 2 construction emissions (2.5 years, from August 2024 to January 2027) and 30 years of operational emissions (30 years of Phase 1 emissions and 27 years of Phase 2 emissions for 30 years total, beginning in 2024 with Phase 2 construction and ending in 2054 with operation). This is equivalent to the Scenario 2 plus 30 years of operational exposure

g Scenario 5: Off-site and on-site receptors evaluated starting when full buildout operation commences (expected to occur as soon as Phase 2 construction concludes in January 2027) and exposed to 30 years of operational emissions (ending in 2056).

TABLE 33
UNCONTROLLED AND CONTROLLED LIFETIME EXCESS CANCER RISK FOR THE ADDITIONAL HOUSING OPTION – RECEPTORS NOT LOCATED IN THE APEZ BUT WOULD BE LOCATED IN THE APEZ WITH THE PROJECT

	Lifetime Excess Cancer Risk (chances per million)[a]									
	Uncontrolled					Controlled[b]				
Scenario/Receptor Type	UTM – X	UTM – Y	Background	Project	Total	UTM – X	UTM – Y	Background	Project	Total
Scenario 1: Construction (off-site)[c]										
Resident (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (Off-Site)	547920	4175420	21.9	101.7	*123.6*	547920	4175420	21.9	12.6	*34.5*
School (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Scenario 2: Construction (on-site)[d]										
Resident (On-Site)	548060	4175380	23.7	122.6	*146.3*	548060	4175380	23.7	10.7	*34.4*
Daycare (On-Site)	548020	4175400	21.8	267.7	*289.5*	548020	4175400	21.8	23.5	*45.3*
Scenario 3: Construction + Operations (off-site)[e]										
Resident (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (Off-Site)	547920	4175420	21.9	102.0	*123.8*	547920	4175420	21.9	12.8	*34.7*
School (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Scenario 4: Construction + Operations (on-site)[f]										
Resident (On-Site)	548060	4175380	23.7	125.6	*149.3*	548060	4175380	23.7	13.4	*37.1*
Daycare (On-Site)	548020	4175400	21.8	269.6	*291.4*	548020	4175400	21.8	25.3	*47.1*
Scenario 5: Operations[g]										
Resident (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Resident (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
School (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*

	Lifetime Excess Cancer Risk (chances per million)[a]									
	Uncontrolled					Controlled[b]				
Scenario/Receptor Type	UTM – X	UTM – Y	Background	Project	Total	UTM – X	UTM – Y	Background	Project	Total

SOURCE: ESA, 2019.

ABBREVIATIONS:
APEZ = Air Pollutant Exposure Zone
UTM = Universal Transverse Mercator
UTM – X = eastward-measured distance
UTM – Y = northward-measured distance
n/a = not applicable (there is no receptor that fits this category)
VOC = volatile organic compounds

NOTES:

[a] **Bold values** = threshold exceedance

[b] Controls include: (1) all off-road construction equipment was modeled with Tier 4 Final engine emission standards; (2) all architectural coatings during construction were modeled with a VOC content of 10 grams per liter to represent "super-compliant" low-VOC coatings; and (3) all operational generators were modeled with Tier 4 Final engine emission standards. Note that for these receptors, the cancer risk from the proposed project combined with the background cancer risk would be less than 100; therefore, these receptors would not be placed in a new APEZ under controlled conditions, and the significance threshold for the project contribution of 10.0 per 1 million would not apply.

[c] Scenario 1: Off-site receptors evaluated starting when construction commences for Phase 1 (March 2021) and exposed to all construction emissions for Phase 1 and Phase 2 (6 years, ending in January 2027).

[d] Scenario 2: On-site receptors present at the project site once Phase 1 is complete evaluated starting when construction for Phase 1 concludes (August 2024) and exposed to all Phase 2 construction emissions (2.5 years, from September 2024 to January 2027).

[e] Scenario 3: Off-site receptors evaluated starting when construction commences and exposed to all construction emissions (one year for Phase 0, 2.5 years for Phase 1, and 2.5 years for Phase 2 for 6 years total) and 27 years of operational emissions (27 years of Phase 1 emissions and 24 years of Phase 2 emissions for 30 years total, beginning in 2021 with construction of Phase 0 and ending in 2051 with operation). This is equivalent to the Scenario 1 plus 24 years of operational exposure.

[f] Scenario 4: On-site receptors present at the project site once Phase 1 is complete evaluated starting when construction for Phase 1 concludes (August 2024) and exposed to all Phase 2 construction emissions (2.5 years, from August 2024 to January 2027) and 30 years of operational emissions (30 years of Phase 1 emissions and 27 years of Phase 2 emissions for 30 years total, beginning in 2024 with Phase 2 construction and ending in 2054 with operation). This is equivalent to the Scenario 2 plus 30 years of operational exposure

[g] Scenario 5: Off-site and on-site receptors evaluated starting when full buildout operation commences (expected to occur as soon as Phase 2 construction concludes in January 2027) and exposed to 30 years of operational emissions (ending in 2056).

TABLE 34
UNCONTROLLED AND CONTROLLED ANNUAL AVERAGE $PM_{2.5}$ CONCENTRATIONS FOR THE ADDITIONAL HOUSING OPTION – RECEPTORS NOT LOCATED IN THE APEZ BUT WOULD BE LOCATED IN THE APEZ WITH THE PROJECT

	Annual Average $PM_{2.5}$ Concentrations ($\mu g/m^3$)[a]									
	Uncontrolled					Controlled[b]				
Scenario/Receptor Type	**UTM – X**	**UTM – Y**	**Background**	**Project**	**Total**	**UTM – X**	**UTM – Y**	**Background**	**Project**	**Total**
Scenario 1: Construction (off-site)[c]										
Resident (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (Off-Site)	547920	4175420	8.49	0.42	*8.91*	547920	4175420	8.49	0.04	*8.53*
School (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Scenario 2: Construction (on-site)[d]										
Resident (On-Site)	548060	4175380	8.48	1.49	*9.97*	548060	4175380	8.48	0.13	*8.61*
Daycare (On-Site)	548020	4175400	8.46	1.49	*9.95*	548020	4175400	8.46	0.13	*8.59*
Scenario 3: Construction + Operations (off-site)[e]										
Resident (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (Off-Site)	547920	4175420	8.49	0.43	*8.92*	547920	4175420	8.49	0.04	*8.53*
School (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Scenario 4: Construction + Operations (on-site)[f]										
Resident (On-Site)	548060	4175380	8.48	1.49	*9.98*	548060	4175380	8.48	0.14	*8.62*
Daycare (On-Site)	548020	4175400	8.46	1.50	*9.95*	548020	4175400	8.46	0.14	*8.60*
Scenario 5: Operations[g]										
Resident (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Resident (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
School (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*

	Annual Average $PM_{2.5}$ Concentrations ($\mu g/m^3$)[a]									
	Uncontrolled					Controlled[b]				
Scenario/Receptor Type	**UTM – X**	**UTM – Y**	**Background**	**Project**	**Total**	**UTM – X**	**UTM – Y**	**Background**	**Project**	**Total**

SOURCE: ESA, 2019.

ABBREVIATIONS:
APEZ = Air Pollutant Exposure Zone
UTM = Universal Transverse Mercator
UTM – X = eastward-measured distance
UTM – Y = northward-measured distance
$PM_{2.5}$ = fine particulate matter less than 2.5 micrometers in aerodynamic diameter
$\mu g/m^3$ = micrograms per cubic meter
n/a = not applicable (there is no receptor that fits this category)
VOC = volatile organic compounds

NOTES:

[a] **Bold values** = threshold exceedance

[b] Controls include: (1) all off-road construction equipment was modeled with Tier 4 Final engine emission standards; (2) all architectural coatings during construction were modeled with a VOC content of 10 grams per liter to represent "super-compliant" low-VOC coatings; and (3) all operational generators were modeled with Tier 4 Final engine emission standards. Note that for these receptors, the $PM_{2.5}$ concentration from the proposed project combined with the background $PM_{2.5}$ would be less than 10 $\mu g/m^3$; therefore, these receptors would not be placed in a new APEZ under controlled conditions, and the significance threshold for the project contribution of 0.2 $\mu g/m^3$ would not apply.

[c] Scenario 1: Off-site receptors evaluated starting when construction commences for Phase 1 (March 2021) and exposed to all construction emissions for Phase 1 and Phase 2 (6 years, ending in January 2027).

[d] Scenario 2: On-site receptors present at the project site once Phase 1 is complete evaluated starting when construction for Phase 1 concludes (August 2024) and exposed to all Phase 2 construction emissions (2.5 years, from September 2024 to January 2027).

[e] Scenario 3: Off-site receptors evaluated starting when construction commences and exposed to all construction emissions (one year for Phase 0, 2.5 years for Phase 1, and 2.5 years for Phase 2 for 6 years total) and 27 years of operational emissions (27 years of Phase 1 emissions and 24 years of Phase 2 emissions for 30 years total, beginning in 2021 with construction of Phase 0 and ending in 2051 with operation). This is equivalent to the Scenario 1 plus 24 years of operational exposure.

[f] Scenario 4: On-site receptors present at the project site once Phase 1 is complete evaluated starting when construction for Phase 1 concludes (August 2024) and exposed to all Phase 2 construction emissions (2.5 years, from August 2024 to January 2027) and 30 years of operational emissions (30 years of Phase 1 emissions and 27 years of Phase 2 emissions for 30 years total, beginning in 2024 with Phase 2 construction and ending in 2054 with operation). This is equivalent to the Scenario 2 plus 30 years of operational exposure

[g] Scenario 5: Off-site and on-site receptors evaluated starting when full buildout operation commences (expected to occur as soon as Phase 2 construction concludes in January 2027) and exposed to 30 years of operational emissions (ending in 2056).

Receptors in the APEZ

The following tables present health risks associated with uncontrolled and controlled project construction and operational activities for those receptors located *within* the APEZ during existing conditions and which would continue to be located within the APEZ during existing plus proposed project conditions. The tables presented below include:

- **Table 35:** uncontrolled and controlled lifetime excess cancer risk (chances per million) for each exposure scenario for the Developer's Proposed Option, including UTM locations, background risk, project risk, and total cumulative risk.
- **Table 36:** uncontrolled and controlled annual average $PM_{2.5}$ concentrations ($\mu g/m^3$) for each exposure scenario for the Developer's Proposed Option, including UTM locations, background concentrations, project concentrations, and total cumulative concentrations.
- **Table 37:** uncontrolled and controlled lifetime excess cancer risk (chances per million) for each exposure scenario for the Additional Housing Option, including UTM locations, background risk, project risk, and total cumulative risk.
- **Table 38:** uncontrolled and controlled annual average $PM_{2.5}$ concentrations ($\mu g/m^3$) for each exposure scenario for the Additional Housing Option, including UTM locations, background concentrations, project concentrations, and total cumulative concentrations.

TABLE 35
UNCONTROLLED AND CONTROLLED LIFETIME EXCESS CANCER RISK FOR THE DEVELOPER'S PROPOSED OPTION – RECEPTORS LOCATED IN THE APEZ

	Lifetime Excess Cancer Risk (chances per million)[a]									
	Uncontrolled					Controlled[b]				
Scenario/Receptor Type	**UTM – X**	**UTM – Y**	**Background**	**Project**	**Total**	**UTM – X**	**UTM – Y**	**Background**	**Project**	**Total**
Scenario 1: Construction (off-site)[c]										
Resident (Off-Site)	548700	4175440	74.0	4.2	*78.2*	548700	4175440	74.0	0.5	*74.5*
Daycare (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
School (Off-Site)	548520	4175180	36.6	1.1	*37.7*	548520	4175180	36.6	0.1	*36.7*
Scenario 2: Construction (on-site)[d]										
Resident (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Scenario 3: Construction + Operations (off-site)[e]										
Resident (Off-Site)	548700	4175440	74.0	4.4	*78.4*	548580	4175080	56.6	1.4	*58.0*
Daycare (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
School (Off-Site)	548520	4175180	36.6	1.3	*37.8*	548520	4175180	36.6	0.3	*36.8*
Scenario 4: Construction + Operations (on-site)[f]										
Resident (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Scenario 5: Operations[g]										
Resident (Off-Site)	548580	4175080	56.6	2.4	*59.0*	548580	4175080	56.6	2.4	*59.0*
Resident (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
School (Off-Site)	548520	4175180	36.6	0.2	*36.8*	548520	4175180	36.6	0.2	*36.8*

	Lifetime Excess Cancer Risk (chances per million)[a]									
	Uncontrolled					Controlled[b]				
Scenario/Receptor Type	UTM – X	UTM – Y	Background	Project	Total	UTM – X	UTM – Y	Background	Project	Total

SOURCE: ESA, 2019.

ABBREVIATIONS:
APEZ = Air Pollutant Exposure Zone
UTM = Universal Transverse Mercator
UTM – X = eastward-measured distance
UTM – Y = northward-measured distance
n/a = not applicable (there is no receptor that fits this category)
VOC = volatile organic compounds

NOTES:

[a] **Bold values** = threshold exceedance
[b] Controls include: (1) all off-road construction equipment was modeled with Tier 4 Final engine emission standards; (2) all architectural coatings during construction were modeled with a VOC content of 10 grams per liter to represent "super-compliant" low-VOC coatings; and (3) all operational generators were modeled with Tier 4 Final engine emission standards.
[c] Scenario 1: Off-site receptors evaluated starting when construction commences for Phase 1 (March 2021) and exposed to all construction emissions for Phase 1 and Phase 2 (6 years, ending in January 2027).
[d] Scenario 2: On-site receptors present at the project site once Phase 1 is complete evaluated starting when construction for Phase 1 concludes (August 2024) and exposed to all Phase 2 construction emissions (2.5 years, from September 2024 to January 2027).
[e] Scenario 3: Off-site receptors evaluated starting when construction commences and exposed to all construction emissions (one year for Phase 0, 2.5 years for Phase 1, and 2.5 years for Phase 2 for 6 years total) and 27 years of operational emissions (27 years of Phase 1 emissions and 24 years of Phase 2 emissions for 30 years total, beginning in 2021 with construction of Phase 0 and ending in 2051 with operation). This is equivalent to the Scenario 1 plus 24 years of operational exposure.
[f] Scenario 4: On-site receptors present at the project site once Phase 1 is complete evaluated starting when construction for Phase 1 concludes (August 2024) and exposed to all Phase 2 construction emissions (2.5 years, from August 2024 to January 2027) and 30 years of operational emissions (30 years of Phase 1 emissions and 27 years of Phase 2 emissions for 30 years total, beginning in 2024 with Phase 2 construction and ending in 2054 with operation). This is equivalent to the Scenario 2 plus 30 years of operational exposure
[g] Scenario 5: Off-site and on-site receptors evaluated starting when full buildout operation commences (expected to occur as soon as Phase 2 construction concludes in January 2027) and exposed to 30 years of operational emissions (ending in 2056).

TABLE 36
UNCONTROLLED AND CONTROLLED ANNUAL AVERAGE $PM_{2.5}$ CONCENTRATIONS FOR THE DEVELOPER'S PROPOSED OPTION – RECEPTORS LOCATED IN THE APEZ

	Annual Average $PM_{2.5}$ Concentrations ($\mu g/m^3$)[a]									
	Uncontrolled					Controlled[b]				
Scenario/Receptor Type	**UTM – X**	**UTM – Y**	**Background**	**Project**	**Total**	**UTM – X**	**UTM – Y**	**Background**	**Project**	**Total**
Scenario 1: Construction (off-site)[c]										
Resident (Off-Site)	548700	4175440	9.54	0.02	*9.56*	548700	4175440	9.54	<0.01	*9.54*
Daycare (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
School (Off-Site)	548520	4175180	8.77	0.02	*8.79*	548520	4175180	8.77	<0.01	*8.77*
Scenario 2: Construction (on-site)[d]										
Resident (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Scenario 3: Construction + Operations (off-site)[e]										
Resident (Off-Site)	548700	4175440	9.54	0.02	*9.56*	548580	4175080	9.21	<0.01	*9.21*
Daycare (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
School (Off-Site)	548520	4175180	8.77	0.02	*8.79*	548520	4175180	8.77	<0.01	*8.78*
Scenario 4: Construction + Operations (on-site)[f]										
Resident (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Scenario 5: Operations[g]										
Resident (Off-Site)	548580	4175080	9.21	<0.01	*9.21*	548580	4175080	9.21	<0.01	*9.21*
Resident (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
School (Off-Site)	548520	4175180	8.77	<0.01	*8.78*	548520	4175180	8.77	<0.01	*8.77*

Scenario/Receptor Type	Annual Average $PM_{2.5}$ Concentrations ($\mu g/m^3$)[a]									
	Uncontrolled					Controlled[b]				
	UTM – X	UTM – Y	Background	Project	Total	UTM – X	UTM – Y	Background	Project	Total

SOURCE: ESA, 2019.

ABBREVIATIONS:
APEZ = Air Pollutant Exposure Zone
UTM = Universal Transverse Mercator
UTM – X = eastward-measured distance
UTM – Y = northward-measured distance
$PM_{2.5}$ = fine particulate matter less than 2.5 micrometers in aerodynamic diameter
n/a = not applicable (there is no receptor that fits this category)
VOC = volatile organic compounds

NOTES:

a **Bold values** = threshold exceedance

b Controls include: (1) all off-road construction equipment was modeled with Tier 4 Final engine emission standards; (2) all architectural coatings during construction were modeled with a VOC content of 10 grams per liter to represent "super-compliant" low-VOC coatings; and (3) all operational generators were modeled with Tier 4 Final engine emission standards.

c Scenario 1: Off-site receptors evaluated starting when construction commences for Phase 1 (March 2021) and exposed to all construction emissions for Phase 1 and Phase 2 (6 years, ending in January 2027).

d Scenario 2: On-site receptors present at the project site once Phase 1 is complete evaluated starting when construction for Phase 1 concludes (August 2024) and exposed to all Phase 2 construction emissions (2.5 years, from September 2024 to January 2027).

e Scenario 3: Off-site receptors evaluated starting when construction commences and exposed to all construction emissions (one year for Phase 0, 2.5 years for Phase 1, and 2.5 years for Phase 2 for 6 years total) and 27 years of operational emissions (27 years of Phase 1 emissions and 24 years of Phase 2 emissions for 30 years total, beginning in 2021 with construction of Phase 0 and ending in 2051 with operation). This is equivalent to the Scenario 1 plus 24 years of operational exposure.

f Scenario 4: On-site receptors present at the project site once Phase 1 is complete evaluated starting when construction for Phase 1 concludes (August 2024) and exposed to all Phase 2 construction emissions (2.5 years, from August 2024 to January 2027) and 30 years of operational emissions (30 years of Phase 1 emissions and 27 years of Phase 2 emissions for 30 years total, beginning in 2024 with Phase 2 construction and ending in 2054 with operation). This is equivalent to the Scenario 2 plus 30 years of operational exposure

g Scenario 5: Off-site and on-site receptors evaluated starting when full buildout operation commences (expected to occur as soon as Phase 2 construction concludes in January 2027) and exposed to 30 years of operational emissions (ending in 2056).

TABLE 37
UNCONTROLLED AND CONTROLLED LIFETIME EXCESS CANCER RISK FOR THE ADDITIONAL HOUSING OPTION – RECEPTORS LOCATED IN THE APEZ

	Lifetime Excess Cancer Risk (chances per million)[a]									
	Uncontrolled					Controlled[b]				
Scenario/Receptor Type	**UTM – X**	**UTM – Y**	**Background**	**Project**	**Total**	**UTM – X**	**UTM – Y**	**Background**	**Project**	**Total**
Scenario 1: Construction (off-site)[c]										
Resident (Off-Site)	548700	4175440	74.0	4.9	*78.9*	548700	4175440	74.0	0.6	*74.6*
Daycare (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
School (Off-Site)	548520	4175180	36.6	1.3	*37.8*	548520	4175180	36.6	0.1	*36.7*
Scenario 2: Construction (on-site)[d]										
Resident (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Scenario 3: Construction + Operations (off-site)[e]										
Resident (Off-Site)	548700	4175440	74.0	5.4	*79.4*	548580	4175080	56.6	1.9	*58.5*
Daycare (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
School (Off-Site)	548520	4175180	36.6	1.5	*38.0*	548520	4175180	36.6	0.4	*36.9*
Scenario 4: Construction + Operations (on-site)[f]										
Resident (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Scenario 5: Operations[g]										
Resident (Off-Site)	548580	4175080	56.6	3.4	*60.0*	548580	4175080	56.6	3.4	*60.0*
Resident (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
School (Off-Site)	548520	4175180	36.6	0.3	*36.9*	548520	4175180	36.6	0.3	*36.9*

	Lifetime Excess Cancer Risk (chances per million)[a]									
	Uncontrolled					Controlled[b]				
Scenario/Receptor Type	UTM – X	UTM – Y	Background	Project	Total	UTM – X	UTM – Y	Background	Project	Total

SOURCE: ESA, 2019.

ABBREVIATIONS:
APEZ = Air Pollutant Exposure Zone
UTM = Universal Transverse Mercator
UTM – X = eastward-measured distance
UTM – Y = northward-measured distance
n/a = not applicable (there is no receptor that fits this category)
VOC = volatile organic compounds

NOTES:

a **Bold values** = threshold exceedance

b Controls include: (1) all off-road construction equipment was modeled with Tier 4 Final engine emission standards; (2) all architectural coatings during construction were modeled with a VOC content of 10 grams per liter to represent "super-compliant" low-VOC coatings; and (3) all operational generators were modeled with Tier 4 Final engine emission standards.

c Scenario 1: Off-site receptors evaluated starting when construction commences for Phase 1 (March 2021) and exposed to all construction emissions for Phase 1 and Phase 2 (6 years, ending in January 2027).

d Scenario 2: On-site receptors present at the project site once Phase 1 is complete evaluated starting when construction for Phase 1 concludes (August 2024) and exposed to all Phase 2 construction emissions (2.5 years, from September 2024 to January 2027).

e Scenario 3: Off-site receptors evaluated starting when construction commences and exposed to all construction emissions (one year for Phase 0, 2.5 years for Phase 1, and 2.5 years for Phase 2 for 6 years total) and 27 years of operational emissions (27 years of Phase 1 emissions and 24 years of Phase 2 emissions for 30 years total, beginning in 2021 with construction of Phase 0 and ending in 2051 with operation). This is equivalent to the Scenario 1 plus 24 years of operational exposure.

f Scenario 4: On-site receptors present at the project site once Phase 1 is complete evaluated starting when construction for Phase 1 concludes (August 2024) and exposed to all Phase 2 construction emissions (2.5 years, from August 2024 to January 2027) and 30 years of operational emissions (30 years of Phase 1 emissions and 27 years of Phase 2 emissions for 30 years total, beginning in 2024 with Phase 2 construction and ending in 2054 with operation). This is equivalent to the Scenario 2 plus 30 years of operational exposure.

g Scenario 5: Off-site and on-site receptors evaluated starting when full buildout operation commences (expected to occur as soon as Phase 2 construction concludes in January 2027) and exposed to 30 years of operational emissions (ending in 2056).

TABLE 38
UNCONTROLLED AND CONTROLLED ANNUAL AVERAGE $PM_{2.5}$ CONCENTRATIONS FOR THE ADDITIONAL HOUSING OPTION – RECEPTORS LOCATED IN THE APEZ

	Annual Average $PM_{2.5}$ Concentrations ($\mu g/m^3$)[a]									
	Uncontrolled					Controlled[b]				
Scenario/Receptor Type	**UTM – X**	**UTM – Y**	**Background**	**Project**	**Total**	**UTM – X**	**UTM – Y**	**Background**	**Project**	**Total**
Scenario 1: Construction (off-site)[c]										
Resident (Off-Site)	548700	4175440	9.54	0.03	*9.56*	548700	4175440	9.54	<0.01	*9.54*
Daycare (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
School (Off-Site)	548520	4175180	8.77	0.02	*8.79*	548520	4175180	8.77	<0.01	*8.78*
Scenario 2: Construction (on-site)[d]										
Resident (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Scenario 3: Construction + Operations (off-site)[e]										
Resident (Off-Site)	548700	4175440	9.54	0.03	*9.57*	548580	4175080	9.21	<0.01	*9.21*
Daycare (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
School (Off-Site)	548520	4175180	8.77	0.02	*8.80*	548520	4175180	8.77	<0.01	*8.78*
Scenario 4: Construction + Operations (on-site)[f]										
Resident (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Scenario 5: Operations[g]										
Resident (Off-Site)	548580	4175080	9.21	<0.01	*9.21*	548580	4175080	9.21	<0.01	*9.21*
Resident (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (Off-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
Daycare (On-Site)	n/a	n/a	n/a	n/a	*n/a*	n/a	n/a	n/a	n/a	*n/a*
School (Off-Site)	548520	4175180	8.77	<0.01	*8.78*	548520	4175180	8.77	<0.01	*8.78*

Scenario/Receptor Type	Annual Average $PM_{2.5}$ Concentrations ($\mu g/m^3$)[a]									
	Uncontrolled					Controlled[b]				
	UTM – X	UTM – Y	Background	Project	Total	UTM – X	UTM – Y	Background	Project	Total

SOURCE: ESA, 2019.

ABBREVIATIONS:
APEZ = Air Pollutant Exposure Zone
UTM = Universal Transverse Mercator
UTM – X = eastward-measured distance
UTM – Y = northward-measured distance
$PM_{2.5}$ = fine particulate matter less than 2.5 micrometers in aerodynamic diameter
n/a = not applicable (there is no receptor that fits this category)
VOC = volatile organic compounds

NOTES:

a **Bold values** = threshold exceedance

b Controls include: (1) all off-road construction equipment was modeled with Tier 4 Final engine emission standards; (2) all architectural coatings during construction were modeled with a VOC content of 10 grams per liter to represent "super-compliant" low-VOC coatings; and (3) all operational generators were modeled with Tier 4 Final engine emission standards.

c Scenario 1: Off-site receptors evaluated starting when construction commences for Phase 1 (March 2021) and exposed to all construction emissions for Phase 1 and Phase 2 (6 years, ending in January 2027).

d Scenario 2: On-site receptors present at the project site once Phase 1 is complete evaluated starting when construction for Phase 1 concludes (August 2024) and exposed to all Phase 2 construction emissions (2.5 years, from September 2024 to January 2027).

e Scenario 3: Off-site receptors evaluated starting when construction commences and exposed to all construction emissions (one year for Phase 0, 2.5 years for Phase 1, and 2.5 years for Phase 2 for 6 years total) and 27 years of operational emissions (27 years of Phase 1 emissions and 24 years of Phase 2 emissions for 30 years total, beginning in 2021 with construction of Phase 0 and ending in 2051 with operation). This is equivalent to the Scenario 1 plus 24 years of operational exposure.

f Scenario 4: On-site receptors present at the project site once Phase 1 is complete evaluated starting when construction for Phase 1 concludes (August 2024) and exposed to all Phase 2 construction emissions (2.5 years, from August 2024 to January 2027) and 30 years of operational emissions (30 years of Phase 1 emissions and 27 years of Phase 2 emissions for 30 years total, beginning in 2024 with Phase 2 construction and ending in 2054 with operation). This is equivalent to the Scenario 2 plus 30 years of operational exposure

g Scenario 5: Off-site and on-site receptors evaluated starting when full buildout operation commences (expected to occur as soon as Phase 2 construction concludes in January 2027) and exposed to 30 years of operational emissions (ending in 2056).

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Appendix A

Emissions Calculations

A1 CalEEMod Output: Developer's Proposed Option – Unmitigated Construction Emissions
A2 CalEEMod Output: Developer's Proposed Option – Mitigated Construction Emissions
A3 CalEEMod Output: Additional Housing Option – Unmitigated Construction Emissions
A4 CalEEMod Output: Additional Housing Option – Mitigated Construction Emissions
A5 CalEEMod Output: Developer's Proposed Option – Operational Emissions – Phase 1
A6 CalEEMod Output: Developer's Proposed Option – Operational Emissions – Full Buildout
A7 CalEEMod Output: Additional Housing Option – Operational Emissions – Phase 1
A8 CalEEMod Output: Additional Housing Option – Operational Emissions – Full Buildout
A9 Construction Haul Truck Idling Emissions
A10 Operational Delivery Vehicle Emissions
A11 Operational Generator Emissions
A12 Operational Mobile Fleet Mix Calculations

A1 CalEEMod Output: Developer's Proposed Option – Unmitigated Construction Emissions

Balboa Reservoir-Unmitigated Developer Option Construction

San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Day-Care Center	10.00	1000sqft	0.00	10,000.00	0
Enclosed Parking with Elevator	1,300.00	Space	0.00	339,900.00	0
Other Asphalt Surfaces	4.00	Acre	4.00	174,240.00	0
City Park	4.00	Acre	4.00	174,240.00	0
Apartments Mid Rise	1,100.00	Dwelling Unit	13.00	1,283,000.00	3146
Strip Mall	7.50	1000sqft	0.00	7,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	4.6	**Precipitation Freq (Days)**	64
Climate Zone	5			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project Specific Information

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	8,750.00	0.00

tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	8,750.00	3,750.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	8,750.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	8,750.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	8,750.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	8,750.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	8,750.00	5,000.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	26,250.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	26,250.00	11,250.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	26,250.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	26,250.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	26,250.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	26,250.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	26,250.00	15,000.00
tblArchitecturalCoating	ConstArea_Parking	30,848.00	0.00
tblArchitecturalCoating	ConstArea_Parking	30,848.00	0.00
tblArchitecturalCoating	ConstArea_Parking	30,848.00	0.00
tblArchitecturalCoating	ConstArea_Parking	30,848.00	0.00
tblArchitecturalCoating	ConstArea_Parking	30,848.00	0.00
tblArchitecturalCoating	ConstArea_Parking	30,848.00	0.00
tblArchitecturalCoating	ConstArea_Parking	30,848.00	20,394.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	866,025.00	83,700.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	866,025.00	189,675.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	866,025.00	65,137.50
tblArchitecturalCoating	ConstArea_Residential_Exterior	866,025.00	120,150.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	866,025.00	291,600.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	866,025.00	65,137.50
tblArchitecturalCoating	ConstArea_Residential_Exterior	866,025.00	50,625.00

tblArchitecturalCoating	ConstArea_Residential_Interior	2,598,075.00	251,100.00
tblArchitecturalCoating	ConstArea_Residential_Interior	2,598,075.00	569,025.00
tblArchitecturalCoating	ConstArea_Residential_Interior	2,598,075.00	195,412.50
tblArchitecturalCoating	ConstArea_Residential_Interior	2,598,075.00	360,450.00
tblArchitecturalCoating	ConstArea_Residential_Interior	2,598,075.00	874,800.00
tblArchitecturalCoating	ConstArea_Residential_Interior	2,598,075.00	195,412.50
tblArchitecturalCoating	ConstArea_Residential_Interior	2,598,075.00	151,875.00
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	16.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	150.00
tblConstructionPhase	NumDays	20.00	152.00
tblConstructionPhase	NumDays	20.00	175.00
tblConstructionPhase	NumDays	20.00	152.00
tblConstructionPhase	NumDays	20.00	152.00
tblConstructionPhase	NumDays	20.00	152.00
tblConstructionPhase	NumDays	20.00	196.00
tblConstructionPhase	NumDays	370.00	522.00

tblConstructionPhase	NumDays	370.00	500.00
tblConstructionPhase	NumDays	370.00	282.00
tblConstructionPhase	NumDays	370.00	108.00
tblConstructionPhase	NumDays	370.00	109.00
tblConstructionPhase	NumDays	370.00	131.00
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tblConstructionPhase	NumDays	370.00	154.00
tblConstructionPhase	NumDays	370.00	132.00
tblConstructionPhase	NumDays	370.00	88.00
tblConstructionPhase	NumDays	370.00	153.00
tblConstructionPhase	NumDays	35.00	220.00
tblConstructionPhase	NumDays	10.00	65.00
tblConstructionPhase	NumDays	10.00	173.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
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tblLandUse	LandUseSquareFeet	1,100,000.00	1,283,000.00
tblLandUse	LotAcreage	0.23	0.00
tblLandUse	LotAcreage	11.70	0.00
tblLandUse	LotAcreage	28.95	13.00
tblLandUse	LotAcreage	0.17	0.00

tblOffRoadEquipment	HorsePower	158.00	325.00
tblOffRoadEquipment	HorsePower	187.00	330.00
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tblOffRoadEquipment	HorsePower	97.00	250.00
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tblOffRoadEquipment	HorsePower	97.00	250.00
tblOffRoadEquipment	HorsePower	97.00	250.00
tblOffRoadEquipment	HorsePower	97.00	250.00
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tblOffRoadEquipment	HorsePower	212.00	400.00
tblOffRoadEquipment	HorsePower	212.00	400.00
tblOffRoadEquipment	HorsePower	85.00	350.00
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tblOffRoadEquipment	HorsePower	158.00	325.00
tblOffRoadEquipment	HorsePower	158.00	325.00
tblOffRoadEquipment	HorsePower	158.00	250.00
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tblOffRoadEquipment	HorsePower	158.00	325.00
tblOffRoadEquipment	HorsePower	158.00	325.00
tblOffRoadEquipment	HorsePower	158.00	325.00
tblOffRoadEquipment	HorsePower	172.00	350.00
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tblOffRoadEquipment	LoadFactor	0.37	0.25

tblOffRoadEquipment	LoadFactor	0.37	0.25
tblOffRoadEquipment	LoadFactor	0.37	0.25
tblOffRoadEquipment	LoadFactor	0.37	0.25
tblOffRoadEquipment	LoadFactor	0.37	0.25
tblOffRoadEquipment	LoadFactor	0.37	0.25
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tblOffRoadEquipment	LoadFactor	0.43	1.00
tblOffRoadEquipment	LoadFactor	0.43	1.00
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tblOffRoadEquipment	LoadFactor	0.38	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.50
tblOffRoadEquipment	LoadFactor	0.42	0.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
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tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.20
tblOffRoadEquipment	UsageHours	8.00	7.20
tblOffRoadEquipment	UsageHours	7.00	6.40
tblOffRoadEquipment	UsageHours	7.00	2.29
tblOffRoadEquipment	UsageHours	7.00	2.29
tblOffRoadEquipment	UsageHours	7.00	3.43

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tblOffRoadEquipment	UsageHours	7.00	2.29
tblOffRoadEquipment	UsageHours	7.00	2.67
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripLength	20.00	22.00
tblTripsAndVMT	HaulingTripNumber	0.00	34.00
tblTripsAndVMT	HaulingTripNumber	0.00	9,500.00
tblTripsAndVMT	HaulingTripNumber	0.00	34.00
tblTripsAndVMT	VendorTripNumber	233.00	40.00
tblTripsAndVMT	VendorTripNumber	233.00	62.00
tblTripsAndVMT	VendorTripNumber	233.00	28.00
tblTripsAndVMT	VendorTripNumber	233.00	43.00
tblTripsAndVMT	VendorTripNumber	0.00	28.00
tblTripsAndVMT	VendorTripNumber	233.00	43.00
tblTripsAndVMT	VendorTripNumber	233.00	43.00
tblTripsAndVMT	VendorTripNumber	0.00	62.00
tblTripsAndVMT	VendorTripNumber	233.00	43.00
tblTripsAndVMT	VendorTripNumber	233.00	43.00
tblTripsAndVMT	VendorTripNumber	233.00	0.00
tblTripsAndVMT	VendorTripNumber	233.00	102.00
tblTripsAndVMT	VendorTripNumber	233.00	67.00
tblTripsAndVMT	VendorTripNumber	233.00	102.00
tblTripsAndVMT	VendorTripNumber	233.00	67.00
tblTripsAndVMT	VendorTripNumber	233.00	62.00
tblTripsAndVMT	VendorTripNumber	233.00	28.00
tblTripsAndVMT	VendorTripNumber	233.00	40.00
tblTripsAndVMT	VendorTripNumber	233.00	43.00
tblTripsAndVMT	VendorTripNumber	233.00	43.00

tblTripsAndVMT	WorkerTripNumber	20.00	60.00
tblTripsAndVMT	WorkerTripNumber	1,088.00	162.00
tblTripsAndVMT	WorkerTripNumber	1,088.00	254.00
tblTripsAndVMT	WorkerTripNumber	1,088.00	112.00
tblTripsAndVMT	WorkerTripNumber	218.00	174.00
tblTripsAndVMT	WorkerTripNumber	1,088.00	174.00
tblTripsAndVMT	WorkerTripNumber	218.00	112.00
tblTripsAndVMT	WorkerTripNumber	1,088.00	174.00
tblTripsAndVMT	WorkerTripNumber	1,088.00	174.00
tblTripsAndVMT	WorkerTripNumber	218.00	162.00
tblTripsAndVMT	WorkerTripNumber	218.00	254.00
tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblTripsAndVMT	WorkerTripNumber	218.00	174.00
tblTripsAndVMT	WorkerTripNumber	1,088.00	174.00
tblTripsAndVMT	WorkerTripNumber	1,088.00	174.00
tblTripsAndVMT	WorkerTripNumber	1,088.00	0.00
tblTripsAndVMT	WorkerTripNumber	1,088.00	390.00
tblTripsAndVMT	WorkerTripNumber	1,088.00	194.00
tblTripsAndVMT	WorkerTripNumber	1,088.00	390.00
tblTripsAndVMT	WorkerTripNumber	1,088.00	194.00
tblTripsAndVMT	WorkerTripNumber	218.00	194.00
tblTripsAndVMT	WorkerTripNumber	218.00	390.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	8.00	20.00
tblTripsAndVMT	WorkerTripNumber	1,088.00	254.00
tblTripsAndVMT	WorkerTripNumber	1,088.00	112.00
tblTripsAndVMT	WorkerTripNumber	1,088.00	162.00

tblTripsAndVMT	WorkerTripNumber	1,088.00	174.00
tblTripsAndVMT	WorkerTripNumber	1,088.00	174.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.9204	9.6554	6.2144	0.0181	0.2367	0.3687	0.6053	0.0355	0.3401	0.3756	0.0000	1,598.9047	1,598.9047	0.4748	0.0000	1,610.7750
2022	1.0791	6.8798	7.0988	0.0228	0.8495	0.2113	1.0608	0.2180	0.2019	0.4198	0.0000	2,083.0444	2,083.0444	0.3136	0.0000	2,090.8836
2023	1.8470	5.0086	4.6705	0.0191	0.9848	0.1214	1.1062	0.2656	0.1134	0.3790	0.0000	1,792.1370	1,792.1370	0.2246	0.0000	1,797.7526
2024	4.6903	6.5770	7.2040	0.0270	1.2271	0.1437	1.3708	0.3309	0.1376	0.4686	0.0000	2,572.9481	2,572.9481	0.3321	0.0000	2,581.2496
2025	0.8062	4.5818	4.4385	0.0174	0.7972	0.1145	0.9117	0.2154	0.1078	0.3232	0.0000	1,629.9232	1,629.9232	0.2184	0.0000	1,635.3842
2026	3.5710	3.5160	3.7215	0.0148	0.9097	0.0957	1.0055	0.2445	0.0901	0.3345	0.0000	1,380.4738	1,380.4738	0.1509	0.0000	1,384.2469
2027	0.3624	0.2439	0.2815	1.0800e-003	0.0717	6.9500e-003	0.0787	0.0192	6.5700e-003	0.0258	0.0000	100.9218	100.9218	0.0102	0.0000	101.1767
Maximum	**4.6903**	**9.6554**	**7.2040**	**0.0270**	**1.2271**	**0.3687**	**1.3708**	**0.3309**	**0.3401**	**0.4686**	**0.0000**	**2,572.9481**	**2,572.9481**	**0.4748**	**0.0000**	**2,581.2496**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3736	3.5749	8.1344	0.0181	0.2367	0.1318	0.3684	0.0355	0.1290	0.1645	0.0000	1,598.9029	1,598.9029	0.4748	0.0000	1,610.7731
2022	0.9771	6.6021	7.9516	0.0228	0.8495	0.2003	1.0498	0.2180	0.1967	0.4147	0.0000	2,011.5616	2,011.5616	0.2905	0.0000	2,018.8229
2023	1.6696	3.2983	3.9362	0.0191	0.9848	0.0504	1.0352	0.2656	0.0492	0.3147	0.0000	1,531.3808	1,531.3808	0.1403	0.0000	1,534.8881
2024	4.6012	6.1263	7.2004	0.0270	1.2271	0.1247	1.3518	0.3309	0.1225	0.4534	0.0000	2,433.0891	2,433.0891	0.2868	0.0000	2,440.2597
2025	0.6532	3.3765	3.9283	0.0174	0.7972	0.0620	0.8592	0.2154	0.0611	0.2765	0.0000	1,380.2457	1,380.2457	0.1377	0.0000	1,383.6879
2026	3.4216	2.0033	2.8924	0.0148	0.9097	0.0314	0.9412	0.2445	0.0309	0.2753	0.0000	1,138.4009	1,138.4009	0.0726	0.0000	1,140.2167
2027	0.3525	0.1441	0.2268	1.0800e-003	0.0717	2.7100e-003	0.0744	0.0192	2.6700e-003	0.0219	0.0000	84.9526	84.9526	5.0300e-003	0.0000	85.0784
Maximum	**4.6012**	**6.6021**	**8.1344**	**0.0270**	**1.2271**	**0.2003**	**1.3518**	**0.3309**	**0.1967**	**0.4534**	**0.0000**	**2,433.0891**	**2,433.0891**	**0.4748**	**0.0000**	**2,440.2597**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**9.25**	**31.09**	**-1.91**	**0.00**	**0.00**	**43.21**	**7.48**	**0.00**	**40.64**	**17.43**	**0.00**	**8.78**	**8.78**	**18.38**	**0.00**	**8.82**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**3-1-2021**	**5-31-2021**	2.2557	0.8922
2	**6-1-2021**	**8-31-2021**	3.3783	1.2331
3	**9-1-2021**	**11-30-2021**	3.6439	1.3432
4	**12-1-2021**	**2-28-2022**	2.1313	0.8344

5	**3-1-2022**	**5-31-2022**	2.2475	2.6325
6	**6-1-2022**	**8-31-2022**	2.1473	2.4516
7	**9-1-2022**	**11-30-2022**	1.9940	1.6150
8	**12-1-2022**	**2-28-2023**	1.8503	1.3381
9	**3-1-2023**	**5-31-2023**	2.0607	1.6473
10	**6-1-2023**	**8-31-2023**	1.8015	1.2850
11	**9-1-2023**	**11-30-2023**	1.4556	0.9401
12	**12-1-2023**	**2-29-2024**	1.9480	1.5629
13	**3-1-2024**	**5-31-2024**	3.2049	2.8268
14	**6-1-2024**	**8-31-2024**	3.0557	2.7109
15	**9-1-2024**	**11-30-2024**	2.8308	3.1541
16	**12-1-2024**	**2-28-2025**	1.6345	1.9836
17	**3-1-2025**	**5-31-2025**	1.2928	1.0368
18	**6-1-2025**	**8-31-2025**	1.1190	0.5471
19	**9-1-2025**	**11-30-2025**	1.3974	0.8318
20	**12-1-2025**	**2-28-2026**	1.5124	0.9530
21	**3-1-2026**	**5-31-2026**	1.6562	1.1614
22	**6-1-2026**	**8-31-2026**	1.9016	1.5585
23	**9-1-2026**	**11-30-2026**	1.8918	1.5524
24	**12-1-2026**	**2-28-2027**	1.2886	1.0574
		Highest	3.6439	3.1541

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8.8216	0.1526	11.6713	7.3900e-003		0.5450	0.5450		0.5450	0.5450	50.1487	33.9638	84.1125	0.0935	3.2900e-003	87.4291
Energy	0.0529	0.4523	0.1965	2.8800e-003		0.0365	0.0365		0.0365	0.0365	0.0000	2,489.3794	2,489.3794	0.0989	0.0280	2,500.1924
Mobile	1.7064	6.6091	18.8178	0.0711	6.6104	0.0753	6.6857	1.7802	0.0704	1.8506	0.0000	6,548.0841	6,548.0841	0.2712	0.0000	6,554.8628
Waste						0.0000	0.0000		0.0000	0.0000	107.0209	0.0000	107.0209	6.3248	0.0000	265.1397
Water						0.0000	0.0000		0.0000	0.0000	23.0497	166.6931	189.7428	2.3750	0.0575	266.2399
Total	**10.5809**	**7.2140**	**30.6856**	**0.0813**	**6.6104**	**0.6568**	**7.2672**	**1.7802**	**0.6519**	**2.4321**	**180.2193**	**9,238.1205**	**9,418.3398**	**9.1633**	**0.0887**	**9,673.8639**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8.8216	0.1526	11.6713	7.3900e-003		0.5450	0.5450		0.5450	0.5450	50.1487	33.9638	84.1125	0.0935	3.2900e-003	87.4291
Energy	0.0529	0.4523	0.1965	2.8800e-003		0.0365	0.0365		0.0365	0.0365	0.0000	2,489.3794	2,489.3794	0.0989	0.0280	2,500.1924
Mobile	1.7064	6.6091	18.8178	0.0711	6.6104	0.0753	6.6857	1.7802	0.0704	1.8506	0.0000	6,548.0841	6,548.0841	0.2712	0.0000	6,554.8628
Waste						0.0000	0.0000		0.0000	0.0000	107.0209	0.0000	107.0209	6.3248	0.0000	265.1397
Water						0.0000	0.0000		0.0000	0.0000	23.0497	166.6931	189.7428	2.3750	0.0575	266.2399
Total	**10.5809**	**7.2140**	**30.6856**	**0.0813**	**6.6104**	**0.6568**	**7.2672**	**1.7802**	**0.6519**	**2.4321**	**180.2193**	**9,238.1205**	**9,418.3398**	**9.1633**	**0.0887**	**9,673.8639**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Phase 0-Demolition/Excavation/Grading	Grading	3/1/2021	12/31/2021	5	220	11
2	Phase 0-Recycling Plant	Site Preparation	5/1/2021	7/31/2021	5	65	12

3	Phase 0-Utilities/Drainage/Subgrade	Site Preparation	7/1/2021	2/28/2022	5	173	13
4	Phase 0-Roadway Lift	Paving	2/1/2022	2/28/2022	5	20	14
5	Phase 1-C,D (HD Equipment Mix)	Building Construction	3/1/2022	9/30/2022	5	154	15
6	Phase 1-E (HD Equipment Mix)	Building Construction	3/1/2022	9/30/2022	5	154	18
7	Phase 1-F (HD Equipment Mix)	Building Construction	3/1/2022	8/31/2022	5	132	21
8	Phase 1-TH (HD Equipment Mix1)	Building Construction	3/1/2022	6/30/2022	5	88	24
9	Phase 1-TH (Compressors/Gradeall)	Building Construction	7/1/2022	1/31/2023	5	153	25
10	Phase 1-F (Electric Cranes Only)	Building Construction	9/1/2022	8/31/2024	5	522	22
11	Phase 1-C,D (Electric Cranes Only)	Building Construction	10/1/2022	8/31/2024	5	500	16
12	Phase 1-E (Electric Cranes Only)	Building Construction	10/1/2022	10/31/2023	5	282	19
13	Phase 1-TH Architectural Coatings1	Architectural Coating	10/1/2022	4/30/2023	5	150	31
14	Phase 1-TH (HD Equipment Mix2)	Building Construction	2/1/2023	6/30/2023	5	108	26
15	Phase 1-E Architectural Coatings	Architectural Coating	4/1/2023	10/31/2023	5	152	20
16	Phase 1-TH (No HD Equipment1)	Building Construction	7/1/2023	11/30/2023	5	109	27
17	Phase 1-TH (Gradealls Only)	Building Construction	12/1/2023	5/31/2024	5	131	28
18	Phase 1-F Architectural Coatings	Architectural Coating	1/1/2024	8/31/2024	5	175	23
19	Phase 1-C,D Architectural Coatings	Architectural Coating	2/1/2024	8/31/2024	5	152	17
20	Phase 1-TH Architectural Coatings2	Architectural Coating	2/1/2024	8/31/2024	5	152	32
21	Phase 1-TH (Excavator/BobCats Only)	Building Construction	6/1/2024	6/30/2024	5	20	29
22	Phase 1-TH (No HD Equipment2)	Building Construction	7/1/2024	8/31/2024	5	45	30
23	Phase 2-Material Off-Haul (No HD Equipment)	Building Construction	9/1/2024	10/25/2024	6	47	33
24	Phase 2-G,A,H (HD Equipment Mix)	Building Construction	9/1/2024	3/31/2025	5	151	34
25	Phase 2-B/Parking Structure (HD Equipment Mix)	Building Construction	9/1/2024	3/31/2025	5	151	37
26	Phase 2-G,A,H (Electric Cranes Only)	Building Construction	4/1/2025	1/31/2027	5	479	35

27	Phase 2-B/Parking Structure (Electric Cranes Only)	Building Construction	4/1/2025	4/30/2026	5	283	38
28	Phase 2-B/Parking Structure Architectural Coatings	Architectural Coating	10/1/2025	4/30/2026	5	152	39
29	Phase 2-G,A,H Architectural Coatings	Architectural Coating	5/1/2026	1/31/2027	5	196	36

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4

Residential Indoor: 569,025; Residential Outdoor: 189,675; Non-Residential Indoor: 11,250; Non-Residential Outdoor: 3,750; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase 0-Demolition/Excavation/Grading	Excavators	2	7.20	325	0.50
Phase 0-Demolition/Excavation/Grading	Other Construction Equipment	1	3.20	350	0.50
Phase 0-Demolition/Excavation/Grading	Graders	1	7.20	330	0.50
Phase 0-Demolition/Excavation/Grading	Plate Compactors	2	7.20	8	0.43
Phase 0-Demolition/Excavation/Grading	Crawler Tractors	1	7.20	400	1.00
Phase 0-Demolition/Excavation/Grading	Crawler Tractors	1	7.20	400	1.00
Phase 0-Recycling Plant	Crushing/Proc. Equipment	1	8.00	350	0.78
Phase 0-Utilities/Drainage/Subgrade	Crawler Tractors	2	6.00	400	1.00
Phase 0-Utilities/Drainage/Subgrade	Excavators	2	8.00	250	0.50
Phase 0-Utilities/Drainage/Subgrade	Plate Compactors	2	6.00	8	0.43
Phase 0-Roadway Lift	Paving Equipment	1	8.00	132	0.36
Phase 0-Roadway Lift	Pavers	1	8.00	130	0.42
Phase 0-Roadway Lift	Rollers	1	8.00	80	0.38
Phase 1-C,D (HD Equipment Mix)	Excavators	2	4.57	325	0.50

Phase 1-C,D (HD Equipment Mix)	Plate Compactors	2	2.29	8	0.43
Phase 1-C,D (HD Equipment Mix)	Skid Steer Loaders	2	5.71	65	0.37
Phase 1-C,D (HD Equipment Mix)	Tractors/Loaders/Backhoes	2	3.43	250	0.25
Phase 1-C,D (HD Equipment Mix)	Air Compressors	2	8.00	78	0.48
Phase 1-C,D (HD Equipment Mix)	Generator Sets	2	8.00	84	0.74
Phase 1-C,D (Electric Cranes Only)	Cranes	2	8.00	231	0.29
Phase 1-C,D Architectural Coatings	Air Compressors	2	8.00	78	0.48
Phase 1-E (HD Equipment Mix)	Excavators	1	4.57	325	0.50
Phase 1-E (HD Equipment Mix)	Plate Compactors	1	3.43	8	0.43
Phase 1-E (HD Equipment Mix)	Skid Steer Loaders	1	6.86	65	0.37
Phase 1-E (HD Equipment Mix)	Tractors/Loaders/Backhoes	1	2.29	250	0.25
Phase 1-E (HD Equipment Mix)	Air Compressors	1	8.00	78	0.48
Phase 1-E (HD Equipment Mix)	Generator Sets	1	8.00	84	0.74
Phase 1-E (Electric Cranes Only)	Cranes	1	8.00	231	0.29
Phase 1-E Architectural Coatings	Air Compressors	1	8.00	78	0.48
Phase 1-F (HD Equipment Mix)	Excavators	1	4.00	325	0.50
Phase 1-F (HD Equipment Mix)	Plate Compactors	1	2.67	8	0.43
Phase 1-F (HD Equipment Mix)	Skid Steer Loaders	1	6.67	65	0.37
Phase 1-F (HD Equipment Mix)	Tractors/Loaders/Backhoes	1	2.67	250	0.25
Phase 1-F (HD Equipment Mix)	Generator Sets	1	8.00	84	0.74
Phase 1-F (Electric Cranes Only)	Cranes	1	8.00	231	0.29
Phase 1-F Architectural Coatings	Air Compressors	1	8.00	78	0.48
Phase 1-TH (HD Equipment Mix1)	Excavators	1	8.00	325	0.50
Phase 1-TH (HD Equipment Mix1)	Plate Compactors	1	8.00	8	0.43
Phase 1-TH (HD Equipment Mix1)	Skid Steer Loaders	1	8.00	65	0.37
Phase 1-TH (HD Equipment Mix1)	Tractors/Loaders/Backhoes	1	8.00	250	0.25
Phase 1-TH (HD Equipment Mix1)	Air Compressors	1	8.00	78	0.48

Phase 1-TH (HD Equipment Mix1)	Generator Sets	1	8.00	84	0.74
Phase 1-TH (Compressors/Gradeall)	Air Compressors	1	6.86	78	0.48
Phase 1-TH (Compressors/Gradeall)	Rough Terrain Forklifts	4	8.00	100	0.40
Phase 1-TH (HD Equipment Mix2)	Excavators	1	8.00	325	0.50
Phase 1-TH (HD Equipment Mix2)	Plate Compactors	1	6.40	8	0.43
Phase 1-TH (HD Equipment Mix2)	Skid Steer Loaders	1	8.00	65	0.37
Phase 1-TH (HD Equipment Mix2)	Tractors/Loaders/Backhoes	1	6.40	250	0.25
Phase 1-TH (HD Equipment Mix2)	Generator Sets	1	8.00	84	0.74
Phase 1-TH (No HD Equipment1)	Aerial Lifts	1	8.00	63	0.31
Phase 1-TH (Gradealls Only)	Rough Terrain Forklifts	4	8.00	100	0.40
Phase 1-TH (Excavator/BobCats Only)	Excavators	1	8.00	325	0.50
Phase 1-TH (Excavator/BobCats Only)	Skid Steer Loaders	1	8.00	65	0.37
Phase 1-TH (No HD Equipment2)	Aerial Lifts	1	8.00	63	0.31
Phase 1-TH Architectural Coatings1	Air Compressors	1	8.00	78	0.48
Phase 1-TH Architectural Coatings2	Air Compressors	1	8.00	78	0.48
Phase 2-Material Off-Haul (No HD Equipment)	Aerial Lifts	1	8.00	63	0.31
Phase 2-G,A,H (HD Equipment Mix)	Excavators	3	3.43	325	0.50
Phase 2-G,A,H (HD Equipment Mix)	Plate Compactors	3	2.29	8	0.43
Phase 2-G,A,H (HD Equipment Mix)	Skid Steer Loaders	3	5.71	65	0.37
Phase 2-G,A,H (HD Equipment Mix)	Tractors/Loaders/Backhoes	3	2.29	250	0.25
Phase 2-G,A,H (HD Equipment Mix)	Air Compressors	3	6.86	78	0.48
Phase 2-G,A,H (HD Equipment Mix)	Generator Sets	3	8.00	84	0.74
Phase 2-G,A,H (Electric Cranes Only)	Cranes	3	8.00	231	0.29
Phase 2-G,A,H Architectural Coatings	Air Compressors	3	8.00	78	0.48
Phase 2-B/Parking Structure (HD Equipment Mix)	Excavators	2	4.57	325	0.50
Phase 2-B/Parking Structure (HD Equipment Mix)	Plate Compactors	2	3.43	8	0.43

Phase 2-B/Parking Structure (HD Equipment Mix)	Skid Steer Loaders	2	6.86	65	0.37
Phase 2-B/Parking Structure (HD Equipment Mix)	Tractors/Loaders/Backhoes	2	2.29	250	0.25
Phase 2-B/Parking Structure (HD Equipment Mix)	Air Compressors	2	6.86	78	0.48
Phase 2-B/Parking Structure (HD Equipment Mix)	Generator Sets	2	8.00	84	0.74
Phase 2-B/Parking Structure (Electric Cranes Only)	Cranes	2	8.00	231	0.29
Phase 2-B/Parking Structure Architectural Coatings	Air Compressors	2	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Phase 0-Demolition/Excavation	8	60.00	0.00	34.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 0-Recycling Plant	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 0-Utilities/Drainage/Sub	6	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 0-Roadway Lift	3	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-C,D (HD Equipment Mix)	12	254.00	62.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-C,D (Electric Cranes Only)	2	254.00	62.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-C,D Architectural Coatings	2	254.00	62.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-E (HD Equipment Mix)	6	112.00	28.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-E (Electric Cranes Only)	1	112.00	28.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-E Architectural Coatings	1	112.00	28.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-F (HD Equipment Mix)	5	162.00	40.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-F (Electric Cranes Only)	1	162.00	40.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-F Architectural Coatings	1	162.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (HD Equipment Mix1)	6	174.00	43.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (Compressors/Gradea	5	174.00	43.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Phase 1-TH (HD Equipment Mix2)	5	174.00	43.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (No HD Equipment1)	1	174.00	43.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (Gradealls Only)	4	174.00	43.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (Excavator/BobCats O	2	174.00	43.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (No HD Equipment2)	1	174.00	43.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH Architectural Coatings	1	174.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH Architectural Coatings	1	174.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2-Material Off-Haul (No HD Equipme	1	0.00	0.00	9,500.00	10.80	7.30	22.00	LD_Mix	HDT_Mix	HHDT
Phase 2-G,A,H (HD Equipment Mix)	18	390.00	102.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2-G,A,H (Electric Cranes Only)	3	390.00	102.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2-G,A,H Architectural Coatings	3	390.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2-B/Parking Structure (HD Equipm	12	194.00	67.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2-B/Parking Structure (Electric Cra	2	194.00	67.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2-B/Parking Structure Architectural	2	194.00	0.00	34.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

3.2 Phase 0-Demolition/Excavation/Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1050	0.0000	0.1050	0.0113	0.0000	0.0113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6067	6.5797	4.1245	0.0118		0.2533	0.2533		0.2332	0.2332	0.0000	1,031.0993	1,031.0993	0.3321	0.0000	1,039.4023
Total	**0.6067**	**6.5797**	**4.1245**	**0.0118**	**0.1050**	**0.2533**	**0.3583**	**0.0113**	**0.2332**	**0.2445**	**0.0000**	**1,031.0993**	**1,031.0993**	**0.3321**	**0.0000**	**1,039.4023**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3000e-004	5.4900e-003	1.8000e-003	1.0000e-005	2.9000e-004	2.0000e-005	3.0000e-004	8.0000e-005	2.0000e-005	9.0000e-005	0.0000	1.4917	1.4917	2.7000e-004	0.0000	1.4986
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0188	0.0120	0.1372	5.3000e-004	0.0522	3.9000e-004	0.0526	0.0139	3.6000e-004	0.0142	0.0000	47.7955	47.7955	9.8000e-004	0.0000	47.8199
Total	**0.0189**	**0.0175**	**0.1390**	**5.4000e-004**	**0.0524**	**4.1000e-004**	**0.0529**	**0.0140**	**3.8000e-004**	**0.0143**	**0.0000**	**49.2872**	**49.2872**	**1.2500e-003**	**0.0000**	**49.3185**

3.2 Phase 0-Demolition/Excavation/Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1050	0.0000	0.1050	0.0113	0.0000	0.0113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2608	2.6327	5.3097	0.0118		0.0979	0.0979		0.0952	0.0952	0.0000	1,031.0981	1,031.0981	0.3321	0.0000	1,039.4011
Total	**0.2608**	**2.6327**	**5.3097**	**0.0118**	**0.1050**	**0.0979**	**0.2028**	**0.0113**	**0.0952**	**0.1065**	**0.0000**	**1,031.0981**	**1,031.0981**	**0.3321**	**0.0000**	**1,039.4011**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3000e-004	5.4900e-003	1.8000e-003	1.0000e-005	2.9000e-004	2.0000e-005	3.0000e-004	8.0000e-005	2.0000e-005	9.0000e-005	0.0000	1.4917	1.4917	2.7000e-004	0.0000	1.4986
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0188	0.0120	0.1372	5.3000e-004	0.0522	3.9000e-004	0.0526	0.0139	3.6000e-004	0.0142	0.0000	47.7955	47.7955	9.8000e-004	0.0000	47.8199
Total	**0.0189**	**0.0175**	**0.1390**	**5.4000e-004**	**0.0524**	**4.1000e-004**	**0.0529**	**0.0140**	**3.8000e-004**	**0.0143**	**0.0000**	**49.2872**	**49.2872**	**1.2500e-003**	**0.0000**	**49.3185**

3.3 Phase 0-Recycling Plant - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0419	0.2463	0.1678	7.8000e-004		8.6100e-003	8.6100e-003		8.6100e-003	8.6100e-003	0.0000	80.6759	80.6759	3.4100e-003	0.0000	80.7610
Total	**0.0419**	**0.2463**	**0.1678**	**7.8000e-004**	**0.0000**	**8.6100e-003**	**8.6100e-003**	**0.0000**	**8.6100e-003**	**8.6100e-003**	**0.0000**	**80.6759**	**80.6759**	**3.4100e-003**	**0.0000**	**80.7610**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Phase 0-Recycling Plant - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.3900e-003	0.0407	0.3443	7.8000e-004		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	80.6758	80.6758	3.4100e-003	0.0000	80.7610
Total	**9.3900e-003**	**0.0407**	**0.3443**	**7.8000e-004**	**0.0000**	**1.2500e-003**	**1.2500e-003**	**0.0000**	**1.2500e-003**	**1.2500e-003**	**0.0000**	**80.6758**	**80.6758**	**3.4100e-003**	**0.0000**	**80.7610**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Phase 0-Utilities/Drainage/Subgrade - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0688	0.0000	0.0688	7.4300e-003	0.0000	7.4300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2492	2.8095	1.7557	4.8900e-003		0.1063	0.1063		0.0978	0.0978	0.0000	428.2833	428.2833	0.1378	0.0000	431.7292
Total	**0.2492**	**2.8095**	**1.7557**	**4.8900e-003**	**0.0688**	**0.1063**	**0.1751**	**7.4300e-003**	**0.0978**	**0.1053**	**0.0000**	**428.2833**	**428.2833**	**0.1378**	**0.0000**	**431.7292**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7600e-003	2.4000e-003	0.0274	1.1000e-004	0.0104	8.0000e-005	0.0105	2.7700e-003	7.0000e-005	2.8500e-003	0.0000	9.5591	9.5591	2.0000e-004	0.0000	9.5640
Total	**3.7600e-003**	**2.4000e-003**	**0.0274**	**1.1000e-004**	**0.0104**	**8.0000e-005**	**0.0105**	**2.7700e-003**	**7.0000e-005**	**2.8500e-003**	**0.0000**	**9.5591**	**9.5591**	**2.0000e-004**	**0.0000**	**9.5640**

3.4 Phase 0-Utilities/Drainage/Subgrade - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0688	0.0000	0.0688	7.4300e-003	0.0000	7.4300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0808	0.8816	2.3140	4.8900e-003		0.0322	0.0322		0.0322	0.0322	0.0000	428.2828	428.2828	0.1378	0.0000	431.7286
Total	**0.0808**	**0.8816**	**2.3140**	**4.8900e-003**	**0.0688**	**0.0322**	**0.1010**	**7.4300e-003**	**0.0322**	**0.0396**	**0.0000**	**428.2828**	**428.2828**	**0.1378**	**0.0000**	**431.7286**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7600e-003	2.4000e-003	0.0274	1.1000e-004	0.0104	8.0000e-005	0.0105	2.7700e-003	7.0000e-005	2.8500e-003	0.0000	9.5591	9.5591	2.0000e-004	0.0000	9.5640
Total	**3.7600e-003**	**2.4000e-003**	**0.0274**	**1.1000e-004**	**0.0104**	**8.0000e-005**	**0.0105**	**2.7700e-003**	**7.0000e-005**	**2.8500e-003**	**0.0000**	**9.5591**	**9.5591**	**2.0000e-004**	**0.0000**	**9.5640**

3.4 Phase 0-Utilities/Drainage/Subgrade - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0688	0.0000	0.0688	7.4300e-003	0.0000	7.4300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0698	0.7284	0.5209	1.5200e-003		0.0283	0.0283		0.0261	0.0261	0.0000	133.0334	133.0334	0.0428	0.0000	134.1038
Total	**0.0698**	**0.7284**	**0.5209**	**1.5200e-003**	**0.0688**	**0.0283**	**0.0971**	**7.4300e-003**	**0.0261**	**0.0335**	**0.0000**	**133.0334**	**133.0334**	**0.0428**	**0.0000**	**134.1038**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-003	6.7000e-004	7.9400e-003	3.0000e-005	3.2400e-003	2.0000e-005	3.2600e-003	8.6000e-004	2.0000e-005	8.8000e-004	0.0000	2.8589	2.8589	6.0000e-005	0.0000	2.8603
Total	**1.1000e-003**	**6.7000e-004**	**7.9400e-003**	**3.0000e-005**	**3.2400e-003**	**2.0000e-005**	**3.2600e-003**	**8.6000e-004**	**2.0000e-005**	**8.8000e-004**	**0.0000**	**2.8589**	**2.8589**	**6.0000e-005**	**0.0000**	**2.8603**

3.4 Phase 0-Utilities/Drainage/Subgrade - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0688	0.0000	0.0688	7.4300e-003	0.0000	7.4300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0251	0.2738	0.7187	1.5200e-003		9.9900e-003	9.9900e-003		9.9900e-003	9.9900e-003	0.0000	133.0332	133.0332	0.0428	0.0000	134.1036
Total	**0.0251**	**0.2738**	**0.7187**	**1.5200e-003**	**0.0688**	**9.9900e-003**	**0.0788**	**7.4300e-003**	**9.9900e-003**	**0.0174**	**0.0000**	**133.0332**	**133.0332**	**0.0428**	**0.0000**	**134.1036**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-003	6.7000e-004	7.9400e-003	3.0000e-005	3.2400e-003	2.0000e-005	3.2600e-003	8.6000e-004	2.0000e-005	8.8000e-004	0.0000	2.8589	2.8589	6.0000e-005	0.0000	2.8603
Total	**1.1000e-003**	**6.7000e-004**	**7.9400e-003**	**3.0000e-005**	**3.2400e-003**	**2.0000e-005**	**3.2600e-003**	**8.6000e-004**	**2.0000e-005**	**8.8000e-004**	**0.0000**	**2.8589**	**2.8589**	**6.0000e-005**	**0.0000**	**2.8603**

3.5 Phase 0-Roadway Lift - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.5100e-003	0.0556	0.0729	1.1000e-004		2.8400e-003	2.8400e-003		2.6100e-003	2.6100e-003	0.0000	10.0138	10.0138	3.2400e-003	0.0000	10.0948
Paving	5.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0108**	**0.0556**	**0.0729**	**1.1000e-004**		**2.8400e-003**	**2.8400e-003**		**2.6100e-003**	**2.6100e-003**	**0.0000**	**10.0138**	**10.0138**	**3.2400e-003**	**0.0000**	**10.0948**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	3.3000e-004	3.8800e-003	2.0000e-005	1.5800e-003	1.0000e-005	1.5900e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3946	1.3946	3.0000e-005	0.0000	1.3952
Total	**5.4000e-004**	**3.3000e-004**	**3.8800e-003**	**2.0000e-005**	**1.5800e-003**	**1.0000e-005**	**1.5900e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.3946**	**1.3946**	**3.0000e-005**	**0.0000**	**1.3952**

3.5 Phase 0-Roadway Lift - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.5100e-003	0.0556	0.0729	1.1000e-004		2.8400e-003	2.8400e-003		2.6100e-003	2.6100e-003	0.0000	10.0138	10.0138	3.2400e-003	0.0000	10.0947
Paving	5.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0108**	**0.0556**	**0.0729**	**1.1000e-004**		**2.8400e-003**	**2.8400e-003**		**2.6100e-003**	**2.6100e-003**	**0.0000**	**10.0138**	**10.0138**	**3.2400e-003**	**0.0000**	**10.0947**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	3.3000e-004	3.8800e-003	2.0000e-005	1.5800e-003	1.0000e-005	1.5900e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3946	1.3946	3.0000e-005	0.0000	1.3952
Total	**5.4000e-004**	**3.3000e-004**	**3.8800e-003**	**2.0000e-005**	**1.5800e-003**	**1.0000e-005**	**1.5900e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.3946**	**1.3946**	**3.0000e-005**	**0.0000**	**1.3952**

3.6 Phase 1-C,D (HD Equipment Mix) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1481	1.2570	1.4526	3.4500e-003		0.0573	0.0573		0.0559	0.0559	0.0000	299.3401	299.3401	0.0590	0.0000	300.8139
Total	**0.1481**	**1.2570**	**1.4526**	**3.4500e-003**		**0.0573**	**0.0573**		**0.0559**	**0.0559**	**0.0000**	**299.3401**	**299.3401**	**0.0590**	**0.0000**	**300.8139**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0137	0.5182	0.1640	1.2500e-003	0.0312	1.0900e-003	0.0323	9.0200e-003	1.0400e-003	0.0101	0.0000	128.7455	128.7455	0.0171	0.0000	129.1724
Worker	0.0525	0.0321	0.3789	1.5100e-003	0.1545	1.1500e-003	0.1557	0.0411	1.0600e-003	0.0422	0.0000	136.3750	136.3750	2.6300e-003	0.0000	136.4407
Total	**0.0662**	**0.5503**	**0.5429**	**2.7600e-003**	**0.1857**	**2.2400e-003**	**0.1880**	**0.0501**	**2.1000e-003**	**0.0522**	**0.0000**	**265.1205**	**265.1205**	**0.0197**	**0.0000**	**265.6131**

3.6 Phase 1-C,D (HD Equipment Mix) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1461	1.5798	1.8407	3.4500e-003		0.0707	0.0707		0.0700	0.0700	0.0000	299.3397	299.3397	0.0590	0.0000	300.8135
Total	**0.1461**	**1.5798**	**1.8407**	**3.4500e-003**		**0.0707**	**0.0707**		**0.0700**	**0.0700**	**0.0000**	**299.3397**	**299.3397**	**0.0590**	**0.0000**	**300.8135**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0137	0.5182	0.1640	1.2500e-003	0.0312	1.0900e-003	0.0323	9.0200e-003	1.0400e-003	0.0101	0.0000	128.7455	128.7455	0.0171	0.0000	129.1724
Worker	0.0525	0.0321	0.3789	1.5100e-003	0.1545	1.1500e-003	0.1557	0.0411	1.0600e-003	0.0422	0.0000	136.3750	136.3750	2.6300e-003	0.0000	136.4407
Total	**0.0662**	**0.5503**	**0.5429**	**2.7600e-003**	**0.1857**	**2.2400e-003**	**0.1880**	**0.0501**	**2.1000e-003**	**0.0522**	**0.0000**	**265.1205**	**265.1205**	**0.0197**	**0.0000**	**265.6131**

3.7 Phase 1-E (HD Equipment Mix) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0730	0.6179	0.7298	1.6900e-003		0.0283	0.0283		0.0277	0.0277	0.0000	146.8425	146.8425	0.0285	0.0000	147.5546
Total	**0.0730**	**0.6179**	**0.7298**	**1.6900e-003**		**0.0283**	**0.0283**		**0.0277**	**0.0277**	**0.0000**	**146.8425**	**146.8425**	**0.0285**	**0.0000**	**147.5546**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1600e-003	0.2340	0.0740	5.6000e-004	0.0141	4.9000e-004	0.0146	4.0700e-003	4.7000e-004	4.5400e-003	0.0000	58.1431	58.1431	7.7100e-003	0.0000	58.3359
Worker	0.0232	0.0142	0.1671	6.6000e-004	0.0682	5.1000e-004	0.0687	0.0181	4.7000e-004	0.0186	0.0000	60.1339	60.1339	1.1600e-003	0.0000	60.1628
Total	**0.0293**	**0.2482**	**0.2411**	**1.2200e-003**	**0.0822**	**1.0000e-003**	**0.0832**	**0.0222**	**9.4000e-004**	**0.0231**	**0.0000**	**118.2770**	**118.2770**	**8.8700e-003**	**0.0000**	**118.4988**

3.7 Phase 1-E (HD Equipment Mix) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0720	0.7793	0.9238	1.6900e-003		0.0350	0.0350		0.0347	0.0347	0.0000	146.8423	146.8423	0.0285	0.0000	147.5544
Total	**0.0720**	**0.7793**	**0.9238**	**1.6900e-003**		**0.0350**	**0.0350**		**0.0347**	**0.0347**	**0.0000**	**146.8423**	**146.8423**	**0.0285**	**0.0000**	**147.5544**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1600e-003	0.2340	0.0740	5.6000e-004	0.0141	4.9000e-004	0.0146	4.0700e-003	4.7000e-004	4.5400e-003	0.0000	58.1431	58.1431	7.7100e-003	0.0000	58.3359
Worker	0.0232	0.0142	0.1671	6.6000e-004	0.0682	5.1000e-004	0.0687	0.0181	4.7000e-004	0.0186	0.0000	60.1339	60.1339	1.1600e-003	0.0000	60.1628
Total	**0.0293**	**0.2482**	**0.2411**	**1.2200e-003**	**0.0822**	**1.0000e-003**	**0.0832**	**0.0222**	**9.4000e-004**	**0.0231**	**0.0000**	**118.2770**	**118.2770**	**8.8700e-003**	**0.0000**	**118.4988**

3.8 Phase 1-F (HD Equipment Mix) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0431	0.3953	0.4521	1.1400e-003		0.0167	0.0167		0.0162	0.0162	0.0000	98.6343	98.6343	0.0215	0.0000	99.1707
Total	**0.0431**	**0.3953**	**0.4521**	**1.1400e-003**		**0.0167**	**0.0167**		**0.0162**	**0.0162**	**0.0000**	**98.6343**	**98.6343**	**0.0215**	**0.0000**	**99.1707**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.5500e-003	0.2865	0.0907	6.9000e-004	0.0173	6.0000e-004	0.0179	4.9900e-003	5.7000e-004	5.5600e-003	0.0000	71.1957	71.1957	9.4400e-003	0.0000	71.4317
Worker	0.0287	0.0176	0.2072	8.2000e-004	0.0845	6.3000e-004	0.0851	0.0225	5.8000e-004	0.0231	0.0000	74.5537	74.5537	1.4400e-003	0.0000	74.5897
Total	**0.0363**	**0.3041**	**0.2978**	**1.5100e-003**	**0.1018**	**1.2300e-003**	**0.1030**	**0.0275**	**1.1500e-003**	**0.0286**	**0.0000**	**145.7494**	**145.7494**	**0.0109**	**0.0000**	**146.0214**

3.8 Phase 1-F (HD Equipment Mix) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0424	0.5164	0.5976	1.1400e-003		0.0218	0.0218		0.0215	0.0215	0.0000	98.6342	98.6342	0.0215	0.0000	99.1706
Total	**0.0424**	**0.5164**	**0.5976**	**1.1400e-003**		**0.0218**	**0.0218**		**0.0215**	**0.0215**	**0.0000**	**98.6342**	**98.6342**	**0.0215**	**0.0000**	**99.1706**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.5500e-003	0.2865	0.0907	6.9000e-004	0.0173	6.0000e-004	0.0179	4.9900e-003	5.7000e-004	5.5600e-003	0.0000	71.1957	71.1957	9.4400e-003	0.0000	71.4317
Worker	0.0287	0.0176	0.2072	8.2000e-004	0.0845	6.3000e-004	0.0851	0.0225	5.8000e-004	0.0231	0.0000	74.5537	74.5537	1.4400e-003	0.0000	74.5897
Total	**0.0363**	**0.3041**	**0.2978**	**1.5100e-003**	**0.1018**	**1.2300e-003**	**0.1030**	**0.0275**	**1.1500e-003**	**0.0286**	**0.0000**	**145.7494**	**145.7494**	**0.0109**	**0.0000**	**146.0214**

3.9 Phase 1-TH (HD Equipment Mix1) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0566	0.4887	0.5287	1.4200e-003		0.0209	0.0209		0.0201	0.0201	0.0000	123.6437	123.6437	0.0290	0.0000	124.3676
Total	**0.0566**	**0.4887**	**0.5287**	**1.4200e-003**		**0.0209**	**0.0209**		**0.0201**	**0.0201**	**0.0000**	**123.6437**	**123.6437**	**0.0290**	**0.0000**	**124.3676**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4100e-003	0.2054	0.0650	5.0000e-004	0.0124	4.3000e-004	0.0128	3.5700e-003	4.1000e-004	3.9900e-003	0.0000	51.0236	51.0236	6.7700e-003	0.0000	51.1927
Worker	0.0206	0.0126	0.1483	5.9000e-004	0.0605	4.5000e-004	0.0610	0.0161	4.1000e-004	0.0165	0.0000	53.3842	53.3842	1.0300e-003	0.0000	53.4099
Total	**0.0260**	**0.2179**	**0.2133**	**1.0900e-003**	**0.0729**	**8.8000e-004**	**0.0738**	**0.0197**	**8.2000e-004**	**0.0205**	**0.0000**	**104.4077**	**104.4077**	**7.8000e-003**	**0.0000**	**104.6026**

3.9 Phase 1-TH (HD Equipment Mix1) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0556	0.6502	0.7227	1.4200e-003		0.0276	0.0276		0.0272	0.0272	0.0000	123.6435	123.6435	0.0290	0.0000	124.3674
Total	**0.0556**	**0.6502**	**0.7227**	**1.4200e-003**		**0.0276**	**0.0276**		**0.0272**	**0.0272**	**0.0000**	**123.6435**	**123.6435**	**0.0290**	**0.0000**	**124.3674**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4100e-003	0.2054	0.0650	5.0000e-004	0.0124	4.3000e-004	0.0128	3.5700e-003	4.1000e-004	3.9900e-003	0.0000	51.0236	51.0236	6.7700e-003	0.0000	51.1927
Worker	0.0206	0.0126	0.1483	5.9000e-004	0.0605	4.5000e-004	0.0610	0.0161	4.1000e-004	0.0165	0.0000	53.3842	53.3842	1.0300e-003	0.0000	53.4099
Total	**0.0260**	**0.2179**	**0.2133**	**1.0900e-003**	**0.0729**	**8.8000e-004**	**0.0738**	**0.0197**	**8.2000e-004**	**0.0205**	**0.0000**	**104.4077**	**104.4077**	**7.8000e-003**	**0.0000**	**104.6026**

3.10 Phase 1-TH (Compressors/Gradeall) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0446	0.4933	0.7353	1.1300e-003		0.0196	0.0196		0.0186	0.0186	0.0000	98.4405	98.4405	0.0269	0.0000	99.1130
Total	**0.0446**	**0.4933**	**0.7353**	**1.1300e-003**		**0.0196**	**0.0196**		**0.0186**	**0.0186**	**0.0000**	**98.4405**	**98.4405**	**0.0269**	**0.0000**	**99.1130**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0500e-003	0.3057	0.0967	7.4000e-004	0.0184	6.4000e-004	0.0191	5.3200e-003	6.1000e-004	5.9300e-003	0.0000	75.9555	75.9555	0.0101	0.0000	76.2074
Worker	0.0306	0.0187	0.2208	8.8000e-004	0.0901	6.7000e-004	0.0907	0.0240	6.2000e-004	0.0246	0.0000	79.4696	79.4696	1.5300e-003	0.0000	79.5079
Total	**0.0387**	**0.3244**	**0.3175**	**1.6200e-003**	**0.1085**	**1.3100e-003**	**0.1098**	**0.0293**	**1.2300e-003**	**0.0305**	**0.0000**	**155.4251**	**155.4251**	**0.0116**	**0.0000**	**155.7153**

3.10 Phase 1-TH (Compressors/Gradeall) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0446	0.4933	0.7353	1.1300e-003		0.0196	0.0196		0.0186	0.0186	0.0000	98.4404	98.4404	0.0269	0.0000	99.1129
Total	**0.0446**	**0.4933**	**0.7353**	**1.1300e-003**		**0.0196**	**0.0196**		**0.0186**	**0.0186**	**0.0000**	**98.4404**	**98.4404**	**0.0269**	**0.0000**	**99.1129**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0500e-003	0.3057	0.0967	7.4000e-004	0.0184	6.4000e-004	0.0191	5.3200e-003	6.1000e-004	5.9300e-003	0.0000	75.9555	75.9555	0.0101	0.0000	76.2074
Worker	0.0306	0.0187	0.2208	8.8000e-004	0.0901	6.7000e-004	0.0907	0.0240	6.2000e-004	0.0246	0.0000	79.4696	79.4696	1.5300e-003	0.0000	79.5079
Total	**0.0387**	**0.3244**	**0.3175**	**1.6200e-003**	**0.1085**	**1.3100e-003**	**0.1098**	**0.0293**	**1.2300e-003**	**0.0305**	**0.0000**	**155.4251**	**155.4251**	**0.0116**	**0.0000**	**155.7153**

3.10 Phase 1-TH (Compressors/Gradeall) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.0600e-003	0.0780	0.1234	1.9000e-004		2.8700e-003	2.8700e-003		2.7100e-003	2.7100e-003	0.0000	16.5340	16.5340	4.5000e-003	0.0000	16.6465
Total	**7.0600e-003**	**0.0780**	**0.1234**	**1.9000e-004**		**2.8700e-003**	**2.8700e-003**		**2.7100e-003**	**2.7100e-003**	**0.0000**	**16.5340**	**16.5340**	**4.5000e-003**	**0.0000**	**16.6465**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0900e-003	0.0426	0.0157	1.2000e-004	3.0900e-003	6.0000e-005	3.1500e-003	8.9000e-004	6.0000e-005	9.5000e-004	0.0000	12.4389	12.4389	1.6500e-003	0.0000	12.4803
Worker	4.8600e-003	2.8500e-003	0.0346	1.4000e-004	0.0151	1.1000e-004	0.0152	4.0200e-003	1.0000e-004	4.1300e-003	0.0000	12.8306	12.8306	2.3000e-004	0.0000	12.8364
Total	**5.9500e-003**	**0.0454**	**0.0503**	**2.6000e-004**	**0.0182**	**1.7000e-004**	**0.0184**	**4.9100e-003**	**1.6000e-004**	**5.0800e-003**	**0.0000**	**25.2695**	**25.2695**	**1.8800e-003**	**0.0000**	**25.3167**

3.10 Phase 1-TH (Compressors/Gradeall) - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.0600e-003	0.0780	0.1234	1.9000e-004		2.8700e-003	2.8700e-003		2.7100e-003	2.7100e-003	0.0000	16.5339	16.5339	4.5000e-003	0.0000	16.6465
Total	**7.0600e-003**	**0.0780**	**0.1234**	**1.9000e-004**		**2.8700e-003**	**2.8700e-003**		**2.7100e-003**	**2.7100e-003**	**0.0000**	**16.5339**	**16.5339**	**4.5000e-003**	**0.0000**	**16.6465**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0900e-003	0.0426	0.0157	1.2000e-004	3.0900e-003	6.0000e-005	3.1500e-003	8.9000e-004	6.0000e-005	9.5000e-004	0.0000	12.4389	12.4389	1.6500e-003	0.0000	12.4803
Worker	4.8600e-003	2.8500e-003	0.0346	1.4000e-004	0.0151	1.1000e-004	0.0152	4.0200e-003	1.0000e-004	4.1300e-003	0.0000	12.8306	12.8306	2.3000e-004	0.0000	12.8364
Total	**5.9500e-003**	**0.0454**	**0.0503**	**2.6000e-004**	**0.0182**	**1.7000e-004**	**0.0184**	**4.9100e-003**	**1.6000e-004**	**5.0800e-003**	**0.0000**	**25.2695**	**25.2695**	**1.8800e-003**	**0.0000**	**25.3167**

3.11 Phase 1-F (Electric Cranes Only) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0162	0.1820	0.0823	2.5000e-004		7.5600e-003	7.5600e-003		6.9500e-003	6.9500e-003	0.0000	22.0529	22.0529	7.1300e-003	0.0000	22.2312
Total	**0.0162**	**0.1820**	**0.0823**	**2.5000e-004**		**7.5600e-003**	**7.5600e-003**		**6.9500e-003**	**6.9500e-003**	**0.0000**	**22.0529**	**22.0529**	**7.1300e-003**	**0.0000**	**22.2312**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.9700e-003	0.1889	0.0598	4.6000e-004	0.0114	4.0000e-004	0.0118	3.2900e-003	3.8000e-004	3.6700e-003	0.0000	46.9244	46.9244	6.2200e-003	0.0000	47.0800
Worker	0.0189	0.0116	0.1365	5.4000e-004	0.0557	4.1000e-004	0.0561	0.0148	3.8000e-004	0.0152	0.0000	49.1377	49.1377	9.5000e-004	0.0000	49.1614
Total	**0.0239**	**0.2004**	**0.1963**	**1.0000e-003**	**0.0671**	**8.1000e-004**	**0.0679**	**0.0181**	**7.6000e-004**	**0.0189**	**0.0000**	**96.0621**	**96.0621**	**7.1700e-003**	**0.0000**	**96.2414**

3.11 Phase 1-F (Electric Cranes Only) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	2.5000e-004		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**2.5000e-004**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.9700e-003	0.1889	0.0598	4.6000e-004	0.0114	4.0000e-004	0.0118	3.2900e-003	3.8000e-004	3.6700e-003	0.0000	46.9244	46.9244	6.2200e-003	0.0000	47.0800
Worker	0.0189	0.0116	0.1365	5.4000e-004	0.0557	4.1000e-004	0.0561	0.0148	3.8000e-004	0.0152	0.0000	49.1377	49.1377	9.5000e-004	0.0000	49.1614
Total	**0.0239**	**0.2004**	**0.1963**	**1.0000e-003**	**0.0671**	**8.1000e-004**	**0.0679**	**0.0181**	**7.6000e-004**	**0.0189**	**0.0000**	**96.0621**	**96.0621**	**7.1700e-003**	**0.0000**	**96.2414**

3.11 Phase 1-F (Electric Cranes Only) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0457	0.4960	0.2385	7.5000e-004		0.0207	0.0207		0.0191	0.0191	0.0000	65.9038	65.9038	0.0213	0.0000	66.4367
Total	**0.0457**	**0.4960**	**0.2385**	**7.5000e-004**		**0.0207**	**0.0207**		**0.0191**	**0.0191**	**0.0000**	**65.9038**	**65.9038**	**0.0213**	**0.0000**	**66.4367**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0120	0.4679	0.1724	1.3200e-003	0.0340	6.7000e-004	0.0347	9.8200e-003	6.4000e-004	0.0105	0.0000	136.7494	136.7494	0.0182	0.0000	137.2038
Worker	0.0535	0.0314	0.3810	1.5600e-003	0.1664	1.2200e-003	0.1676	0.0443	1.1300e-003	0.0454	0.0000	141.1765	141.1765	2.5600e-003	0.0000	141.2406
Total	**0.0655**	**0.4992**	**0.5534**	**2.8800e-003**	**0.2004**	**1.8900e-003**	**0.2023**	**0.0541**	**1.7700e-003**	**0.0559**	**0.0000**	**277.9259**	**277.9259**	**0.0207**	**0.0000**	**278.4444**

3.11 Phase 1-F (Electric Cranes Only) - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	7.5000e-004		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**7.5000e-004**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0120	0.4679	0.1724	1.3200e-003	0.0340	6.7000e-004	0.0347	9.8200e-003	6.4000e-004	0.0105	0.0000	136.7494	136.7494	0.0182	0.0000	137.2038
Worker	0.0535	0.0314	0.3810	1.5600e-003	0.1664	1.2200e-003	0.1676	0.0443	1.1300e-003	0.0454	0.0000	141.1765	141.1765	2.5600e-003	0.0000	141.2406
Total	**0.0655**	**0.4992**	**0.5534**	**2.8800e-003**	**0.2004**	**1.8900e-003**	**0.2023**	**0.0541**	**1.7700e-003**	**0.0559**	**0.0000**	**277.9259**	**277.9259**	**0.0207**	**0.0000**	**278.4444**

3.11 Phase 1-F (Electric Cranes Only) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0290	0.3066	0.1553	5.0000e-004		0.0128	0.0128		0.0117	0.0117	0.0000	44.3574	44.3574	0.0144	0.0000	44.7160
Total	**0.0290**	**0.3066**	**0.1553**	**5.0000e-004**		**0.0128**	**0.0128**		**0.0117**	**0.0117**	**0.0000**	**44.3574**	**44.3574**	**0.0144**	**0.0000**	**44.7160**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.7200e-003	0.3072	0.1149	8.8000e-004	0.0229	4.3000e-004	0.0233	6.6100e-003	4.1000e-004	7.0300e-003	0.0000	91.1890	91.1890	0.0122	0.0000	91.4944
Worker	0.0342	0.0192	0.2403	1.0100e-003	0.1120	8.2000e-004	0.1128	0.0298	7.5000e-004	0.0306	0.0000	91.2396	91.2396	1.5700e-003	0.0000	91.2788
Total	**0.0420**	**0.3264**	**0.3552**	**1.8900e-003**	**0.1349**	**1.2500e-003**	**0.1361**	**0.0364**	**1.1600e-003**	**0.0376**	**0.0000**	**182.4286**	**182.4286**	**0.0138**	**0.0000**	**182.7732**

3.11 Phase 1-F (Electric Cranes Only) - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	5.0000e-004		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**5.0000e-004**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.7200e-003	0.3072	0.1149	8.8000e-004	0.0229	4.3000e-004	0.0233	6.6100e-003	4.1000e-004	7.0300e-003	0.0000	91.1890	91.1890	0.0122	0.0000	91.4944
Worker	0.0342	0.0192	0.2403	1.0100e-003	0.1120	8.2000e-004	0.1128	0.0298	7.5000e-004	0.0306	0.0000	91.2396	91.2396	1.5700e-003	0.0000	91.2788
Total	**0.0420**	**0.3264**	**0.3552**	**1.8900e-003**	**0.1349**	**1.2500e-003**	**0.1361**	**0.0364**	**1.1600e-003**	**0.0376**	**0.0000**	**182.4286**	**182.4286**	**0.0138**	**0.0000**	**182.7732**

3.12 Phase 1-C,D (Electric Cranes Only) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0242	0.2720	0.1230	3.8000e-004		0.0113	0.0113		0.0104	0.0104	0.0000	32.9526	32.9526	0.0107	0.0000	33.2190
Total	**0.0242**	**0.2720**	**0.1230**	**3.8000e-004**		**0.0113**	**0.0113**		**0.0104**	**0.0104**	**0.0000**	**32.9526**	**32.9526**	**0.0107**	**0.0000**	**33.2190**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.7600e-003	0.2187	0.0692	5.3000e-004	0.0132	4.6000e-004	0.0136	3.8100e-003	4.4000e-004	4.2400e-003	0.0000	54.3406	54.3406	7.2100e-003	0.0000	54.5208
Worker	0.0222	0.0136	0.1599	6.4000e-004	0.0652	4.9000e-004	0.0657	0.0174	4.5000e-004	0.0178	0.0000	57.5609	57.5609	1.1100e-003	0.0000	57.5886
Total	**0.0279**	**0.2323**	**0.2291**	**1.1700e-003**	**0.0784**	**9.5000e-004**	**0.0794**	**0.0212**	**8.9000e-004**	**0.0220**	**0.0000**	**111.9015**	**111.9015**	**8.3200e-003**	**0.0000**	**112.1094**

3.12 Phase 1-C,D (Electric Cranes Only) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	3.8000e-004		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**3.8000e-004**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.7600e-003	0.2187	0.0692	5.3000e-004	0.0132	4.6000e-004	0.0136	3.8100e-003	4.4000e-004	4.2400e-003	0.0000	54.3406	54.3406	7.2100e-003	0.0000	54.5208
Worker	0.0222	0.0136	0.1599	6.4000e-004	0.0652	4.9000e-004	0.0657	0.0174	4.5000e-004	0.0178	0.0000	57.5609	57.5609	1.1100e-003	0.0000	57.5886
Total	**0.0279**	**0.2323**	**0.2291**	**1.1700e-003**	**0.0784**	**9.5000e-004**	**0.0794**	**0.0212**	**8.9000e-004**	**0.0220**	**0.0000**	**111.9015**	**111.9015**	**8.3200e-003**	**0.0000**	**112.1094**

3.12 Phase 1-C,D (Electric Cranes Only) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0914	0.9920	0.4770	1.5000e-003		0.0414	0.0414		0.0381	0.0381	0.0000	131.8076	131.8076	0.0426	0.0000	132.8733
Total	**0.0914**	**0.9920**	**0.4770**	**1.5000e-003**		**0.0414**	**0.0414**		**0.0381**	**0.0381**	**0.0000**	**131.8076**	**131.8076**	**0.0426**	**0.0000**	**132.8733**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0186	0.7252	0.2672	2.0500e-003	0.0527	1.0400e-003	0.0537	0.0152	1.0000e-003	0.0162	0.0000	211.9616	211.9616	0.0282	0.0000	212.6659
Worker	0.0839	0.0492	0.5974	2.4400e-003	0.2609	1.9200e-003	0.2628	0.0694	1.7700e-003	0.0712	0.0000	221.3508	221.3508	4.0200e-003	0.0000	221.4513
Total	**0.1025**	**0.7744**	**0.8646**	**4.4900e-003**	**0.3136**	**2.9600e-003**	**0.3166**	**0.0846**	**2.7700e-003**	**0.0874**	**0.0000**	**433.3123**	**433.3123**	**0.0322**	**0.0000**	**434.1172**

3.12 Phase 1-C,D (Electric Cranes Only) - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	1.5000e-003		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**1.5000e-003**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0186	0.7252	0.2672	2.0500e-003	0.0527	1.0400e-003	0.0537	0.0152	1.0000e-003	0.0162	0.0000	211.9616	211.9616	0.0282	0.0000	212.6659
Worker	0.0839	0.0492	0.5974	2.4400e-003	0.2609	1.9200e-003	0.2628	0.0694	1.7700e-003	0.0712	0.0000	221.3508	221.3508	4.0200e-003	0.0000	221.4513
Total	**0.1025**	**0.7744**	**0.8646**	**4.4900e-003**	**0.3136**	**2.9600e-003**	**0.3166**	**0.0846**	**2.7700e-003**	**0.0874**	**0.0000**	**433.3123**	**433.3123**	**0.0322**	**0.0000**	**434.1172**

3.12 Phase 1-C,D (Electric Cranes Only) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0581	0.6133	0.3106	1.0100e-003		0.0255	0.0255		0.0235	0.0235	0.0000	88.7148	88.7148	0.0287	0.0000	89.4321
Total	**0.0581**	**0.6133**	**0.3106**	**1.0100e-003**		**0.0255**	**0.0255**		**0.0235**	**0.0235**	**0.0000**	**88.7148**	**88.7148**	**0.0287**	**0.0000**	**89.4321**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0120	0.4762	0.1780	1.3600e-003	0.0355	6.7000e-004	0.0361	0.0103	6.4000e-004	0.0109	0.0000	141.3430	141.3430	0.0189	0.0000	141.8164
Worker	0.0537	0.0301	0.3768	1.5800e-003	0.1756	1.2800e-003	0.1769	0.0467	1.1800e-003	0.0479	0.0000	143.0547	143.0547	2.4600e-003	0.0000	143.1161
Total	**0.0657**	**0.5063**	**0.5548**	**2.9400e-003**	**0.2111**	**1.9500e-003**	**0.2130**	**0.0570**	**1.8200e-003**	**0.0588**	**0.0000**	**284.3976**	**284.3976**	**0.0214**	**0.0000**	**284.9325**

3.12 Phase 1-C,D (Electric Cranes Only) - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	1.0100e-003		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**1.0100e-003**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0120	0.4762	0.1780	1.3600e-003	0.0355	6.7000e-004	0.0361	0.0103	6.4000e-004	0.0109	0.0000	141.3430	141.3430	0.0189	0.0000	141.8164
Worker	0.0537	0.0301	0.3768	1.5800e-003	0.1756	1.2800e-003	0.1769	0.0467	1.1800e-003	0.0479	0.0000	143.0547	143.0547	2.4600e-003	0.0000	143.1161
Total	**0.0657**	**0.5063**	**0.5548**	**2.9400e-003**	**0.2111**	**1.9500e-003**	**0.2130**	**0.0570**	**1.8200e-003**	**0.0588**	**0.0000**	**284.3976**	**284.3976**	**0.0214**	**0.0000**	**284.9325**

3.13 Phase 1-E (Electric Cranes Only) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0121	0.1360	0.0615	1.9000e-004		5.6500e-003	5.6500e-003		5.1900e-003	5.1900e-003	0.0000	16.4763	16.4763	5.3300e-003	0.0000	16.6095
Total	**0.0121**	**0.1360**	**0.0615**	**1.9000e-004**		**5.6500e-003**	**5.6500e-003**		**5.1900e-003**	**5.1900e-003**	**0.0000**	**16.4763**	**16.4763**	**5.3300e-003**	**0.0000**	**16.6095**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6000e-003	0.0988	0.0313	2.4000e-004	5.9500e-003	2.1000e-004	6.1500e-003	1.7200e-003	2.0000e-004	1.9200e-003	0.0000	24.5409	24.5409	3.2500e-003	0.0000	24.6223
Worker	9.7700e-003	5.9800e-003	0.0705	2.8000e-004	0.0288	2.1000e-004	0.0290	7.6500e-003	2.0000e-004	7.8500e-003	0.0000	25.3812	25.3812	4.9000e-004	0.0000	25.3934
Total	**0.0124**	**0.1048**	**0.1018**	**5.2000e-004**	**0.0347**	**4.2000e-004**	**0.0351**	**9.3700e-003**	**4.0000e-004**	**9.7700e-003**	**0.0000**	**49.9221**	**49.9221**	**3.7400e-003**	**0.0000**	**50.0157**

3.13 Phase 1-E (Electric Cranes Only) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	1.9000e-004		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**1.9000e-004**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6000e-003	0.0988	0.0313	2.4000e-004	5.9500e-003	2.1000e-004	6.1500e-003	1.7200e-003	2.0000e-004	1.9200e-003	0.0000	24.5409	24.5409	3.2500e-003	0.0000	24.6223
Worker	9.7700e-003	5.9800e-003	0.0705	2.8000e-004	0.0288	2.1000e-004	0.0290	7.6500e-003	2.0000e-004	7.8500e-003	0.0000	25.3812	25.3812	4.9000e-004	0.0000	25.3934
Total	**0.0124**	**0.1048**	**0.1018**	**5.2000e-004**	**0.0347**	**4.2000e-004**	**0.0351**	**9.3700e-003**	**4.0000e-004**	**9.7700e-003**	**0.0000**	**49.9221**	**49.9221**	**3.7400e-003**	**0.0000**	**50.0157**

3.13 Phase 1-E (Electric Cranes Only) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0381	0.4140	0.1990	6.3000e-004		0.0173	0.0173		0.0159	0.0159	0.0000	55.0043	55.0043	0.0178	0.0000	55.4491
Total	**0.0381**	**0.4140**	**0.1990**	**6.3000e-004**		**0.0173**	**0.0173**		**0.0159**	**0.0159**	**0.0000**	**55.0043**	**55.0043**	**0.0178**	**0.0000**	**55.4491**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0100e-003	0.2734	0.1007	7.7000e-004	0.0199	3.9000e-004	0.0203	5.7400e-003	3.8000e-004	6.1100e-003	0.0000	79.8932	79.8932	0.0106	0.0000	80.1587
Worker	0.0309	0.0181	0.2199	9.0000e-004	0.0960	7.1000e-004	0.0967	0.0255	6.5000e-004	0.0262	0.0000	81.4614	81.4614	1.4800e-003	0.0000	81.4984
Total	**0.0379**	**0.2914**	**0.3206**	**1.6700e-003**	**0.1159**	**1.1000e-003**	**0.1170**	**0.0313**	**1.0300e-003**	**0.0323**	**0.0000**	**161.3546**	**161.3546**	**0.0121**	**0.0000**	**161.6571**

3.13 Phase 1-E (Electric Cranes Only) - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	6.3000e-004		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**6.3000e-004**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0100e-003	0.2734	0.1007	7.7000e-004	0.0199	3.9000e-004	0.0203	5.7400e-003	3.8000e-004	6.1100e-003	0.0000	79.8932	79.8932	0.0106	0.0000	80.1587
Worker	0.0309	0.0181	0.2199	9.0000e-004	0.0960	7.1000e-004	0.0967	0.0255	6.5000e-004	0.0262	0.0000	81.4614	81.4614	1.4800e-003	0.0000	81.4984
Total	**0.0379**	**0.2914**	**0.3206**	**1.6700e-003**	**0.1159**	**1.1000e-003**	**0.1170**	**0.0313**	**1.0300e-003**	**0.0323**	**0.0000**	**161.3546**	**161.3546**	**0.0121**	**0.0000**	**161.6571**

3.14 Phase 1-TH Architectural Coatings1 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2944					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.8600e-003	0.0610	0.0786	1.3000e-004		3.5400e-003	3.5400e-003		3.5400e-003	3.5400e-003	0.0000	11.0641	11.0641	7.2000e-004	0.0000	11.0821
Total	**0.3032**	**0.0610**	**0.0786**	**1.3000e-004**		**3.5400e-003**	**3.5400e-003**		**3.5400e-003**	**3.5400e-003**	**0.0000**	**11.0641**	**11.0641**	**7.2000e-004**	**0.0000**	**11.0821**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0152	9.2900e-003	0.1096	4.4000e-004	0.0447	3.3000e-004	0.0450	0.0119	3.1000e-004	0.0122	0.0000	39.4315	39.4315	7.6000e-004	0.0000	39.4505
Total	**0.0152**	**9.2900e-003**	**0.1096**	**4.4000e-004**	**0.0447**	**3.3000e-004**	**0.0450**	**0.0119**	**3.1000e-004**	**0.0122**	**0.0000**	**39.4315**	**39.4315**	**7.6000e-004**	**0.0000**	**39.4505**

3.14 Phase 1-TH Architectural Coatings1 - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2944					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.8600e-003	0.0610	0.0786	1.3000e-004		3.5400e-003	3.5400e-003		3.5400e-003	3.5400e-003	0.0000	11.0641	11.0641	7.2000e-004	0.0000	11.0821
Total	**0.3032**	**0.0610**	**0.0786**	**1.3000e-004**		**3.5400e-003**	**3.5400e-003**		**3.5400e-003**	**3.5400e-003**	**0.0000**	**11.0641**	**11.0641**	**7.2000e-004**	**0.0000**	**11.0821**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0152	9.2900e-003	0.1096	4.4000e-004	0.0447	3.3000e-004	0.0450	0.0119	3.1000e-004	0.0122	0.0000	39.4315	39.4315	7.6000e-004	0.0000	39.4505
Total	**0.0152**	**9.2900e-003**	**0.1096**	**4.4000e-004**	**0.0447**	**3.3000e-004**	**0.0450**	**0.0119**	**3.1000e-004**	**0.0122**	**0.0000**	**39.4315**	**39.4315**	**7.6000e-004**	**0.0000**	**39.4505**

3.14 Phase 1-TH Architectural Coatings1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3849					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0109	0.0738	0.1026	1.7000e-004		4.0100e-003	4.0100e-003		4.0100e-003	4.0100e-003	0.0000	14.4684	14.4684	8.7000e-004	0.0000	14.4901
Total	**0.3958**	**0.0738**	**0.1026**	**1.7000e-004**		**4.0100e-003**	**4.0100e-003**		**4.0100e-003**	**4.0100e-003**	**0.0000**	**14.4684**	**14.4684**	**8.7000e-004**	**0.0000**	**14.4901**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0188	0.0110	0.1338	5.5000e-004	0.0584	4.3000e-004	0.0589	0.0156	4.0000e-004	0.0159	0.0000	49.5727	49.5727	9.0000e-004	0.0000	49.5952
Total	**0.0188**	**0.0110**	**0.1338**	**5.5000e-004**	**0.0584**	**4.3000e-004**	**0.0589**	**0.0156**	**4.0000e-004**	**0.0159**	**0.0000**	**49.5727**	**49.5727**	**9.0000e-004**	**0.0000**	**49.5952**

3.14 Phase 1-TH Architectural Coatings1 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3849					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0109	0.0738	0.1026	1.7000e-004		4.0100e-003	4.0100e-003		4.0100e-003	4.0100e-003	0.0000	14.4684	14.4684	8.7000e-004	0.0000	14.4901
Total	**0.3958**	**0.0738**	**0.1026**	**1.7000e-004**		**4.0100e-003**	**4.0100e-003**		**4.0100e-003**	**4.0100e-003**	**0.0000**	**14.4684**	**14.4684**	**8.7000e-004**	**0.0000**	**14.4901**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0188	0.0110	0.1338	5.5000e-004	0.0584	4.3000e-004	0.0589	0.0156	4.0000e-004	0.0159	0.0000	49.5727	49.5727	9.0000e-004	0.0000	49.5952
Total	**0.0188**	**0.0110**	**0.1338**	**5.5000e-004**	**0.0584**	**4.3000e-004**	**0.0589**	**0.0156**	**4.0000e-004**	**0.0159**	**0.0000**	**49.5727**	**49.5727**	**9.0000e-004**	**0.0000**	**49.5952**

3.15 Phase 1-TH (HD Equipment Mix2) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0487	0.4180	0.4994	1.4700e-003		0.0164	0.0164		0.0156	0.0156	0.0000	127.9596	127.9596	0.0326	0.0000	128.7736
Total	**0.0487**	**0.4180**	**0.4994**	**1.4700e-003**		**0.0164**	**0.0164**		**0.0156**	**0.0156**	**0.0000**	**127.9596**	**127.9596**	**0.0326**	**0.0000**	**128.7736**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3600e-003	0.2089	0.0770	5.9000e-004	0.0152	3.0000e-004	0.0155	4.3900e-003	2.9000e-004	4.6700e-003	0.0000	61.0639	61.0639	8.1200e-003	0.0000	61.2668
Worker	0.0239	0.0140	0.1700	7.0000e-004	0.0743	5.5000e-004	0.0748	0.0198	5.0000e-004	0.0203	0.0000	62.9864	62.9864	1.1400e-003	0.0000	63.0150
Total	**0.0292**	**0.2229**	**0.2470**	**1.2900e-003**	**0.0894**	**8.5000e-004**	**0.0903**	**0.0241**	**7.9000e-004**	**0.0249**	**0.0000**	**124.0503**	**124.0503**	**9.2600e-003**	**0.0000**	**124.2818**

3.15 Phase 1-TH (HD Equipment Mix2) - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0484	0.6389	0.7391	1.4700e-003		0.0253	0.0253		0.0249	0.0249	0.0000	127.9594	127.9594	0.0326	0.0000	128.7734
Total	**0.0484**	**0.6389**	**0.7391**	**1.4700e-003**		**0.0253**	**0.0253**		**0.0249**	**0.0249**	**0.0000**	**127.9594**	**127.9594**	**0.0326**	**0.0000**	**128.7734**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3600e-003	0.2089	0.0770	5.9000e-004	0.0152	3.0000e-004	0.0155	4.3900e-003	2.9000e-004	4.6700e-003	0.0000	61.0639	61.0639	8.1200e-003	0.0000	61.2668
Worker	0.0239	0.0140	0.1700	7.0000e-004	0.0743	5.5000e-004	0.0748	0.0198	5.0000e-004	0.0203	0.0000	62.9864	62.9864	1.1400e-003	0.0000	63.0150
Total	**0.0292**	**0.2229**	**0.2470**	**1.2900e-003**	**0.0894**	**8.5000e-004**	**0.0903**	**0.0241**	**7.9000e-004**	**0.0249**	**0.0000**	**124.0503**	**124.0503**	**9.2600e-003**	**0.0000**	**124.2818**

3.16 Phase 1-E Architectural Coatings - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8729					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.1320	0.1835	3.0000e-004		7.1800e-003	7.1800e-003		7.1800e-003	7.1800e-003	0.0000	25.8730	25.8730	1.5500e-003	0.0000	25.9117
Total	**0.8923**	**0.1320**	**0.1835**	**3.0000e-004**		**7.1800e-003**	**7.1800e-003**		**7.1800e-003**	**7.1800e-003**	**0.0000**	**25.8730**	**25.8730**	**1.5500e-003**	**0.0000**	**25.9117**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.9100e-003	0.1915	0.0705	5.4000e-004	0.0139	2.8000e-004	0.0142	4.0200e-003	2.6000e-004	4.2800e-003	0.0000	55.9621	55.9621	7.4400e-003	0.0000	56.1480
Worker	0.0216	0.0127	0.1540	6.3000e-004	0.0673	5.0000e-004	0.0678	0.0179	4.6000e-004	0.0184	0.0000	57.0605	57.0605	1.0400e-003	0.0000	57.0864
Total	**0.0265**	**0.2041**	**0.2246**	**1.1700e-003**	**0.0812**	**7.8000e-004**	**0.0819**	**0.0219**	**7.2000e-004**	**0.0226**	**0.0000**	**113.0226**	**113.0226**	**8.4800e-003**	**0.0000**	**113.2344**

3.16 Phase 1-E Architectural Coatings - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8729					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.1320	0.1835	3.0000e-004		7.1800e-003	7.1800e-003		7.1800e-003	7.1800e-003	0.0000	25.8729	25.8729	1.5500e-003	0.0000	25.9116
Total	**0.8923**	**0.1320**	**0.1835**	**3.0000e-004**		**7.1800e-003**	**7.1800e-003**		**7.1800e-003**	**7.1800e-003**	**0.0000**	**25.8729**	**25.8729**	**1.5500e-003**	**0.0000**	**25.9116**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.9100e-003	0.1915	0.0705	5.4000e-004	0.0139	2.8000e-004	0.0142	4.0200e-003	2.6000e-004	4.2800e-003	0.0000	55.9621	55.9621	7.4400e-003	0.0000	56.1480
Worker	0.0216	0.0127	0.1540	6.3000e-004	0.0673	5.0000e-004	0.0678	0.0179	4.6000e-004	0.0184	0.0000	57.0605	57.0605	1.0400e-003	0.0000	57.0864
Total	**0.0265**	**0.2041**	**0.2246**	**1.1700e-003**	**0.0812**	**7.8000e-004**	**0.0819**	**0.0219**	**7.2000e-004**	**0.0226**	**0.0000**	**113.0226**	**113.0226**	**8.4800e-003**	**0.0000**	**113.2344**

3.17 Phase 1-TH (No HD Equipment1) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.8900e-003	0.0291	0.0595	9.0000e-005		5.0000e-004	5.0000e-004		4.6000e-004	4.6000e-004	0.0000	8.0402	8.0402	2.6000e-003	0.0000	8.1052
Total	**1.8900e-003**	**0.0291**	**0.0595**	**9.0000e-005**		**5.0000e-004**	**5.0000e-004**		**4.6000e-004**	**4.6000e-004**	**0.0000**	**8.0402**	**8.0402**	**2.6000e-003**	**0.0000**	**8.1052**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4100e-003	0.2109	0.0777	6.0000e-004	0.0153	3.0000e-004	0.0156	4.4300e-003	2.9000e-004	4.7200e-003	0.0000	61.6293	61.6293	8.1900e-003	0.0000	61.8341
Worker	0.0241	0.0141	0.1716	7.0000e-004	0.0749	5.5000e-004	0.0755	0.0199	5.1000e-004	0.0204	0.0000	63.5696	63.5696	1.1500e-003	0.0000	63.5985
Total	**0.0295**	**0.2250**	**0.2493**	**1.3000e-003**	**0.0903**	**8.5000e-004**	**0.0911**	**0.0244**	**8.0000e-004**	**0.0252**	**0.0000**	**125.1989**	**125.1989**	**9.3400e-003**	**0.0000**	**125.4326**

3.17 Phase 1-TH (No HD Equipment1) - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	9.0000e-005		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**9.0000e-005**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4100e-003	0.2109	0.0777	6.0000e-004	0.0153	3.0000e-004	0.0156	4.4300e-003	2.9000e-004	4.7200e-003	0.0000	61.6293	61.6293	8.1900e-003	0.0000	61.8341
Worker	0.0241	0.0141	0.1716	7.0000e-004	0.0749	5.5000e-004	0.0755	0.0199	5.1000e-004	0.0204	0.0000	63.5696	63.5696	1.1500e-003	0.0000	63.5985
Total	**0.0295**	**0.2250**	**0.2493**	**1.3000e-003**	**0.0903**	**8.5000e-004**	**0.0911**	**0.0244**	**8.0000e-004**	**0.0252**	**0.0000**	**125.1989**	**125.1989**	**9.3400e-003**	**0.0000**	**125.4326**

3.18 Phase 1-TH (Gradealls Only) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.4400e-003	0.0588	0.0961	1.4000e-004		1.8900e-003	1.8900e-003		1.7400e-003	1.7400e-003	0.0000	12.7185	12.7185	4.1100e-003	0.0000	12.8213
Total	**4.4400e-003**	**0.0588**	**0.0961**	**1.4000e-004**		**1.8900e-003**	**1.8900e-003**		**1.7400e-003**	**1.7400e-003**	**0.0000**	**12.7185**	**12.7185**	**4.1100e-003**	**0.0000**	**12.8213**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0400e-003	0.0406	0.0150	1.1000e-004	2.9500e-003	6.0000e-005	3.0100e-003	8.5000e-004	6.0000e-005	9.1000e-004	0.0000	11.8735	11.8735	1.5800e-003	0.0000	11.9130
Worker	4.6400e-003	2.7200e-003	0.0331	1.4000e-004	0.0144	1.1000e-004	0.0145	3.8400e-003	1.0000e-004	3.9400e-003	0.0000	12.2474	12.2474	2.2000e-004	0.0000	12.2529
Total	**5.6800e-003**	**0.0433**	**0.0480**	**2.5000e-004**	**0.0174**	**1.7000e-004**	**0.0176**	**4.6900e-003**	**1.6000e-004**	**4.8500e-003**	**0.0000**	**24.1209**	**24.1209**	**1.8000e-003**	**0.0000**	**24.1659**

3.18 Phase 1-TH (Gradealls Only) - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.4400e-003	0.0588	0.0961	1.4000e-004		1.8900e-003	1.8900e-003		1.7400e-003	1.7400e-003	0.0000	12.7185	12.7185	4.1100e-003	0.0000	12.8213
Total	**4.4400e-003**	**0.0588**	**0.0961**	**1.4000e-004**		**1.8900e-003**	**1.8900e-003**		**1.7400e-003**	**1.7400e-003**	**0.0000**	**12.7185**	**12.7185**	**4.1100e-003**	**0.0000**	**12.8213**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0400e-003	0.0406	0.0150	1.1000e-004	2.9500e-003	6.0000e-005	3.0100e-003	8.5000e-004	6.0000e-005	9.1000e-004	0.0000	11.8735	11.8735	1.5800e-003	0.0000	11.9130
Worker	4.6400e-003	2.7200e-003	0.0331	1.4000e-004	0.0144	1.1000e-004	0.0145	3.8400e-003	1.0000e-004	3.9400e-003	0.0000	12.2474	12.2474	2.2000e-004	0.0000	12.2529
Total	**5.6800e-003**	**0.0433**	**0.0480**	**2.5000e-004**	**0.0174**	**1.7000e-004**	**0.0176**	**4.6900e-003**	**1.6000e-004**	**4.8500e-003**	**0.0000**	**24.1209**	**24.1209**	**1.8000e-003**	**0.0000**	**24.1659**

3.18 Phase 1-TH (Gradealls Only) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0225	0.2971	0.5036	7.6000e-004		9.0500e-003	9.0500e-003		8.3200e-003	8.3200e-003	0.0000	66.6073	66.6073	0.0215	0.0000	67.1458
Total	**0.0225**	**0.2971**	**0.5036**	**7.6000e-004**		**9.0500e-003**	**9.0500e-003**		**8.3200e-003**	**8.3200e-003**	**0.0000**	**66.6073**	**66.6073**	**0.0215**	**0.0000**	**67.1458**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.2200e-003	0.2076	0.0776	5.9000e-004	0.0155	2.9000e-004	0.0158	4.4700e-003	2.8000e-004	4.7500e-003	0.0000	61.6177	61.6177	8.2600e-003	0.0000	61.8241
Worker	0.0231	0.0130	0.1622	6.8000e-004	0.0756	5.5000e-004	0.0762	0.0201	5.1000e-004	0.0206	0.0000	61.5988	61.5988	1.0600e-003	0.0000	61.6253
Total	**0.0283**	**0.2206**	**0.2398**	**1.2700e-003**	**0.0911**	**8.4000e-004**	**0.0919**	**0.0246**	**7.9000e-004**	**0.0254**	**0.0000**	**123.2165**	**123.2165**	**9.3200e-003**	**0.0000**	**123.4494**

3.18 Phase 1-TH (Gradealls Only) - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0225	0.2971	0.5036	7.6000e-004		9.0500e-003	9.0500e-003		8.3200e-003	8.3200e-003	0.0000	66.6072	66.6072	0.0215	0.0000	67.1458
Total	**0.0225**	**0.2971**	**0.5036**	**7.6000e-004**		**9.0500e-003**	**9.0500e-003**		**8.3200e-003**	**8.3200e-003**	**0.0000**	**66.6072**	**66.6072**	**0.0215**	**0.0000**	**67.1458**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.2200e-003	0.2076	0.0776	5.9000e-004	0.0155	2.9000e-004	0.0158	4.4700e-003	2.8000e-004	4.7500e-003	0.0000	61.6177	61.6177	8.2600e-003	0.0000	61.8241
Worker	0.0231	0.0130	0.1622	6.8000e-004	0.0756	5.5000e-004	0.0762	0.0201	5.1000e-004	0.0206	0.0000	61.5988	61.5988	1.0600e-003	0.0000	61.6253
Total	**0.0283**	**0.2206**	**0.2398**	**1.2700e-003**	**0.0911**	**8.4000e-004**	**0.0919**	**0.0246**	**7.9000e-004**	**0.0254**	**0.0000**	**123.2165**	**123.2165**	**9.3200e-003**	**0.0000**	**123.4494**

3.19 Phase 1-F Architectural Coatings - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2530					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0211	0.1422	0.2112	3.5000e-004		7.1100e-003	7.1100e-003		7.1100e-003	7.1100e-003	0.0000	29.7880	29.7880	1.6800e-003	0.0000	29.8299
Total	**1.2741**	**0.1422**	**0.2112**	**3.5000e-004**		**7.1100e-003**	**7.1100e-003**		**7.1100e-003**	**7.1100e-003**	**0.0000**	**29.7880**	**29.7880**	**1.6800e-003**	**0.0000**	**29.8299**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0342	0.0192	0.2403	1.0100e-003	0.1120	8.2000e-004	0.1128	0.0298	7.5000e-004	0.0306	0.0000	91.2396	91.2396	1.5700e-003	0.0000	91.2788
Total	**0.0342**	**0.0192**	**0.2403**	**1.0100e-003**	**0.1120**	**8.2000e-004**	**0.1128**	**0.0298**	**7.5000e-004**	**0.0306**	**0.0000**	**91.2396**	**91.2396**	**1.5700e-003**	**0.0000**	**91.2788**

3.19 Phase 1-F Architectural Coatings - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2530					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0211	0.1422	0.2112	3.5000e-004		7.1100e-003	7.1100e-003		7.1100e-003	7.1100e-003	0.0000	29.7879	29.7879	1.6800e-003	0.0000	29.8299
Total	**1.2741**	**0.1422**	**0.2112**	**3.5000e-004**		**7.1100e-003**	**7.1100e-003**		**7.1100e-003**	**7.1100e-003**	**0.0000**	**29.7879**	**29.7879**	**1.6800e-003**	**0.0000**	**29.8299**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0342	0.0192	0.2403	1.0100e-003	0.1120	8.2000e-004	0.1128	0.0298	7.5000e-004	0.0306	0.0000	91.2396	91.2396	1.5700e-003	0.0000	91.2788
Total	**0.0342**	**0.0192**	**0.2403**	**1.0100e-003**	**0.1120**	**8.2000e-004**	**0.1128**	**0.0298**	**7.5000e-004**	**0.0306**	**0.0000**	**91.2396**	**91.2396**	**1.5700e-003**	**0.0000**	**91.2788**

3.20 Phase 1-C,D Architectural Coatings - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0172					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0366	0.2470	0.3669	6.0000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	51.7459	51.7459	2.9100e-003	0.0000	51.8188
Total	**2.0538**	**0.2470**	**0.3669**	**6.0000e-004**		**0.0124**	**0.0124**		**0.0124**	**0.0124**	**0.0000**	**51.7459**	**51.7459**	**2.9100e-003**	**0.0000**	**51.8188**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0104	0.4136	0.1546	1.1800e-003	0.0308	5.8000e-004	0.0314	8.9000e-003	5.6000e-004	9.4600e-003	0.0000	122.7665	122.7665	0.0165	0.0000	123.1777
Worker	0.0466	0.0262	0.3273	1.3700e-003	0.1525	1.1100e-003	0.1537	0.0406	1.0200e-003	0.0416	0.0000	124.2532	124.2532	2.1400e-003	0.0000	124.3066
Total	**0.0570**	**0.4397**	**0.4819**	**2.5500e-003**	**0.1833**	**1.6900e-003**	**0.1850**	**0.0495**	**1.5800e-003**	**0.0511**	**0.0000**	**247.0197**	**247.0197**	**0.0186**	**0.0000**	**247.4842**

3.20 Phase 1-C,D Architectural Coatings - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0172					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0366	0.2470	0.3669	6.0000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	51.7459	51.7459	2.9100e-003	0.0000	51.8187
Total	**2.0538**	**0.2470**	**0.3669**	**6.0000e-004**		**0.0124**	**0.0124**		**0.0124**	**0.0124**	**0.0000**	**51.7459**	**51.7459**	**2.9100e-003**	**0.0000**	**51.8187**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0104	0.4136	0.1546	1.1800e-003	0.0308	5.8000e-004	0.0314	8.9000e-003	5.6000e-004	9.4600e-003	0.0000	122.7665	122.7665	0.0165	0.0000	123.1777
Worker	0.0466	0.0262	0.3273	1.3700e-003	0.1525	1.1100e-003	0.1537	0.0406	1.0200e-003	0.0416	0.0000	124.2532	124.2532	2.1400e-003	0.0000	124.3066
Total	**0.0570**	**0.4397**	**0.4819**	**2.5500e-003**	**0.1833**	**1.6900e-003**	**0.1850**	**0.0495**	**1.5800e-003**	**0.0511**	**0.0000**	**247.0197**	**247.0197**	**0.0186**	**0.0000**	**247.4842**

3.21 Phase 1-TH Architectural Coatings2 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6793					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0183	0.1235	0.1834	3.0000e-004		6.1700e-003	6.1700e-003		6.1700e-003	6.1700e-003	0.0000	25.8730	25.8730	1.4600e-003	0.0000	25.9094
Total	**0.6976**	**0.1235**	**0.1834**	**3.0000e-004**		**6.1700e-003**	**6.1700e-003**		**6.1700e-003**	**6.1700e-003**	**0.0000**	**25.8730**	**25.8730**	**1.4600e-003**	**0.0000**	**25.9094**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0320	0.0179	0.2242	9.4000e-004	0.1045	7.6000e-004	0.1053	0.0278	7.0000e-004	0.0285	0.0000	85.1183	85.1183	1.4600e-003	0.0000	85.1549
Total	**0.0320**	**0.0179**	**0.2242**	**9.4000e-004**	**0.1045**	**7.6000e-004**	**0.1053**	**0.0278**	**7.0000e-004**	**0.0285**	**0.0000**	**85.1183**	**85.1183**	**1.4600e-003**	**0.0000**	**85.1549**

3.21 Phase 1-TH Architectural Coatings2 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6793					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0183	0.1235	0.1834	3.0000e-004		6.1700e-003	6.1700e-003		6.1700e-003	6.1700e-003	0.0000	25.8729	25.8729	1.4600e-003	0.0000	25.9094
Total	**0.6976**	**0.1235**	**0.1834**	**3.0000e-004**		**6.1700e-003**	**6.1700e-003**		**6.1700e-003**	**6.1700e-003**	**0.0000**	**25.8729**	**25.8729**	**1.4600e-003**	**0.0000**	**25.9094**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0320	0.0179	0.2242	9.4000e-004	0.1045	7.6000e-004	0.1053	0.0278	7.0000e-004	0.0285	0.0000	85.1183	85.1183	1.4600e-003	0.0000	85.1549
Total	**0.0320**	**0.0179**	**0.2242**	**9.4000e-004**	**0.1045**	**7.6000e-004**	**0.1053**	**0.0278**	**7.0000e-004**	**0.0285**	**0.0000**	**85.1183**	**85.1183**	**1.4600e-003**	**0.0000**	**85.1549**

3.22 Phase 1-TH (Excavator/BobCats Only) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.0900e-003	0.0321	0.0440	1.6000e-004		1.0900e-003	1.0900e-003		1.0000e-003	1.0000e-003	0.0000	14.0320	14.0320	4.5400e-003	0.0000	14.1455
Total	**4.0900e-003**	**0.0321**	**0.0440**	**1.6000e-004**		**1.0900e-003**	**1.0900e-003**		**1.0000e-003**	**1.0000e-003**	**0.0000**	**14.0320**	**14.0320**	**4.5400e-003**	**0.0000**	**14.1455**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5000e-004	0.0377	0.0141	1.1000e-004	2.8100e-003	5.0000e-005	2.8600e-003	8.1000e-004	5.0000e-005	8.6000e-004	0.0000	11.2032	11.2032	1.5000e-003	0.0000	11.2407
Worker	4.2000e-003	2.3600e-003	0.0295	1.2000e-004	0.0138	1.0000e-004	0.0139	3.6600e-003	9.0000e-005	3.7500e-003	0.0000	11.1998	11.1998	1.9000e-004	0.0000	11.2046
Total	**5.1500e-003**	**0.0401**	**0.0436**	**2.3000e-004**	**0.0166**	**1.5000e-004**	**0.0167**	**4.4700e-003**	**1.4000e-004**	**4.6100e-003**	**0.0000**	**22.4030**	**22.4030**	**1.6900e-003**	**0.0000**	**22.4453**

3.22 Phase 1-TH (Excavator/BobCats Only) - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.0600e-003	0.0748	0.0884	1.6000e-004		2.7900e-003	2.7900e-003		2.7700e-003	2.7700e-003	0.0000	14.0320	14.0320	4.5400e-003	0.0000	14.1454
Total	**4.0600e-003**	**0.0748**	**0.0884**	**1.6000e-004**		**2.7900e-003**	**2.7900e-003**		**2.7700e-003**	**2.7700e-003**	**0.0000**	**14.0320**	**14.0320**	**4.5400e-003**	**0.0000**	**14.1454**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5000e-004	0.0377	0.0141	1.1000e-004	2.8100e-003	5.0000e-005	2.8600e-003	8.1000e-004	5.0000e-005	8.6000e-004	0.0000	11.2032	11.2032	1.5000e-003	0.0000	11.2407
Worker	4.2000e-003	2.3600e-003	0.0295	1.2000e-004	0.0138	1.0000e-004	0.0139	3.6600e-003	9.0000e-005	3.7500e-003	0.0000	11.1998	11.1998	1.9000e-004	0.0000	11.2046
Total	**5.1500e-003**	**0.0401**	**0.0436**	**2.3000e-004**	**0.0166**	**1.5000e-004**	**0.0167**	**4.4700e-003**	**1.4000e-004**	**4.6100e-003**	**0.0000**	**22.4030**	**22.4030**	**1.6900e-003**	**0.0000**	**22.4453**

3.23 Phase 1-TH (No HD Equipment2) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.8000e-004	0.0118	0.0246	4.0000e-005		2.1000e-004	2.1000e-004		1.9000e-004	1.9000e-004	0.0000	3.3193	3.3193	1.0700e-003	0.0000	3.3462
Total	**7.8000e-004**	**0.0118**	**0.0246**	**4.0000e-005**		**2.1000e-004**	**2.1000e-004**		**1.9000e-004**	**1.9000e-004**	**0.0000**	**3.3193**	**3.3193**	**1.0700e-003**	**0.0000**	**3.3462**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1300e-003	0.0849	0.0318	2.4000e-004	6.3200e-003	1.2000e-004	6.4400e-003	1.8300e-003	1.1000e-004	1.9400e-003	0.0000	25.2073	25.2073	3.3800e-003	0.0000	25.2917
Worker	9.4600e-003	5.3000e-003	0.0664	2.8000e-004	0.0309	2.3000e-004	0.0312	8.2300e-003	2.1000e-004	8.4400e-003	0.0000	25.1995	25.1995	4.3000e-004	0.0000	25.2103
Total	**0.0116**	**0.0902**	**0.0981**	**5.2000e-004**	**0.0373**	**3.5000e-004**	**0.0376**	**0.0101**	**3.2000e-004**	**0.0104**	**0.0000**	**50.4068**	**50.4068**	**3.8100e-003**	**0.0000**	**50.5020**

3.23 Phase 1-TH (No HD Equipment2) - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	4.0000e-005		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**4.0000e-005**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1300e-003	0.0849	0.0318	2.4000e-004	6.3200e-003	1.2000e-004	6.4400e-003	1.8300e-003	1.1000e-004	1.9400e-003	0.0000	25.2073	25.2073	3.3800e-003	0.0000	25.2917
Worker	9.4600e-003	5.3000e-003	0.0664	2.8000e-004	0.0309	2.3000e-004	0.0312	8.2300e-003	2.1000e-004	8.4400e-003	0.0000	25.1995	25.1995	4.3000e-004	0.0000	25.2103
Total	**0.0116**	**0.0902**	**0.0981**	**5.2000e-004**	**0.0373**	**3.5000e-004**	**0.0376**	**0.0101**	**3.2000e-004**	**0.0104**	**0.0000**	**50.4068**	**50.4068**	**3.8100e-003**	**0.0000**	**50.5020**

3.24 Phase 2-Material Off-Haul (No HD Equipment) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.1000e-004	0.0124	0.0257	4.0000e-005		2.1000e-004	2.1000e-004		2.0000e-004	2.0000e-004	0.0000	3.4669	3.4669	1.1200e-003	0.0000	3.4949
Total	**8.1000e-004**	**0.0124**	**0.0257**	**4.0000e-005**		**2.1000e-004**	**2.1000e-004**		**2.0000e-004**	**2.0000e-004**	**0.0000**	**3.4669**	**3.4669**	**1.1200e-003**	**0.0000**	**3.4949**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0274	1.0833	0.5763	3.8800e-003	0.0876	2.2300e-003	0.0899	0.0241	2.1300e-003	0.0262	0.0000	426.2822	426.2822	0.0848	0.0000	428.4016
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0274**	**1.0833**	**0.5763**	**3.8800e-003**	**0.0876**	**2.2300e-003**	**0.0899**	**0.0241**	**2.1300e-003**	**0.0262**	**0.0000**	**426.2822**	**426.2822**	**0.0848**	**0.0000**	**428.4016**

3.24 Phase 2-Material Off-Haul (No HD Equipment) - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	4.0000e-005		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**4.0000e-005**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0274	1.0833	0.5763	3.8800e-003	0.0876	2.2300e-003	0.0899	0.0241	2.1300e-003	0.0262	0.0000	426.2822	426.2822	0.0848	0.0000	428.4016
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0274**	**1.0833**	**0.5763**	**3.8800e-003**	**0.0876**	**2.2300e-003**	**0.0899**	**0.0241**	**2.1300e-003**	**0.0262**	**0.0000**	**426.2822**	**426.2822**	**0.0848**	**0.0000**	**428.4016**

3.25 Phase 2-G,A,H (HD Equipment Mix) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0978	0.7948	1.1012	2.4900e-003		0.0332	0.0332		0.0325	0.0325	0.0000	215.7900	215.7900	0.0385	0.0000	216.7524
Total	**0.0978**	**0.7948**	**1.1012**	**2.4900e-003**		**0.0332**	**0.0332**		**0.0325**	**0.0325**	**0.0000**	**215.7900**	**215.7900**	**0.0385**	**0.0000**	**216.7524**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.7900e-003	0.3894	0.1456	1.1100e-003	0.0290	5.5000e-004	0.0296	8.3800e-003	5.3000e-004	8.9100e-003	0.0000	115.6016	115.6016	0.0155	0.0000	115.9888
Worker	0.0410	0.0230	0.2876	1.2100e-003	0.1341	9.8000e-004	0.1350	0.0357	9.0000e-004	0.0366	0.0000	109.1979	109.1979	1.8800e-003	0.0000	109.2448
Total	**0.0508**	**0.4124**	**0.4332**	**2.3200e-003**	**0.1631**	**1.5300e-003**	**0.1646**	**0.0440**	**1.4300e-003**	**0.0455**	**0.0000**	**224.7995**	**224.7995**	**0.0174**	**0.0000**	**225.2336**

3.25 Phase 2-G,A,H (HD Equipment Mix) - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0976	1.0334	1.3491	2.4900e-003		0.0427	0.0427		0.0423	0.0423	0.0000	215.7898	215.7898	0.0385	0.0000	216.7521
Total	**0.0976**	**1.0334**	**1.3491**	**2.4900e-003**		**0.0427**	**0.0427**		**0.0423**	**0.0423**	**0.0000**	**215.7898**	**215.7898**	**0.0385**	**0.0000**	**216.7521**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.7900e-003	0.3894	0.1456	1.1100e-003	0.0290	5.5000e-004	0.0296	8.3800e-003	5.3000e-004	8.9100e-003	0.0000	115.6016	115.6016	0.0155	0.0000	115.9888
Worker	0.0410	0.0230	0.2876	1.2100e-003	0.1341	9.8000e-004	0.1350	0.0357	9.0000e-004	0.0366	0.0000	109.1979	109.1979	1.8800e-003	0.0000	109.2448
Total	**0.0508**	**0.4124**	**0.4332**	**2.3200e-003**	**0.1631**	**1.5300e-003**	**0.1646**	**0.0440**	**1.4300e-003**	**0.0455**	**0.0000**	**224.7995**	**224.7995**	**0.0174**	**0.0000**	**225.2336**

3.25 Phase 2-G,A,H (HD Equipment Mix) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0677	0.5398	0.8087	1.8300e-003		0.0212	0.0212		0.0207	0.0207	0.0000	158.8172	158.8172	0.0281	0.0000	159.5197
Total	**0.0677**	**0.5398**	**0.8087**	**1.8300e-003**		**0.0212**	**0.0212**		**0.0207**	**0.0207**	**0.0000**	**158.8172**	**158.8172**	**0.0281**	**0.0000**	**159.5197**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.9400e-003	0.2795	0.1072	8.1000e-004	0.0213	3.9000e-004	0.0217	6.1700e-003	3.7000e-004	6.5400e-003	0.0000	84.2617	84.2617	0.0114	0.0000	84.5465
Worker	0.0288	0.0155	0.1977	8.5000e-004	0.0986	7.1000e-004	0.0993	0.0262	6.6000e-004	0.0269	0.0000	77.0437	77.0437	1.2600e-003	0.0000	77.0752
Total	**0.0357**	**0.2950**	**0.3049**	**1.6600e-003**	**0.1199**	**1.1000e-003**	**0.1211**	**0.0324**	**1.0300e-003**	**0.0334**	**0.0000**	**161.3054**	**161.3054**	**0.0127**	**0.0000**	**161.6217**

3.25 Phase 2-G,A,H (HD Equipment Mix) - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0683	0.7277	0.9914	1.8300e-003		0.0285	0.0285		0.0283	0.0283	0.0000	158.8170	158.8170	0.0281	0.0000	159.5195
Total	**0.0683**	**0.7277**	**0.9914**	**1.8300e-003**		**0.0285**	**0.0285**		**0.0283**	**0.0283**	**0.0000**	**158.8170**	**158.8170**	**0.0281**	**0.0000**	**159.5195**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.9400e-003	0.2795	0.1072	8.1000e-004	0.0213	3.9000e-004	0.0217	6.1700e-003	3.7000e-004	6.5400e-003	0.0000	84.2617	84.2617	0.0114	0.0000	84.5465
Worker	0.0288	0.0155	0.1977	8.5000e-004	0.0986	7.1000e-004	0.0993	0.0262	6.6000e-004	0.0269	0.0000	77.0437	77.0437	1.2600e-003	0.0000	77.0752
Total	**0.0357**	**0.2950**	**0.3049**	**1.6600e-003**	**0.1199**	**1.1000e-003**	**0.1211**	**0.0324**	**1.0300e-003**	**0.0334**	**0.0000**	**161.3054**	**161.3054**	**0.0127**	**0.0000**	**161.6217**

3.26 Phase 2-B/Parking Structure (HD Equipment Mix) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0708	0.5729	0.7915	1.8700e-003		0.0236	0.0236		0.0230	0.0230	0.0000	161.6886	161.6886	0.0313	0.0000	162.4721
Total	**0.0708**	**0.5729**	**0.7915**	**1.8700e-003**		**0.0236**	**0.0236**		**0.0230**	**0.0230**	**0.0000**	**161.6886**	**161.6886**	**0.0313**	**0.0000**	**162.4721**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.4300e-003	0.2558	0.0956	7.3000e-004	0.0191	3.6000e-004	0.0194	5.5100e-003	3.5000e-004	5.8500e-003	0.0000	75.9344	75.9344	0.0102	0.0000	76.1887
Worker	0.0204	0.0114	0.1431	6.0000e-004	0.0667	4.9000e-004	0.0672	0.0177	4.5000e-004	0.0182	0.0000	54.3189	54.3189	9.3000e-004	0.0000	54.3423
Total	**0.0268**	**0.2672**	**0.2387**	**1.3300e-003**	**0.0857**	**8.5000e-004**	**0.0866**	**0.0233**	**8.0000e-004**	**0.0240**	**0.0000**	**130.2533**	**130.2533**	**0.0111**	**0.0000**	**130.5310**

3.26 Phase 2-B/Parking Structure (HD Equipment Mix) - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0706	0.7850	1.0118	1.8700e-003		0.0321	0.0321		0.0318	0.0318	0.0000	161.6884	161.6884	0.0313	0.0000	162.4719
Total	**0.0706**	**0.7850**	**1.0118**	**1.8700e-003**		**0.0321**	**0.0321**		**0.0318**	**0.0318**	**0.0000**	**161.6884**	**161.6884**	**0.0313**	**0.0000**	**162.4719**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.4300e-003	0.2558	0.0956	7.3000e-004	0.0191	3.6000e-004	0.0194	5.5100e-003	3.5000e-004	5.8500e-003	0.0000	75.9344	75.9344	0.0102	0.0000	76.1887
Worker	0.0204	0.0114	0.1431	6.0000e-004	0.0667	4.9000e-004	0.0672	0.0177	4.5000e-004	0.0182	0.0000	54.3189	54.3189	9.3000e-004	0.0000	54.3423
Total	**0.0268**	**0.2672**	**0.2387**	**1.3300e-003**	**0.0857**	**8.5000e-004**	**0.0866**	**0.0233**	**8.0000e-004**	**0.0240**	**0.0000**	**130.2533**	**130.2533**	**0.0111**	**0.0000**	**130.5310**

3.26 Phase 2-B/Parking Structure (HD Equipment Mix) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0491	0.3885	0.5812	1.3700e-003		0.0151	0.0151		0.0147	0.0147	0.0000	119.0064	119.0064	0.0229	0.0000	119.5793
Total	**0.0491**	**0.3885**	**0.5812**	**1.3700e-003**		**0.0151**	**0.0151**		**0.0147**	**0.0147**	**0.0000**	**119.0064**	**119.0064**	**0.0229**	**0.0000**	**119.5793**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.5600e-003	0.1836	0.0704	5.3000e-004	0.0140	2.5000e-004	0.0143	4.0500e-003	2.4000e-004	4.2900e-003	0.0000	55.3484	55.3484	7.4800e-003	0.0000	55.5354
Worker	0.0143	7.7000e-003	0.0983	4.2000e-004	0.0491	3.5000e-004	0.0494	0.0131	3.3000e-004	0.0134	0.0000	38.3243	38.3243	6.3000e-004	0.0000	38.3400
Total	**0.0189**	**0.1913**	**0.1688**	**9.5000e-004**	**0.0631**	**6.0000e-004**	**0.0637**	**0.0171**	**5.7000e-004**	**0.0177**	**0.0000**	**93.6727**	**93.6727**	**8.1100e-003**	**0.0000**	**93.8754**

3.26 Phase 2-B/Parking Structure (HD Equipment Mix) - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0496	0.5555	0.7436	1.3700e-003		0.0216	0.0216		0.0215	0.0215	0.0000	119.0063	119.0063	0.0229	0.0000	119.5792
Total	**0.0496**	**0.5555**	**0.7436**	**1.3700e-003**		**0.0216**	**0.0216**		**0.0215**	**0.0215**	**0.0000**	**119.0063**	**119.0063**	**0.0229**	**0.0000**	**119.5792**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.5600e-003	0.1836	0.0704	5.3000e-004	0.0140	2.5000e-004	0.0143	4.0500e-003	2.4000e-004	4.2900e-003	0.0000	55.3484	55.3484	7.4800e-003	0.0000	55.5354
Worker	0.0143	7.7000e-003	0.0983	4.2000e-004	0.0491	3.5000e-004	0.0494	0.0131	3.3000e-004	0.0134	0.0000	38.3243	38.3243	6.3000e-004	0.0000	38.3400
Total	**0.0189**	**0.1913**	**0.1688**	**9.5000e-004**	**0.0631**	**6.0000e-004**	**0.0637**	**0.0171**	**5.7000e-004**	**0.0177**	**0.0000**	**93.6727**	**93.6727**	**8.1100e-003**	**0.0000**	**93.8754**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0924	0.9361	0.5131	1.7100e-003		0.0398	0.0398		0.0366	0.0366	0.0000	149.8063	149.8063	0.0485	0.0000	151.0175
Total	**0.0924**	**0.9361**	**0.5131**	**1.7100e-003**		**0.0398**	**0.0398**		**0.0366**	**0.0366**	**0.0000**	**149.8063**	**149.8063**	**0.0485**	**0.0000**	**151.0175**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0214	0.8603	0.3301	2.4800e-003	0.0657	1.1900e-003	0.0669	0.0190	1.1400e-003	0.0201	0.0000	259.3680	259.3680	0.0351	0.0000	260.2447
Worker	0.0887	0.0477	0.6086	2.6200e-003	0.3036	2.1900e-003	0.3057	0.0808	2.0200e-003	0.0828	0.0000	237.1502	237.1502	3.8800e-003	0.0000	237.2472
Total	**0.1100**	**0.9080**	**0.9386**	**5.1000e-003**	**0.3692**	**3.3800e-003**	**0.3726**	**0.0997**	**3.1600e-003**	**0.1029**	**0.0000**	**496.5182**	**496.5182**	**0.0390**	**0.0000**	**497.4919**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	1.7100e-003		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**1.7100e-003**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0214	0.8603	0.3301	2.4800e-003	0.0657	1.1900e-003	0.0669	0.0190	1.1400e-003	0.0201	0.0000	259.3680	259.3680	0.0351	0.0000	260.2447
Worker	0.0887	0.0477	0.6086	2.6200e-003	0.3036	2.1900e-003	0.3057	0.0808	2.0200e-003	0.0828	0.0000	237.1502	237.1502	3.8800e-003	0.0000	237.2472
Total	**0.1100**	**0.9080**	**0.9386**	**5.1000e-003**	**0.3692**	**3.3800e-003**	**0.3726**	**0.0997**	**3.1600e-003**	**0.1029**	**0.0000**	**496.5182**	**496.5182**	**0.0390**	**0.0000**	**497.4919**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1225	1.2403	0.6798	2.2600e-003		0.0527	0.0527		0.0485	0.0485	0.0000	198.4743	198.4743	0.0642	0.0000	200.0791
Total	**0.1225**	**1.2403**	**0.6798**	**2.2600e-003**		**0.0527**	**0.0527**		**0.0485**	**0.0485**	**0.0000**	**198.4743**	**198.4743**	**0.0642**	**0.0000**	**200.0791**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0275	1.1122	0.4413	3.2500e-003	0.0870	1.5100e-003	0.0885	0.0252	1.4400e-003	0.0266	0.0000	340.6129	340.6129	0.0465	0.0000	341.7756
Worker	0.1127	0.0582	0.7575	3.3400e-003	0.4022	2.8300e-003	0.4050	0.1070	2.6000e-003	0.1096	0.0000	302.5824	302.5824	4.7200e-003	0.0000	302.7003
Total	**0.1402**	**1.1704**	**1.1988**	**6.5900e-003**	**0.4892**	**4.3400e-003**	**0.4935**	**0.1321**	**4.0400e-003**	**0.1362**	**0.0000**	**643.1953**	**643.1953**	**0.0512**	**0.0000**	**644.4759**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	2.2600e-003		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**2.2600e-003**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0275	1.1122	0.4413	3.2500e-003	0.0870	1.5100e-003	0.0885	0.0252	1.4400e-003	0.0266	0.0000	340.6129	340.6129	0.0465	0.0000	341.7756
Worker	0.1127	0.0582	0.7575	3.3400e-003	0.4022	2.8300e-003	0.4050	0.1070	2.6000e-003	0.1096	0.0000	302.5824	302.5824	4.7200e-003	0.0000	302.7003
Total	**0.1402**	**1.1704**	**1.1988**	**6.5900e-003**	**0.4892**	**4.3400e-003**	**0.4935**	**0.1321**	**4.0400e-003**	**0.1362**	**0.0000**	**643.1953**	**643.1953**	**0.0512**	**0.0000**	**644.4759**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.8500e-003	0.0998	0.0547	1.8000e-004		4.2400e-003	4.2400e-003		3.9000e-003	3.9000e-003	0.0000	15.9692	15.9692	5.1600e-003	0.0000	16.0983
Total	**9.8500e-003**	**0.0998**	**0.0547**	**1.8000e-004**		**4.2400e-003**	**4.2400e-003**		**3.9000e-003**	**3.9000e-003**	**0.0000**	**15.9692**	**15.9692**	**5.1600e-003**	**0.0000**	**16.0983**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1500e-003	0.0874	0.0358	2.6000e-004	7.0000e-003	1.2000e-004	7.1200e-003	2.0200e-003	1.1000e-004	2.1300e-003	0.0000	27.1737	27.1737	3.7500e-003	0.0000	27.2674
Worker	8.6900e-003	4.3300e-003	0.0575	2.6000e-004	0.0324	2.2000e-004	0.0326	8.6100e-003	2.0000e-004	8.8100e-003	0.0000	23.5276	23.5276	3.5000e-004	0.0000	23.5363
Total	**0.0108**	**0.0917**	**0.0933**	**5.2000e-004**	**0.0394**	**3.4000e-004**	**0.0397**	**0.0106**	**3.1000e-004**	**0.0109**	**0.0000**	**50.7013**	**50.7013**	**4.1000e-003**	**0.0000**	**50.8038**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	1.8000e-004		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**1.8000e-004**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1500e-003	0.0874	0.0358	2.6000e-004	7.0000e-003	1.2000e-004	7.1200e-003	2.0200e-003	1.1000e-004	2.1300e-003	0.0000	27.1737	27.1737	3.7500e-003	0.0000	27.2674
Worker	8.6900e-003	4.3300e-003	0.0575	2.6000e-004	0.0324	2.2000e-004	0.0326	8.6100e-003	2.0000e-004	8.8100e-003	0.0000	23.5276	23.5276	3.5000e-004	0.0000	23.5363
Total	**0.0108**	**0.0917**	**0.0933**	**5.2000e-004**	**0.0394**	**3.4000e-004**	**0.0397**	**0.0106**	**3.1000e-004**	**0.0109**	**0.0000**	**50.7013**	**50.7013**	**4.1000e-003**	**0.0000**	**50.8038**

3.28 Phase 2-B/Parking Structure (Electric Cranes Only) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0616	0.6241	0.3421	1.1400e-003		0.0265	0.0265		0.0244	0.0244	0.0000	99.8709	99.8709	0.0323	0.0000	100.6784
Total	**0.0616**	**0.6241**	**0.3421**	**1.1400e-003**		**0.0265**	**0.0265**		**0.0244**	**0.0244**	**0.0000**	**99.8709**	**99.8709**	**0.0323**	**0.0000**	**100.6784**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0140	0.5651	0.2168	1.6300e-003	0.0431	7.8000e-004	0.0439	0.0125	7.5000e-004	0.0132	0.0000	170.3692	170.3692	0.0230	0.0000	170.9450
Worker	0.0441	0.0237	0.3027	1.3000e-003	0.1510	1.0900e-003	0.1521	0.0402	1.0000e-003	0.0412	0.0000	117.9670	117.9670	1.9300e-003	0.0000	118.0153
Total	**0.0581**	**0.5888**	**0.5195**	**2.9300e-003**	**0.1941**	**1.8700e-003**	**0.1960**	**0.0526**	**1.7500e-003**	**0.0544**	**0.0000**	**288.3362**	**288.3362**	**0.0250**	**0.0000**	**288.9603**

3.28 Phase 2-B/Parking Structure (Electric Cranes Only) - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	1.1400e-003		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**1.1400e-003**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0140	0.5651	0.2168	1.6300e-003	0.0431	7.8000e-004	0.0439	0.0125	7.5000e-004	0.0132	0.0000	170.3692	170.3692	0.0230	0.0000	170.9450
Worker	0.0441	0.0237	0.3027	1.3000e-003	0.1510	1.0900e-003	0.1521	0.0402	1.0000e-003	0.0412	0.0000	117.9670	117.9670	1.9300e-003	0.0000	118.0153
Total	**0.0581**	**0.5888**	**0.5195**	**2.9300e-003**	**0.1941**	**1.8700e-003**	**0.1960**	**0.0526**	**1.7500e-003**	**0.0544**	**0.0000**	**288.3362**	**288.3362**	**0.0250**	**0.0000**	**288.9603**

3.28 Phase 2-B/Parking Structure (Electric Cranes Only) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0269	0.2724	0.1493	5.0000e-004		0.0116	0.0116		0.0107	0.0107	0.0000	43.5984	43.5984	0.0141	0.0000	43.9510
Total	**0.0269**	**0.2724**	**0.1493**	**5.0000e-004**		**0.0116**	**0.0116**		**0.0107**	**0.0107**	**0.0000**	**43.5984**	**43.5984**	**0.0141**	**0.0000**	**43.9510**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.9500e-003	0.2407	0.0955	7.0000e-004	0.0188	3.3000e-004	0.0192	5.4400e-003	3.1000e-004	5.7600e-003	0.0000	73.7214	73.7214	0.0101	0.0000	73.9731
Worker	0.0185	9.5300e-003	0.1242	5.5000e-004	0.0659	4.6000e-004	0.0664	0.0175	4.3000e-004	0.0180	0.0000	49.5951	49.5951	7.7000e-004	0.0000	49.6144
Total	**0.0244**	**0.2503**	**0.2197**	**1.2500e-003**	**0.0848**	**7.9000e-004**	**0.0855**	**0.0230**	**7.4000e-004**	**0.0237**	**0.0000**	**123.3165**	**123.3165**	**0.0108**	**0.0000**	**123.5875**

3.28 Phase 2-B/Parking Structure (Electric Cranes Only) - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	5.0000e-004		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**5.0000e-004**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.9500e-003	0.2407	0.0955	7.0000e-004	0.0188	3.3000e-004	0.0192	5.4400e-003	3.1000e-004	5.7600e-003	0.0000	73.7214	73.7214	0.0101	0.0000	73.9731
Worker	0.0185	9.5300e-003	0.1242	5.5000e-004	0.0659	4.6000e-004	0.0664	0.0175	4.3000e-004	0.0180	0.0000	49.5951	49.5951	7.7000e-004	0.0000	49.6144
Total	**0.0244**	**0.2503**	**0.2197**	**1.2500e-003**	**0.0848**	**7.9000e-004**	**0.0855**	**0.0230**	**7.4000e-004**	**0.0237**	**0.0000**	**123.3165**	**123.3165**	**0.0108**	**0.0000**	**123.5875**

3.29 Phase 2-B/Parking Structure Architectural Coatings - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2827					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0150	0.1008	0.1592	2.6000e-004		4.5300e-003	4.5300e-003		4.5300e-003	4.5300e-003	0.0000	22.4686	22.4686	1.2300e-003	0.0000	22.4993
Total	**0.2977**	**0.1008**	**0.1592**	**2.6000e-004**		**4.5300e-003**	**4.5300e-003**		**4.5300e-003**	**4.5300e-003**	**0.0000**	**22.4686**	**22.4686**	**1.2300e-003**	**0.0000**	**22.4993**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.5200e-003	8.5000e-004	1.0000e-005	2.5000e-004	0.0000	2.5000e-004	6.0000e-005	0.0000	7.0000e-005	0.0000	0.5994	0.5994	1.2000e-004	0.0000	0.6025
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0148	7.9400e-003	0.1014	4.4000e-004	0.0506	3.7000e-004	0.0510	0.0135	3.4000e-004	0.0138	0.0000	39.5220	39.5220	6.5000e-004	0.0000	39.5381
Total	**0.0148**	**9.4600e-003**	**0.1023**	**4.5000e-004**	**0.0508**	**3.7000e-004**	**0.0512**	**0.0135**	**3.4000e-004**	**0.0139**	**0.0000**	**40.1214**	**40.1214**	**7.7000e-004**	**0.0000**	**40.1406**

3.29 Phase 2-B/Parking Structure Architectural Coatings - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2827					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0150	0.1008	0.1592	2.6000e-004		4.5300e-003	4.5300e-003		4.5300e-003	4.5300e-003	0.0000	22.4686	22.4686	1.2300e-003	0.0000	22.4993
Total	**0.2977**	**0.1008**	**0.1592**	**2.6000e-004**		**4.5300e-003**	**4.5300e-003**		**4.5300e-003**	**4.5300e-003**	**0.0000**	**22.4686**	**22.4686**	**1.2300e-003**	**0.0000**	**22.4993**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.5200e-003	8.5000e-004	1.0000e-005	2.5000e-004	0.0000	2.5000e-004	6.0000e-005	0.0000	7.0000e-005	0.0000	0.5994	0.5994	1.2000e-004	0.0000	0.6025
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0148	7.9400e-003	0.1014	4.4000e-004	0.0506	3.7000e-004	0.0510	0.0135	3.4000e-004	0.0138	0.0000	39.5220	39.5220	6.5000e-004	0.0000	39.5381
Total	**0.0148**	**9.4600e-003**	**0.1023**	**4.5000e-004**	**0.0508**	**3.7000e-004**	**0.0512**	**0.0135**	**3.4000e-004**	**0.0139**	**0.0000**	**40.1214**	**40.1214**	**7.7000e-004**	**0.0000**	**40.1406**

3.29 Phase 2-B/Parking Structure Architectural Coatings - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3683					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0196	0.1314	0.2075	3.4000e-004		5.9100e-003	5.9100e-003		5.9100e-003	5.9100e-003	0.0000	29.2773	29.2773	1.6000e-003	0.0000	29.3172
Total	**0.3879**	**0.1314**	**0.2075**	**3.4000e-004**		**5.9100e-003**	**5.9100e-003**		**5.9100e-003**	**5.9100e-003**	**0.0000**	**29.2773**	**29.2773**	**1.6000e-003**	**0.0000**	**29.3172**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	1.8900e-003	1.1400e-003	1.0000e-005	2.5000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.7721	0.7721	1.6000e-004	0.0000	0.7761
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0185	9.5300e-003	0.1242	5.5000e-004	0.0659	4.6000e-004	0.0664	0.0175	4.3000e-004	0.0180	0.0000	49.5951	49.5951	7.7000e-004	0.0000	49.6144
Total	**0.0185**	**0.0114**	**0.1253**	**5.6000e-004**	**0.0662**	**4.6000e-004**	**0.0666**	**0.0176**	**4.3000e-004**	**0.0180**	**0.0000**	**50.3672**	**50.3672**	**9.3000e-004**	**0.0000**	**50.3906**

3.29 Phase 2-B/Parking Structure Architectural Coatings - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3683					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0196	0.1314	0.2075	3.4000e-004		5.9100e-003	5.9100e-003		5.9100e-003	5.9100e-003	0.0000	29.2773	29.2773	1.6000e-003	0.0000	29.3172
Total	**0.3879**	**0.1314**	**0.2075**	**3.4000e-004**		**5.9100e-003**	**5.9100e-003**		**5.9100e-003**	**5.9100e-003**	**0.0000**	**29.2773**	**29.2773**	**1.6000e-003**	**0.0000**	**29.3172**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	1.8900e-003	1.1400e-003	1.0000e-005	2.5000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.7721	0.7721	1.6000e-004	0.0000	0.7761
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0185	9.5300e-003	0.1242	5.5000e-004	0.0659	4.6000e-004	0.0664	0.0175	4.3000e-004	0.0180	0.0000	49.5951	49.5951	7.7000e-004	0.0000	49.6144
Total	**0.0185**	**0.0114**	**0.1253**	**5.6000e-004**	**0.0662**	**4.6000e-004**	**0.0666**	**0.0176**	**4.3000e-004**	**0.0180**	**0.0000**	**50.3672**	**50.3672**	**9.3000e-004**	**0.0000**	**50.3906**

3.30 Phase 2-G,A,H Architectural Coatings - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.7152					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0598	0.4009	0.6332	1.0400e-003		0.0180	0.0180		0.0180	0.0180	0.0000	89.3639	89.3639	4.8700e-003	0.0000	89.4858
Total	**2.7750**	**0.4009**	**0.6332**	**1.0400e-003**		**0.0180**	**0.0180**		**0.0180**	**0.0180**	**0.0000**	**89.3639**	**89.3639**	**4.8700e-003**	**0.0000**	**89.4858**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0756	0.0390	0.5079	2.2400e-003	0.2697	1.9000e-003	0.2715	0.0717	1.7400e-003	0.0735	0.0000	202.8809	202.8809	3.1600e-003	0.0000	202.9600
Total	**0.0756**	**0.0390**	**0.5079**	**2.2400e-003**	**0.2697**	**1.9000e-003**	**0.2715**	**0.0717**	**1.7400e-003**	**0.0735**	**0.0000**	**202.8809**	**202.8809**	**3.1600e-003**	**0.0000**	**202.9600**

3.30 Phase 2-G,A,H Architectural Coatings - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.7152					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0598	0.4009	0.6332	1.0400e-003		0.0180	0.0180		0.0180	0.0180	0.0000	89.3638	89.3638	4.8700e-003	0.0000	89.4856
Total	**2.7750**	**0.4009**	**0.6332**	**1.0400e-003**		**0.0180**	**0.0180**		**0.0180**	**0.0180**	**0.0000**	**89.3638**	**89.3638**	**4.8700e-003**	**0.0000**	**89.4856**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0756	0.0390	0.5079	2.2400e-003	0.2697	1.9000e-003	0.2715	0.0717	1.7400e-003	0.0735	0.0000	202.8809	202.8809	3.1600e-003	0.0000	202.9600
Total	**0.0756**	**0.0390**	**0.5079**	**2.2400e-003**	**0.2697**	**1.9000e-003**	**0.2715**	**0.0717**	**1.7400e-003**	**0.0735**	**0.0000**	**202.8809**	**202.8809**	**3.1600e-003**	**0.0000**	**202.9600**

3.30 Phase 2-G,A,H Architectural Coatings - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3258					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1800e-003	0.0481	0.0760	1.2000e-004		2.1600e-003	2.1600e-003		2.1600e-003	2.1600e-003	0.0000	10.7237	10.7237	5.8000e-004	0.0000	10.7383
Total	**0.3330**	**0.0481**	**0.0760**	**1.2000e-004**		**2.1600e-003**	**2.1600e-003**		**2.1600e-003**	**2.1600e-003**	**0.0000**	**10.7237**	**10.7237**	**5.8000e-004**	**0.0000**	**10.7383**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6900e-003	4.3300e-003	0.0575	2.6000e-004	0.0324	2.2000e-004	0.0326	8.6100e-003	2.0000e-004	8.8100e-003	0.0000	23.5276	23.5276	3.5000e-004	0.0000	23.5363
Total	**8.6900e-003**	**4.3300e-003**	**0.0575**	**2.6000e-004**	**0.0324**	**2.2000e-004**	**0.0326**	**8.6100e-003**	**2.0000e-004**	**8.8100e-003**	**0.0000**	**23.5276**	**23.5276**	**3.5000e-004**	**0.0000**	**23.5363**

3.30 Phase 2-G,A,H Architectural Coatings - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3258					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1800e-003	0.0481	0.0760	1.2000e-004		2.1600e-003	2.1600e-003		2.1600e-003	2.1600e-003	0.0000	10.7237	10.7237	5.8000e-004	0.0000	10.7383
Total	**0.3330**	**0.0481**	**0.0760**	**1.2000e-004**		**2.1600e-003**	**2.1600e-003**		**2.1600e-003**	**2.1600e-003**	**0.0000**	**10.7237**	**10.7237**	**5.8000e-004**	**0.0000**	**10.7383**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6900e-003	4.3300e-003	0.0575	2.6000e-004	0.0324	2.2000e-004	0.0326	8.6100e-003	2.0000e-004	8.8100e-003	0.0000	23.5276	23.5276	3.5000e-004	0.0000	23.5363
Total	**8.6900e-003**	**4.3300e-003**	**0.0575**	**2.6000e-004**	**0.0324**	**2.2000e-004**	**0.0326**	**8.6100e-003**	**2.0000e-004**	**8.8100e-003**	**0.0000**	**23.5276**	**23.5276**	**3.5000e-004**	**0.0000**	**23.5363**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.7064	6.6091	18.8178	0.0711	6.6104	0.0753	6.6857	1.7802	0.0704	1.8506	0.0000	6,548.0841	6,548.0841	0.2712	0.0000	6,554.8628
Unmitigated	1.7064	6.6091	18.8178	0.0711	6.6104	0.0753	6.6857	1.7802	0.0704	1.8506	0.0000	6,548.0841	6,548.0841	0.2712	0.0000	6,554.8628

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	7,315.00	7,029.00	6446.00	16,513,692	16,513,692
City Park	7.56	91.00	66.96	59,703	59,703
Day-Care Center	740.60	62.10	58.30	643,221	643,221
Enclosed Parking with Elevator	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Strip Mall	332.40	315.30	153.23	468,726	468,726
Total	8,395.56	7,497.40	6,724.49	17,685,341	17,685,341

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Day-Care Center	9.50	7.30	7.30	12.70	82.30	5.00	28	58	14
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.604697	0.038136	0.192426	0.089922	0.013708	0.005077	0.031210	0.009257	0.004288	0.003553	0.006262	0.000945	0.000519
City Park	0.604697	0.038136	0.192426	0.089922	0.013708	0.005077	0.031210	0.009257	0.004288	0.003553	0.006262	0.000945	0.000519
Day-Care Center	0.604697	0.038136	0.192426	0.089922	0.013708	0.005077	0.031210	0.009257	0.004288	0.003553	0.006262	0.000945	0.000519
Enclosed Parking with Elevator	0.604697	0.038136	0.192426	0.089922	0.013708	0.005077	0.031210	0.009257	0.004288	0.003553	0.006262	0.000945	0.000519
Other Asphalt Surfaces	0.604697	0.038136	0.192426	0.089922	0.013708	0.005077	0.031210	0.009257	0.004288	0.003553	0.006262	0.000945	0.000519
Strip Mall	0.604697	0.038136	0.192426	0.089922	0.013708	0.005077	0.031210	0.009257	0.004288	0.003553	0.006262	0.000945	0.000519

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Balboa Reservoir-Unmitigated Developer Option Construction - San Francisco County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,966.2715	1,966.2715	0.0889	0.0184	1,973.9759
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,966.2715	1,966.2715	0.0889	0.0184	1,973.9759
NaturalGas Mitigated	0.0529	0.4523	0.1965	2.8800e-003		0.0365	0.0365		0.0365	0.0365	0.0000	523.1080	523.1080	0.0100	9.5900e-003	526.2165
NaturalGas Unmitigated	0.0529	0.4523	0.1965	2.8800e-003		0.0365	0.0365		0.0365	0.0365	0.0000	523.1080	523.1080	0.0100	9.5900e-003	526.2165

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	9.60347e+006	0.0518	0.4425	0.1883	2.8200e-003		0.0358	0.0358		0.0358	0.0358	0.0000	512.4779	512.4779	9.8200e-003	9.4000e-003	515.5233
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Day-Care Center	164700	8.9000e-004	8.0700e-003	6.7800e-003	5.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	8.7890	8.7890	1.7000e-004	1.6000e-004	8.8413
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	34500	1.9000e-004	1.6900e-003	1.4200e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.8411	1.8411	4.0000e-005	3.0000e-005	1.8520
Total		**0.0529**	**0.4523**	**0.1965**	**2.8800e-003**		**0.0365**	**0.0365**		**0.0365**	**0.0365**	**0.0000**	**523.1080**	**523.1080**	**0.0100**	**9.5900e-003**	**526.2165**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	9.60347e+006	0.0518	0.4425	0.1883	2.8200e-003		0.0358	0.0358		0.0358	0.0358	0.0000	512.4779	512.4779	9.8200e-003	9.4000e-003	515.5233
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Day-Care Center	164700	8.9000e-004	8.0700e-003	6.7800e-003	5.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	8.7890	8.7890	1.7000e-004	1.6000e-004	8.8413
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	34500	1.9000e-004	1.6900e-003	1.4200e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.8411	1.8411	4.0000e-005	3.0000e-005	1.8520
Total		**0.0529**	**0.4523**	**0.1965**	**2.8800e-003**		**0.0365**	**0.0365**		**0.0365**	**0.0365**	**0.0000**	**523.1080**	**523.1080**	**0.0100**	**9.5900e-003**	**526.2165**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	4.64419e+006	1,351.0478	0.0611	0.0126	1,356.3416
City Park	0	0.0000	0.0000	0.0000	0.0000
Day-Care Center	44400	12.9165	5.8000e-004	1.2000e-004	12.9671
Enclosed Parking with Elevator	1.99181e+006	579.4415	0.0262	5.4200e-003	581.7120
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	78600	22.8656	1.0300e-003	2.1000e-004	22.9552
Total		**1,966.2715**	**0.0889**	**0.0184**	**1,973.9759**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	4.64419e+006	1,351.0478	0.0611	0.0126	1,356.3416
City Park	0	0.0000	0.0000	0.0000	0.0000
Day-Care Center	44400	12.9165	5.8000e-004	1.2000e-004	12.9671
Enclosed Parking with Elevator	1.99181e+006	579.4415	0.0262	5.4200e-003	581.7120
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	78600	22.8656	1.0300e-003	2.1000e-004	22.9552
Total		**1,966.2715**	**0.0889**	**0.0184**	**1,973.9759**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	8.8216	0.1526	11.6713	7.3900e-003		0.5450	0.5450		0.5450	0.5450	50.1487	33.9638	84.1125	0.0935	3.2900e-003	87.4291
Unmitigated	8.8216	0.1526	11.6713	7.3900e-003		0.5450	0.5450		0.5450	0.5450	50.1487	33.9638	84.1125	0.0935	3.2900e-003	87.4291

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.9230					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.1140					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.5380	0.0584	3.4949	6.9500e-003		0.4997	0.4997		0.4997	0.4997	50.1487	20.5985	70.7472	0.0806	3.2900e-003	73.7421
Landscaping	0.2466	0.0942	8.1764	4.3000e-004		0.0453	0.0453		0.0453	0.0453	0.0000	13.3654	13.3654	0.0129	0.0000	13.6869
Total	**8.8216**	**0.1526**	**11.6713**	**7.3800e-003**		**0.5450**	**0.5450**		**0.5450**	**0.5450**	**50.1487**	**33.9638**	**84.1125**	**0.0935**	**3.2900e-003**	**87.4291**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.9230					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.1140					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.5380	0.0584	3.4949	6.9500e-003		0.4997	0.4997		0.4997	0.4997	50.1487	20.5985	70.7472	0.0806	3.2900e-003	73.7421
Landscaping	0.2466	0.0942	8.1764	4.3000e-004		0.0453	0.0453		0.0453	0.0453	0.0000	13.3654	13.3654	0.0129	0.0000	13.6869
Total	**8.8216**	**0.1526**	**11.6713**	**7.3800e-003**		**0.5450**	**0.5450**		**0.5450**	**0.5450**	**50.1487**	**33.9638**	**84.1125**	**0.0935**	**3.2900e-003**	**87.4291**

7.0 Water Detail

7.1 Mitigation Measures Water

Balboa Reservoir-Unmitigated Developer Option Construction - San Francisco County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	189.7428	2.3750	0.0575	266.2399
Unmitigated	189.7428	2.3750	0.0575	266.2399

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	71.6694 / 45.1829	181.5586	2.3425	0.0566	256.9972
City Park	0 / 4.76593	4.8526	2.2000e-004	5.0000e-005	4.8716
Day-Care Center	0.428896 / 1.10287	1.9341	0.0141	3.5000e-004	2.3889
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.555544 / 0.340495	1.3974	0.0182	4.4000e-004	1.9822
Total		**189.7428**	**2.3750**	**0.0575**	**266.2399**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	71.6694 / 45.1829	181.5586	2.3425	0.0566	256.9972
City Park	0 / 4.76593	4.8526	2.2000e-004	5.0000e-005	4.8716
Day-Care Center	0.428896 / 1.10287	1.9341	0.0141	3.5000e-004	2.3889
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.555544 / 0.340495	1.3974	0.0182	4.4000e-004	1.9822
Total		**189.7428**	**2.3750**	**0.0575**	**266.2399**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	107.0209	6.3248	0.0000	265.1397
Unmitigated	107.0209	6.3248	0.0000	265.1397

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	506	102.7134	6.0702	0.0000	254.4682
City Park	0.34	0.0690	4.0800e-003	0.0000	0.1710
Day-Care Center	13	2.6389	0.1560	0.0000	6.5377
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	7.88	1.5996	0.0945	0.0000	3.9629
Total		**107.0209**	**6.3248**	**0.0000**	**265.1397**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	506	102.7134	6.0702	0.0000	254.4682
City Park	0.34	0.0690	4.0800e-003	0.0000	0.1710
Day-Care Center	13	2.6389	0.1560	0.0000	6.5377
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	7.88	1.5996	0.0945	0.0000	3.9629
Total		**107.0209**	**6.3248**	**0.0000**	**265.1397**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

A2 CalEEMod Output: Developer's Proposed Option – Mitigated Construction Emissions

Balboa Reservoir-Mitigated Developer Option Construction

San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Day-Care Center	10.00	1000sqft	0.00	10,000.00	0
Enclosed Parking with Elevator	1,300.00	Space	0.00	339,900.00	0
Other Asphalt Surfaces	4.00	Acre	4.00	174,240.00	0
City Park	4.00	Acre	4.00	174,240.00	0
Apartments Mid Rise	1,100.00	Dwelling Unit	13.00	1,283,000.00	3146
Strip Mall	7.50	1000sqft	0.00	7,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	4.6	**Precipitation Freq (Days)**	64
Climate Zone	5			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project Specific Information

Table Name	Column Name	Default Value	New Value
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2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	1.6642	17.6229	10.7806	0.0268	2.6786	0.7448	3.4234	1.3778	0.6861	2.0639	0.0000	2,363.8288	2,363.8288	0.7222	0.0000	2,381.8839
2022	1.3866	12.0662	11.9688	0.0309	1.2199	0.4810	1.7009	0.4216	0.4542	0.8758	0.0000	2,779.8246	2,779.8246	0.4950	0.0000	2,792.1993
2023	1.3337	10.5849	11.6622	0.0299	0.9848	0.4012	1.3859	0.2656	0.3775	0.6431	0.0000	2,714.9212	2,714.9212	0.4328	0.0000	2,725.7403
2024	1.5323	10.5028	12.1332	0.0349	1.2271	0.3253	1.5525	0.3309	0.3087	0.6396	0.0000	3,248.4273	3,248.4273	0.4892	0.0000	3,260.6583
2025	0.8117	6.9127	7.7284	0.0225	0.7972	0.2138	1.0110	0.2154	0.2015	0.4169	0.0000	2,065.6372	2,065.6372	0.3162	0.0000	2,073.5433
2026	0.9504	5.1986	6.2486	0.0186	0.9097	0.1668	1.0766	0.2445	0.1573	0.4018	0.0000	1,705.8914	1,705.8914	0.2206	0.0000	1,711.4069
2027	0.0770	0.3458	0.4344	1.3100e-003	0.0717	0.0113	0.0830	0.0192	0.0107	0.0299	0.0000	120.6157	120.6157	0.0144	0.0000	120.9760
Maximum	**1.6642**	**17.6229**	**12.1332**	**0.0349**	**2.6786**	**0.7448**	**3.4234**	**1.3778**	**0.6861**	**2.0639**	**0.0000**	**3,248.4273**	**3,248.4273**	**0.7222**	**0.0000**	**3,260.6583**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.9602	8.6937	12.5177	0.0268	2.6786	0.3918	3.0704	1.3778	0.3628	1.7406	0.0000	2,363.8261	2,363.8261	0.7222	0.0000	2,381.8811
2022	1.0265	8.3500	12.7527	0.0309	1.2199	0.3000	1.5199	0.4216	0.2827	0.7042	0.0000	2,692.7646	2,692.7646	0.4668	0.0000	2,704.4354
2023	1.1133	8.2853	11.4958	0.0299	0.9848	0.2949	1.2796	0.2656	0.2766	0.5422	0.0000	2,582.7269	2,582.7269	0.3900	0.0000	2,592.4771
2024	1.2607	7.9548	12.3854	0.0349	1.2271	0.2063	1.4335	0.3309	0.1945	0.5254	0.0000	3,153.2797	3,153.2797	0.4585	0.0000	3,164.7414
2025	0.6428	5.3627	7.7148	0.0225	0.7972	0.1434	0.9406	0.2154	0.1347	0.3501	0.0000	1,954.4095	1,954.4095	0.2803	0.0000	1,961.4162
2026	0.7991	3.8313	5.9724	0.0186	0.9097	0.1070	1.0168	0.2445	0.1000	0.3445	0.0000	1,609.0616	1,609.0616	0.1893	0.0000	1,613.7942
2027	0.0656	0.2456	0.4162	1.3100e-003	0.0717	6.8400e-003	0.0786	0.0192	6.3900e-003	0.0256	0.0000	114.2279	114.2279	0.0124	0.0000	114.5366
Maximum	**1.2607**	**8.6937**	**12.7527**	**0.0349**	**2.6786**	**0.3918**	**3.0704**	**1.3778**	**0.3628**	**1.7406**	**0.0000**	**3,153.2797**	**3,153.2797**	**0.7222**	**0.0000**	**3,164.7414**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**24.34**	**32.44**	**-3.77**	**0.00**	**0.00**	**38.13**	**8.73**	**0.00**	**38.18**	**16.54**	**0.00**	**3.53**	**3.53**	**6.36**	**0.00**	**3.54**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-1-2021	5-31-2021	4.0432	2.0024
2	6-1-2021	8-31-2021	6.6243	3.5356
3	9-1-2021	11-30-2021	6.3685	3.0474
4	12-1-2021	2-28-2022	3.8234	1.8914

5	**3-1-2022**	**5-31-2022**	3.4609	2.4752
6	**6-1-2022**	**8-31-2022**	3.5398	2.4846
7	**9-1-2022**	**11-30-2022**	3.5894	2.6434
8	**12-1-2022**	**2-28-2023**	3.2597	2.4838
9	**3-1-2023**	**5-31-2023**	3.1461	2.4770
10	**6-1-2023**	**8-31-2023**	3.1157	2.4845
11	**9-1-2023**	**11-30-2023**	2.8147	2.2590
12	**12-1-2023**	**2-29-2024**	2.5978	1.9534
13	**3-1-2024**	**5-31-2024**	2.9637	2.1955
14	**6-1-2024**	**8-31-2024**	2.8146	2.1793
15	**9-1-2024**	**11-30-2024**	3.6963	2.9535
16	**12-1-2024**	**2-28-2025**	2.1182	1.5190
17	**3-1-2025**	**5-31-2025**	1.9252	1.4961
18	**6-1-2025**	**8-31-2025**	1.8281	1.4798
19	**9-1-2025**	**11-30-2025**	1.9284	1.5166
20	**12-1-2025**	**2-28-2026**	1.9546	1.5147
21	**3-1-2026**	**5-31-2026**	1.7623	1.3465
22	**6-1-2026**	**8-31-2026**	1.3273	0.9781
23	**9-1-2026**	**11-30-2026**	1.3236	0.9782
24	**12-1-2026**	**2-28-2027**	0.9015	0.6662
		Highest	6.6243	3.5356

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8.8216	0.1526	11.6713	7.3900e-003		0.5450	0.5450		0.5450	0.5450	50.1487	33.9638	84.1125	0.0935	3.2900e-003	87.4291
Energy	0.0529	0.4523	0.1965	2.8800e-003		0.0365	0.0365		0.0365	0.0365	0.0000	2,489.3794	2,489.3794	0.0989	0.0280	2,500.1924
Mobile	1.7064	6.6091	18.8178	0.0711	6.6104	0.0753	6.6857	1.7802	0.0704	1.8506	0.0000	6,548.0841	6,548.0841	0.2712	0.0000	6,554.8628
Waste						0.0000	0.0000		0.0000	0.0000	107.0209	0.0000	107.0209	6.3248	0.0000	265.1397
Water						0.0000	0.0000		0.0000	0.0000	23.0497	166.6931	189.7428	2.3750	0.0575	266.2399
Total	**10.5809**	**7.2140**	**30.6856**	**0.0813**	**6.6104**	**0.6568**	**7.2672**	**1.7802**	**0.6519**	**2.4321**	**180.2193**	**9,238.1205**	**9,418.3398**	**9.1633**	**0.0887**	**9,673.8639**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8.8216	0.1526	11.6713	7.3900e-003		0.5450	0.5450		0.5450	0.5450	50.1487	33.9638	84.1125	0.0935	3.2900e-003	87.4291
Energy	0.0529	0.4523	0.1965	2.8800e-003		0.0365	0.0365		0.0365	0.0365	0.0000	2,489.3794	2,489.3794	0.0989	0.0280	2,500.1924
Mobile	1.7064	6.6091	18.8178	0.0711	6.6104	0.0753	6.6857	1.7802	0.0704	1.8506	0.0000	6,548.0841	6,548.0841	0.2712	0.0000	6,554.8628
Waste						0.0000	0.0000		0.0000	0.0000	107.0209	0.0000	107.0209	6.3248	0.0000	265.1397
Water						0.0000	0.0000		0.0000	0.0000	23.0497	166.6931	189.7428	2.3750	0.0575	266.2399
Total	**10.5809**	**7.2140**	**30.6856**	**0.0813**	**6.6104**	**0.6568**	**7.2672**	**1.7802**	**0.6519**	**2.4321**	**180.2193**	**9,238.1205**	**9,418.3398**	**9.1633**	**0.0887**	**9,673.8639**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Phase 0-Demolition/Excavation/Grading	Grading	3/1/2021	12/31/2021	5	220	11
2	Phase 0-Recycling Plant	Site Preparation	5/1/2021	7/31/2021	5	65	12

3	Phase 0-Utilities/Drainage/Subgrade	Site Preparation	7/1/2021	2/28/2022	5	173	13
4	Phase 0-Roadway Lift	Paving	2/1/2022	2/28/2022	5	20	14
5	Phase 1-C,D (HD Equipment Mix)	Building Construction	3/1/2022	9/30/2022	5	154	15
6	Phase 1-E (HD Equipment Mix)	Building Construction	3/1/2022	9/30/2022	5	154	18
7	Phase 1-F (HD Equipment Mix)	Building Construction	3/1/2022	8/31/2022	5	132	21
8	Phase 1-TH (HD Equipment Mix1)	Building Construction	3/1/2022	6/30/2022	5	88	24
9	Phase 1-TH (Compressors/Gradeall)	Building Construction	7/1/2022	1/31/2023	5	153	25
10	Phase 1-F (Electric Cranes Only)	Building Construction	9/1/2022	8/31/2024	5	522	22
11	Phase 1-C,D (Electric Cranes Only)	Building Construction	10/1/2022	8/31/2024	5	500	16
12	Phase 1-E (Electric Cranes Only)	Building Construction	10/1/2022	10/31/2023	5	282	19
13	Phase 1-TH Architectural Coatings1	Architectural Coating	10/1/2022	4/30/2023	5	150	31
14	Phase 1-TH (HD Equipment Mix2)	Building Construction	2/1/2023	6/30/2023	5	108	26
15	Phase 1-E Architectural Coatings	Architectural Coating	4/1/2023	10/31/2023	5	152	20
16	Phase 1-TH (No HD Equipment1)	Building Construction	7/1/2023	11/30/2023	5	109	27
17	Phase 1-TH (Gradealls Only)	Building Construction	12/1/2023	5/31/2024	5	131	28
18	Phase 1-F Architectural Coatings	Architectural Coating	1/1/2024	8/31/2024	5	175	23
19	Phase 1-C,D Architectural Coatings	Architectural Coating	2/1/2024	8/31/2024	5	152	17
20	Phase 1-TH Architectural Coatings2	Architectural Coating	2/1/2024	8/31/2024	5	152	32
21	Phase 1-TH (Excavator/BobCats Only)	Building Construction	6/1/2024	6/30/2024	5	20	29
22	Phase 1-TH (No HD Equipment2)	Building Construction	7/1/2024	8/31/2024	5	45	30
23	Phase 2-Material Off-Haul (No HD Equipment)	Building Construction	9/1/2024	10/25/2024	6	47	33
24	Phase 2-G,A,H (HD Equipment Mix)	Building Construction	9/1/2024	3/31/2025	5	151	34
25	Phase 2-B/Parking Structure (HD Equipment Mix)	Building Construction	9/1/2024	3/31/2025	5	151	37
26	Phase 2-G,A,H (Electric Cranes Only)	Building Construction	4/1/2025	1/31/2027	5	479	35

27	Phase 2-B/Parking Structure (Electric Cranes Only)	Building Construction	4/1/2025	4/30/2026	5	283	38
28	Phase 2-B/Parking Structure Architectural Coatings	Architectural Coating	10/1/2025	4/30/2026	5	152	39
29	Phase 2-G,A,H Architectural Coatings	Architectural Coating	5/1/2026	1/31/2027	5	196	36

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4

Residential Indoor: 569,025; Residential Outdoor: 189,675; Non-Residential Indoor: 11,250; Non-Residential Outdoor: 3,750; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase 0-Demolition/Excavation/Grading	Excavators	2	7.20	325	0.50
Phase 0-Demolition/Excavation/Grading	Other Construction Equipment	1	3.20	350	0.50
Phase 0-Demolition/Excavation/Grading	Graders	1	7.20	330	0.50
Phase 0-Demolition/Excavation/Grading	Plate Compactors	2	7.20	8	0.43
Phase 0-Demolition/Excavation/Grading	Crawler Tractors	1	7.20	400	1.00
Phase 0-Demolition/Excavation/Grading	Crawler Tractors	1	7.20	400	1.00
Phase 0-Recycling Plant	Crushing/Proc. Equipment	1	8.00	350	0.78
Phase 0-Utilities/Drainage/Subgrade	Crawler Tractors	2	6.00	400	1.00
Phase 0-Utilities/Drainage/Subgrade	Excavators	2	8.00	250	0.50
Phase 0-Utilities/Drainage/Subgrade	Plate Compactors	2	6.00	8	0.43
Phase 0-Roadway Lift	Paving Equipment	1	8.00	132	0.36
Phase 0-Roadway Lift	Pavers	1	8.00	130	0.42
Phase 0-Roadway Lift	Rollers	1	8.00	80	0.38
Phase 1-C,D (HD Equipment Mix)	Excavators	2	4.57	325	0.50

Phase 1-C,D (HD Equipment Mix)	Plate Compactors	2	2.29	8	0.43
Phase 1-C,D (HD Equipment Mix)	Skid Steer Loaders	2	5.71	65	0.37
Phase 1-C,D (HD Equipment Mix)	Tractors/Loaders/Backhoes	2	3.43	250	0.25
Phase 1-C,D (HD Equipment Mix)	Air Compressors	2	8.00	78	0.48
Phase 1-C,D (HD Equipment Mix)	Generator Sets	2	8.00	84	0.74
Phase 1-C,D (Electric Cranes Only)	Cranes	2	8.00	231	0.29
Phase 1-C,D Architectural Coatings	Air Compressors	2	8.00	78	0.48
Phase 1-E (HD Equipment Mix)	Excavators	1	4.57	325	0.50
Phase 1-E (HD Equipment Mix)	Plate Compactors	1	3.43	8	0.43
Phase 1-E (HD Equipment Mix)	Skid Steer Loaders	1	6.86	65	0.37
Phase 1-E (HD Equipment Mix)	Tractors/Loaders/Backhoes	1	2.29	250	0.25
Phase 1-E (HD Equipment Mix)	Air Compressors	1	8.00	78	0.48
Phase 1-E (HD Equipment Mix)	Generator Sets	1	8.00	84	0.74
Phase 1-E (Electric Cranes Only)	Cranes	1	8.00	231	0.29
Phase 1-E Architectural Coatings	Air Compressors	1	8.00	78	0.48
Phase 1-F (HD Equipment Mix)	Excavators	1	4.00	325	0.50
Phase 1-F (HD Equipment Mix)	Plate Compactors	1	2.67	8	0.43
Phase 1-F (HD Equipment Mix)	Skid Steer Loaders	1	6.67	65	0.37
Phase 1-F (HD Equipment Mix)	Tractors/Loaders/Backhoes	1	2.67	250	0.25
Phase 1-F (HD Equipment Mix)	Generator Sets	1	8.00	84	0.74
Phase 1-F (Electric Cranes Only)	Cranes	1	8.00	231	0.29
Phase 1-F Architectural Coatings	Air Compressors	1	8.00	78	0.48
Phase 1-TH (HD Equipment Mix1)	Excavators	1	8.00	325	0.50
Phase 1-TH (HD Equipment Mix1)	Plate Compactors	1	8.00	8	0.43
Phase 1-TH (HD Equipment Mix1)	Skid Steer Loaders	1	8.00	65	0.37
Phase 1-TH (HD Equipment Mix1)	Tractors/Loaders/Backhoes	1	8.00	250	0.25
Phase 1-TH (HD Equipment Mix1)	Air Compressors	1	8.00	78	0.48

Phase 1-TH (HD Equipment Mix1)	Generator Sets	1	8.00	84	0.74
Phase 1-TH (Compressors/Gradeall)	Air Compressors	1	6.86	78	0.48
Phase 1-TH (Compressors/Gradeall)	Rough Terrain Forklifts	4	8.00	100	0.40
Phase 1-TH (HD Equipment Mix2)	Excavators	1	8.00	325	0.50
Phase 1-TH (HD Equipment Mix2)	Plate Compactors	1	6.40	8	0.43
Phase 1-TH (HD Equipment Mix2)	Skid Steer Loaders	1	8.00	65	0.37
Phase 1-TH (HD Equipment Mix2)	Tractors/Loaders/Backhoes	1	6.40	250	0.25
Phase 1-TH (HD Equipment Mix2)	Generator Sets	1	8.00	84	0.74
Phase 1-TH (No HD Equipment1)	Aerial Lifts	1	8.00	63	0.31
Phase 1-TH (Gradealls Only)	Rough Terrain Forklifts	4	8.00	100	0.40
Phase 1-TH (Excavator/BobCats Only)	Excavators	1	8.00	325	0.50
Phase 1-TH (Excavator/BobCats Only)	Skid Steer Loaders	1	8.00	65	0.37
Phase 1-TH (No HD Equipment2)	Aerial Lifts	1	8.00	63	0.31
Phase 1-TH Architectural Coatings1	Air Compressors	1	8.00	78	0.48
Phase 1-TH Architectural Coatings2	Air Compressors	1	8.00	78	0.48
Phase 2-Material Off-Haul (No HD Equipment)	Aerial Lifts	1	8.00	63	0.31
Phase 2-G,A,H (HD Equipment Mix)	Excavators	3	3.43	325	0.50
Phase 2-G,A,H (HD Equipment Mix)	Plate Compactors	3	2.29	8	0.43
Phase 2-G,A,H (HD Equipment Mix)	Skid Steer Loaders	3	5.71	65	0.37
Phase 2-G,A,H (HD Equipment Mix)	Tractors/Loaders/Backhoes	3	2.29	250	0.25
Phase 2-G,A,H (HD Equipment Mix)	Air Compressors	3	6.86	78	0.48
Phase 2-G,A,H (HD Equipment Mix)	Generator Sets	3	8.00	84	0.74
Phase 2-G,A,H (Electric Cranes Only)	Cranes	3	8.00	231	0.29
Phase 2-G,A,H Architectural Coatings	Air Compressors	3	8.00	78	0.48
Phase 2-B/Parking Structure (HD Equipment Mix)	Excavators	2	4.57	325	0.50
Phase 2-B/Parking Structure (HD Equipment Mix)	Plate Compactors	2	3.43	8	0.43

Phase 2-B/Parking Structure (HD Equipment Mix)	Skid Steer Loaders	2	6.86	65	0.37
Phase 2-B/Parking Structure (HD Equipment Mix)	Tractors/Loaders/Backhoes	2	2.29	250	0.25
Phase 2-B/Parking Structure (HD Equipment Mix)	Air Compressors	2	6.86	78	0.48
Phase 2-B/Parking Structure (HD Equipment Mix)	Generator Sets	2	8.00	84	0.74
Phase 2-B/Parking Structure (Electric Cranes Only)	Cranes	2	8.00	231	0.29
Phase 2-B/Parking Structure Architectural Coatings	Air Compressors	2	8.00	78	0.48
Phase 1-TH (HD Equipment Mix2)	Cranes	1	7.00	231	0.29
Phase 1-TH (No HD Equipment1)	Cranes	1	7.00	231	0.29
Phase 1-TH (Gradealls Only)	Cranes	1	7.00	231	0.29
Phase 1-TH (Excavator/BobCats Only)	Cranes	1	7.00	231	0.29
Phase 1-TH (No HD Equipment2)	Cranes	1	7.00	231	0.29
Phase 2-Material Off-Haul (No HD Equipment)	Cranes	1	7.00	231	0.29
Phase 2-G,A,H (HD Equipment Mix)	Cranes	1	7.00	231	0.29
Phase 2-B/Parking Structure (HD Equipment Mix)	Cranes	1	7.00	231	0.29
Phase 1-C,D (HD Equipment Mix)	Cranes	1	7.00	231	0.29
Phase 1-E (HD Equipment Mix)	Cranes	1	7.00	231	0.29
Phase 1-F (HD Equipment Mix)	Cranes	1	7.00	231	0.29
Phase 1-TH (HD Equipment Mix1)	Cranes	1	7.00	231	0.29
Phase 1-TH (Compressors/Gradeall)	Cranes	1	7.00	231	0.29
Phase 1-F (Electric Cranes Only)	Forklifts	3	8.00	89	0.20
Phase 1-C,D (Electric Cranes Only)	Forklifts	3	8.00	89	0.20
Phase 1-E (Electric Cranes Only)	Forklifts	3	8.00	89	0.20
Phase 1-TH (HD Equipment Mix2)	Forklifts	3	8.00	89	0.20
Phase 1-TH (No HD Equipment1)	Forklifts	3	8.00	89	0.20
Phase 1-TH (Gradealls Only)	Forklifts	3	8.00	89	0.20

Phase 1-TH (Excavator/BobCats Only)	Forklifts	3	8.00	89	0.20
Phase 1-TH (No HD Equipment2)	Forklifts	3	8.00	89	0.20
Phase 2-Material Off-Haul (No HD Equipment)	Forklifts	3	8.00	89	0.20
Phase 2-G,A,H (HD Equipment Mix)	Forklifts	3	8.00	89	0.20
Phase 2-B/Parking Structure (HD Equipment Mix)	Forklifts	3	8.00	89	0.20
Phase 2-G,A,H (Electric Cranes Only)	Forklifts	3	8.00	89	0.20
Phase 2-B/Parking Structure (Electric Cranes Only)	Forklifts	3	8.00	89	0.20
Phase 1-C,D (HD Equipment Mix)	Forklifts	3	8.00	89	0.20
Phase 1-E (HD Equipment Mix)	Forklifts	3	8.00	89	0.20
Phase 1-F (HD Equipment Mix)	Forklifts	3	8.00	89	0.20
Phase 1-TH (HD Equipment Mix1)	Forklifts	3	8.00	89	0.20
Phase 1-TH (Compressors/Gradeall)	Forklifts	3	8.00	89	0.20
Phase 1-F (Electric Cranes Only)	Generator Sets	1	8.00	84	0.74
Phase 1-C,D (Electric Cranes Only)	Generator Sets	1	8.00	84	0.74
Phase 1-E (Electric Cranes Only)	Generator Sets	1	8.00	84	0.74
Phase 1-TH (No HD Equipment1)	Generator Sets	1	8.00	84	0.74
Phase 1-TH (Gradealls Only)	Generator Sets	1	8.00	84	0.74
Phase 1-TH (Excavator/BobCats Only)	Generator Sets	1	8.00	84	0.74
Phase 1-TH (No HD Equipment2)	Generator Sets	1	8.00	84	0.74
Phase 2-Material Off-Haul (No HD Equipment)	Generator Sets	1	8.00	84	0.74
Phase 2-G,A,H (Electric Cranes Only)	Generator Sets	1	8.00	84	0.74
Phase 2-B/Parking Structure (Electric Cranes Only)	Generator Sets	1	8.00	84	0.74
Phase 1-TH (Compressors/Gradeall)	Generator Sets	1	8.00	84	0.74
Phase 0-Demolition/Excavation/Grading	Rubber Tired Dozers	1	8.00	247	0.40
Phase 0-Recycling Plant	Rubber Tired Dozers	3	8.00	247	0.40
Phase 0-Utilities/Drainage/Subgrade	Rubber Tired Dozers	3	8.00	247	0.40

Phase 0-Demolition/Excavation/Grading	Scrapers	2	8.00	367	0.48
Phase 1-F (Electric Cranes Only)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1-C,D (Electric Cranes Only)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1-E (Electric Cranes Only)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1-TH (No HD Equipment1)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1-TH (Gradealls Only)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1-TH (Excavator/BobCats Only)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1-TH (No HD Equipment2)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 2-Material Off-Haul (No HD Equipment)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 2-G,A,H (Electric Cranes Only)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 2-B/Parking Structure (Electric Cranes Only)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1-TH (Compressors/Gradeall)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 0-Demolition/Excavation/Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 0-Recycling Plant	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 0-Utilities/Drainage/Subgrade	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 1-F (Electric Cranes Only)	Welders	1	8.00	46	0.45
Phase 1-C,D (Electric Cranes Only)	Welders	1	8.00	46	0.45
Phase 1-E (Electric Cranes Only)	Welders	1	8.00	46	0.45
Phase 1-TH (HD Equipment Mix2)	Welders	1	8.00	46	0.45
Phase 1-TH (No HD Equipment1)	Welders	1	8.00	46	0.45
Phase 1-TH (Gradealls Only)	Welders	1	8.00	46	0.45
Phase 1-TH (Excavator/BobCats Only)	Welders	1	8.00	46	0.45
Phase 1-TH (No HD Equipment2)	Welders	1	8.00	46	0.45
Phase 2-Material Off-Haul (No HD Equipment)	Welders	1	8.00	46	0.45
Phase 2-G,A,H (HD Equipment Mix)	Welders	1	8.00	46	0.45
Phase 2-B/Parking Structure (HD Equipment Mix)	Welders	1	8.00	46	0.45

Phase 2-G,A,H (Electric Cranes Only)	Welders	1	8.00	46	0.45
Phase 2-B/Parking Structure (Electric Cranes Only)	Welders	1	8.00	46	0.45
Phase 1-C,D (HD Equipment Mix)	Welders	1	8.00	46	0.45
Phase 1-E (HD Equipment Mix)	Welders	1	8.00	46	0.45
Phase 1-F (HD Equipment Mix)	Welders	1	8.00	46	0.45
Phase 1-TH (HD Equipment Mix1)	Welders	1	8.00	46	0.45
Phase 1-TH (Compressors/Gradeall)	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Phase 0-Demolition/Excavation	13	60.00	0.00	34.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 0-Recycling Plant	8	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 0-Utilities/Drainage/Sub	13	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 0-Roadway Lift	3	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-C,D (HD Equipment Mix)	17	254.00	62.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-C,D (Electric Cranes Only)	10	254.00	62.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-C,D Architectural Coatings	2	254.00	62.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-E (HD Equipment Mix)	11	112.00	28.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-E (Electric Cranes Only)	9	112.00	28.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-E Architectural Coatings	1	112.00	28.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-F (HD Equipment Mix)	10	162.00	40.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-F (Electric Cranes Only)	9	162.00	40.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-F Architectural Coatings	1	162.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (HD Equipment Mix1)	11	174.00	43.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (Compressors/Gradea	14	174.00	43.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (HD Equipment Mix2)	10	174.00	43.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Phase 1-TH (No HD Equipment1)	10	174.00	43.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (Gradealls Only)	13	174.00	43.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (Excavator/BobCats O	11	174.00	43.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (No HD Equipment2)	10	174.00	43.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH Architectural Coatings	1	174.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH Architectural Coatings	1	174.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2-Material Off-Haul (No HD Equipme	10	0.00	0.00	9,500.00	10.80	7.30	22.00	LD_Mix	HDT_Mix	HHDT
Phase 2-G,A,H (HD Equipment Mix)	23	390.00	102.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2-G,A,H (Electric Cranes Only)	11	390.00	102.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2-G,A,H Architectural Coatings	3	390.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2-B/Parking Structure (HD Equipm	17	194.00	67.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2-B/Parking Structure (Electric Cra	10	194.00	67.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2-B/Parking Structure Architectural	2	194.00	0.00	34.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

3.2 Phase 0-Demolition/Excavation/Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7674	0.0000	0.7674	0.3755	0.0000	0.3755	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.9675	10.5582	6.6070	0.0167		0.4281	0.4281		0.3940	0.3940	0.0000	1,466.6816	1,466.6816	0.4730	0.0000	1,478.5065
Total	**0.9675**	**10.5582**	**6.6070**	**0.0167**	**0.7674**	**0.4281**	**1.1955**	**0.3755**	**0.3940**	**0.7694**	**0.0000**	**1,466.6816**	**1,466.6816**	**0.4730**	**0.0000**	**1,478.5065**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3000e-004	5.4900e-003	1.8000e-003	1.0000e-005	2.9000e-004	2.0000e-005	3.0000e-004	8.0000e-005	2.0000e-005	9.0000e-005	0.0000	1.4917	1.4917	2.7000e-004	0.0000	1.4986
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0188	0.0120	0.1372	5.3000e-004	0.0522	3.9000e-004	0.0526	0.0139	3.6000e-004	0.0142	0.0000	47.7955	47.7955	9.8000e-004	0.0000	47.8199
Total	**0.0189**	**0.0175**	**0.1390**	**5.4000e-004**	**0.0524**	**4.1000e-004**	**0.0529**	**0.0140**	**3.8000e-004**	**0.0143**	**0.0000**	**49.2872**	**49.2872**	**1.2500e-003**	**0.0000**	**49.3185**

3.2 Phase 0-Demolition/Excavation/Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7674	0.0000	0.7674	0.3755	0.0000	0.3755	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4975	4.5233	7.7401	0.0167		0.1892	0.1892		0.1756	0.1756	0.0000	1,466.6799	1,466.6799	0.4730	0.0000	1,478.5047
Total	**0.4975**	**4.5233**	**7.7401**	**0.0167**	**0.7674**	**0.1892**	**0.9566**	**0.3755**	**0.1756**	**0.5511**	**0.0000**	**1,466.6799**	**1,466.6799**	**0.4730**	**0.0000**	**1,478.5047**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3000e-004	5.4900e-003	1.8000e-003	1.0000e-005	2.9000e-004	2.0000e-005	3.0000e-004	8.0000e-005	2.0000e-005	9.0000e-005	0.0000	1.4917	1.4917	2.7000e-004	0.0000	1.4986
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0188	0.0120	0.1372	5.3000e-004	0.0522	3.9000e-004	0.0526	0.0139	3.6000e-004	0.0142	0.0000	47.7955	47.7955	9.8000e-004	0.0000	47.8199
Total	**0.0189**	**0.0175**	**0.1390**	**5.4000e-004**	**0.0524**	**4.1000e-004**	**0.0529**	**0.0140**	**3.8000e-004**	**0.0143**	**0.0000**	**49.2872**	**49.2872**	**1.2500e-003**	**0.0000**	**49.3185**

3.3 Phase 0-Recycling Plant - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5872	0.0000	0.5872	0.3228	0.0000	0.3228	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1683	1.5625	0.8553	2.0200e-003		0.0751	0.0751		0.0697	0.0697	0.0000	189.3420	189.3420	0.0386	0.0000	190.3057
Total	**0.1683**	**1.5625**	**0.8553**	**2.0200e-003**	**0.5872**	**0.0751**	**0.6622**	**0.3228**	**0.0697**	**0.3925**	**0.0000**	**189.3420**	**189.3420**	**0.0386**	**0.0000**	**190.3057**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Phase 0-Recycling Plant - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5872	0.0000	0.5872	0.3228	0.0000	0.3228	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1319	1.3118	1.0339	2.0200e-003		0.0649	0.0649		0.0598	0.0598	0.0000	189.3417	189.3417	0.0386	0.0000	190.3055
Total	**0.1319**	**1.3118**	**1.0339**	**2.0200e-003**	**0.5872**	**0.0649**	**0.6521**	**0.3228**	**0.0598**	**0.3826**	**0.0000**	**189.3417**	**189.3417**	**0.0386**	**0.0000**	**190.3055**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Phase 0-Utilities/Drainage/Subgrade - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.2612	0.0000	1.2612	0.6629	0.0000	0.6629	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5058	5.4823	3.1519	7.4000e-003		0.2412	0.2412		0.2220	0.2220	0.0000	648.9590	648.9590	0.2092	0.0000	654.1892
Total	**0.5058**	**5.4823**	**3.1519**	**7.4000e-003**	**1.2612**	**0.2412**	**1.5024**	**0.6629**	**0.2220**	**0.8848**	**0.0000**	**648.9590**	**648.9590**	**0.2092**	**0.0000**	**654.1892**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7600e-003	2.4000e-003	0.0274	1.1000e-004	0.0104	8.0000e-005	0.0105	2.7700e-003	7.0000e-005	2.8500e-003	0.0000	9.5591	9.5591	2.0000e-004	0.0000	9.5640
Total	**3.7600e-003**	**2.4000e-003**	**0.0274**	**1.1000e-004**	**0.0104**	**8.0000e-005**	**0.0105**	**2.7700e-003**	**7.0000e-005**	**2.8500e-003**	**0.0000**	**9.5591**	**9.5591**	**2.0000e-004**	**0.0000**	**9.5640**

3.4 Phase 0-Utilities/Drainage/Subgrade - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.2612	0.0000	1.2612	0.6629	0.0000	0.6629	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3081	2.8387	3.5773	7.4000e-003		0.1372	0.1372		0.1269	0.1269	0.0000	648.9582	648.9582	0.2092	0.0000	654.1884
Total	**0.3081**	**2.8387**	**3.5773**	**7.4000e-003**	**1.2612**	**0.1372**	**1.3984**	**0.6629**	**0.1269**	**0.7897**	**0.0000**	**648.9582**	**648.9582**	**0.2092**	**0.0000**	**654.1884**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7600e-003	2.4000e-003	0.0274	1.1000e-004	0.0104	8.0000e-005	0.0105	2.7700e-003	7.0000e-005	2.8500e-003	0.0000	9.5591	9.5591	2.0000e-004	0.0000	9.5640
Total	**3.7600e-003**	**2.4000e-003**	**0.0274**	**1.1000e-004**	**0.0104**	**8.0000e-005**	**0.0105**	**2.7700e-003**	**7.0000e-005**	**2.8500e-003**	**0.0000**	**9.5591**	**9.5591**	**2.0000e-004**	**0.0000**	**9.5640**

3.4 Phase 0-Utilities/Drainage/Subgrade - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4392	0.0000	0.4392	0.2110	0.0000	0.2110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1348	1.4066	0.9247	2.3000e-003		0.0614	0.0614		0.0565	0.0565	0.0000	201.5842	201.5842	0.0650	0.0000	203.2088
Total	**0.1348**	**1.4066**	**0.9247**	**2.3000e-003**	**0.4392**	**0.0614**	**0.5006**	**0.2110**	**0.0565**	**0.2675**	**0.0000**	**201.5842**	**201.5842**	**0.0650**	**0.0000**	**203.2088**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-003	6.7000e-004	7.9400e-003	3.0000e-005	3.2400e-003	2.0000e-005	3.2600e-003	8.6000e-004	2.0000e-005	8.8000e-004	0.0000	2.8589	2.8589	6.0000e-005	0.0000	2.8603
Total	**1.1000e-003**	**6.7000e-004**	**7.9400e-003**	**3.0000e-005**	**3.2400e-003**	**2.0000e-005**	**3.2600e-003**	**8.6000e-004**	**2.0000e-005**	**8.8000e-004**	**0.0000**	**2.8589**	**2.8589**	**6.0000e-005**	**0.0000**	**2.8603**

3.4 Phase 0-Utilities/Drainage/Subgrade - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4392	0.0000	0.4392	0.2110	0.0000	0.2110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0814	0.7333	1.0816	2.3000e-003		0.0341	0.0341		0.0316	0.0316	0.0000	201.5839	201.5839	0.0650	0.0000	203.2085
Total	**0.0814**	**0.7333**	**1.0816**	**2.3000e-003**	**0.4392**	**0.0341**	**0.4733**	**0.2110**	**0.0316**	**0.2426**	**0.0000**	**201.5839**	**201.5839**	**0.0650**	**0.0000**	**203.2085**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-003	6.7000e-004	7.9400e-003	3.0000e-005	3.2400e-003	2.0000e-005	3.2600e-003	8.6000e-004	2.0000e-005	8.8000e-004	0.0000	2.8589	2.8589	6.0000e-005	0.0000	2.8603
Total	**1.1000e-003**	**6.7000e-004**	**7.9400e-003**	**3.0000e-005**	**3.2400e-003**	**2.0000e-005**	**3.2600e-003**	**8.6000e-004**	**2.0000e-005**	**8.8000e-004**	**0.0000**	**2.8589**	**2.8589**	**6.0000e-005**	**0.0000**	**2.8603**

3.5 Phase 0-Roadway Lift - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.5100e-003	0.0556	0.0729	1.1000e-004		2.8400e-003	2.8400e-003		2.6100e-003	2.6100e-003	0.0000	10.0138	10.0138	3.2400e-003	0.0000	10.0948
Paving	5.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0108**	**0.0556**	**0.0729**	**1.1000e-004**		**2.8400e-003**	**2.8400e-003**		**2.6100e-003**	**2.6100e-003**	**0.0000**	**10.0138**	**10.0138**	**3.2400e-003**	**0.0000**	**10.0948**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	3.3000e-004	3.8800e-003	2.0000e-005	1.5800e-003	1.0000e-005	1.5900e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3946	1.3946	3.0000e-005	0.0000	1.3952
Total	**5.4000e-004**	**3.3000e-004**	**3.8800e-003**	**2.0000e-005**	**1.5800e-003**	**1.0000e-005**	**1.5900e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.3946**	**1.3946**	**3.0000e-005**	**0.0000**	**1.3952**

3.5 Phase 0-Roadway Lift - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.4000e-003	6.0800e-003	0.0865	1.1000e-004		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	10.0138	10.0138	3.2400e-003	0.0000	10.0947
Paving	5.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.6400e-003**	**6.0800e-003**	**0.0865**	**1.1000e-004**		**1.9000e-004**	**1.9000e-004**		**1.9000e-004**	**1.9000e-004**	**0.0000**	**10.0138**	**10.0138**	**3.2400e-003**	**0.0000**	**10.0947**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	3.3000e-004	3.8800e-003	2.0000e-005	1.5800e-003	1.0000e-005	1.5900e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3946	1.3946	3.0000e-005	0.0000	1.3952
Total	**5.4000e-004**	**3.3000e-004**	**3.8800e-003**	**2.0000e-005**	**1.5800e-003**	**1.0000e-005**	**1.5900e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.3946**	**1.3946**	**3.0000e-005**	**0.0000**	**1.3952**

3.6 Phase 1-C,D (HD Equipment Mix) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2208	1.8952	1.9772	4.3900e-003		0.0901	0.0901		0.0865	0.0865	0.0000	379.0109	379.0109	0.0818	0.0000	381.0551
Total	**0.2208**	**1.8952**	**1.9772**	**4.3900e-003**		**0.0901**	**0.0901**		**0.0865**	**0.0865**	**0.0000**	**379.0109**	**379.0109**	**0.0818**	**0.0000**	**381.0551**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0137	0.5182	0.1640	1.2500e-003	0.0312	1.0900e-003	0.0323	9.0200e-003	1.0400e-003	0.0101	0.0000	128.7455	128.7455	0.0171	0.0000	129.1724
Worker	0.0525	0.0321	0.3789	1.5100e-003	0.1545	1.1500e-003	0.1557	0.0411	1.0600e-003	0.0422	0.0000	136.3750	136.3750	2.6300e-003	0.0000	136.4407
Total	**0.0662**	**0.5503**	**0.5429**	**2.7600e-003**	**0.1857**	**2.2400e-003**	**0.1880**	**0.0501**	**2.1000e-003**	**0.0522**	**0.0000**	**265.1205**	**265.1205**	**0.0197**	**0.0000**	**265.6131**

3.6 Phase 1-C,D (HD Equipment Mix) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1317	1.1096	2.2724	4.3900e-003		0.0473	0.0473		0.0451	0.0451	0.0000	365.3479	365.3479	0.0774	0.0000	367.2816
Total	**0.1317**	**1.1096**	**2.2724**	**4.3900e-003**		**0.0473**	**0.0473**		**0.0451**	**0.0451**	**0.0000**	**365.3479**	**365.3479**	**0.0774**	**0.0000**	**367.2816**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0137	0.5182	0.1640	1.2500e-003	0.0312	1.0900e-003	0.0323	9.0200e-003	1.0400e-003	0.0101	0.0000	128.7455	128.7455	0.0171	0.0000	129.1724
Worker	0.0525	0.0321	0.3789	1.5100e-003	0.1545	1.1500e-003	0.1557	0.0411	1.0600e-003	0.0422	0.0000	136.3750	136.3750	2.6300e-003	0.0000	136.4407
Total	**0.0662**	**0.5503**	**0.5429**	**2.7600e-003**	**0.1857**	**2.2400e-003**	**0.1880**	**0.0501**	**2.1000e-003**	**0.0522**	**0.0000**	**265.1205**	**265.1205**	**0.0197**	**0.0000**	**265.6131**

3.7 Phase 1-E (HD Equipment Mix) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1457	1.2561	1.2544	2.6300e-003		0.0611	0.0611		0.0582	0.0582	0.0000	226.5133	226.5133	0.0513	0.0000	227.7958
Total	**0.1457**	**1.2561**	**1.2544**	**2.6300e-003**		**0.0611**	**0.0611**		**0.0582**	**0.0582**	**0.0000**	**226.5133**	**226.5133**	**0.0513**	**0.0000**	**227.7958**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1600e-003	0.2340	0.0740	5.6000e-004	0.0141	4.9000e-004	0.0146	4.0700e-003	4.7000e-004	4.5400e-003	0.0000	58.1431	58.1431	7.7100e-003	0.0000	58.3359
Worker	0.0232	0.0142	0.1671	6.6000e-004	0.0682	5.1000e-004	0.0687	0.0181	4.7000e-004	0.0186	0.0000	60.1339	60.1339	1.1600e-003	0.0000	60.1628
Total	**0.0293**	**0.2482**	**0.2411**	**1.2200e-003**	**0.0822**	**1.0000e-003**	**0.0832**	**0.0222**	**9.4000e-004**	**0.0231**	**0.0000**	**118.2770**	**118.2770**	**8.8700e-003**	**0.0000**	**118.4988**

3.7 Phase 1-E (HD Equipment Mix) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0958	0.8109	1.3737	2.6300e-003		0.0371	0.0371		0.0351	0.0351	0.0000	212.8504	212.8504	0.0469	0.0000	214.0225
Total	**0.0958**	**0.8109**	**1.3737**	**2.6300e-003**		**0.0371**	**0.0371**		**0.0351**	**0.0351**	**0.0000**	**212.8504**	**212.8504**	**0.0469**	**0.0000**	**214.0225**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1600e-003	0.2340	0.0740	5.6000e-004	0.0141	4.9000e-004	0.0146	4.0700e-003	4.7000e-004	4.5400e-003	0.0000	58.1431	58.1431	7.7100e-003	0.0000	58.3359
Worker	0.0232	0.0142	0.1671	6.6000e-004	0.0682	5.1000e-004	0.0687	0.0181	4.7000e-004	0.0186	0.0000	60.1339	60.1339	1.1600e-003	0.0000	60.1628
Total	**0.0293**	**0.2482**	**0.2411**	**1.2200e-003**	**0.0822**	**1.0000e-003**	**0.0832**	**0.0222**	**9.4000e-004**	**0.0231**	**0.0000**	**118.2770**	**118.2770**	**8.8700e-003**	**0.0000**	**118.4988**

3.8 Phase 1-F (HD Equipment Mix) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1054	0.9424	0.9018	1.9400e-003		0.0448	0.0448		0.0424	0.0424	0.0000	166.9236	166.9236	0.0410	0.0000	167.9489
Total	**0.1054**	**0.9424**	**0.9018**	**1.9400e-003**		**0.0448**	**0.0448**		**0.0424**	**0.0424**	**0.0000**	**166.9236**	**166.9236**	**0.0410**	**0.0000**	**167.9489**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.5500e-003	0.2865	0.0907	6.9000e-004	0.0173	6.0000e-004	0.0179	4.9900e-003	5.7000e-004	5.5600e-003	0.0000	71.1957	71.1957	9.4400e-003	0.0000	71.4317
Worker	0.0287	0.0176	0.2072	8.2000e-004	0.0845	6.3000e-004	0.0851	0.0225	5.8000e-004	0.0231	0.0000	74.5537	74.5537	1.4400e-003	0.0000	74.5897
Total	**0.0363**	**0.3041**	**0.2978**	**1.5100e-003**	**0.1018**	**1.2300e-003**	**0.1030**	**0.0275**	**1.1500e-003**	**0.0286**	**0.0000**	**145.7494**	**145.7494**	**0.0109**	**0.0000**	**146.0214**

3.8 Phase 1-F (HD Equipment Mix) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0791	0.6839	0.9887	1.9400e-003		0.0315	0.0315		0.0298	0.0298	0.0000	155.2126	155.2126	0.0372	0.0000	156.1432
Total	**0.0791**	**0.6839**	**0.9887**	**1.9400e-003**		**0.0315**	**0.0315**		**0.0298**	**0.0298**	**0.0000**	**155.2126**	**155.2126**	**0.0372**	**0.0000**	**156.1432**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.5500e-003	0.2865	0.0907	6.9000e-004	0.0173	6.0000e-004	0.0179	4.9900e-003	5.7000e-004	5.5600e-003	0.0000	71.1957	71.1957	9.4400e-003	0.0000	71.4317
Worker	0.0287	0.0176	0.2072	8.2000e-004	0.0845	6.3000e-004	0.0851	0.0225	5.8000e-004	0.0231	0.0000	74.5537	74.5537	1.4400e-003	0.0000	74.5897
Total	**0.0363**	**0.3041**	**0.2978**	**1.5100e-003**	**0.1018**	**1.2300e-003**	**0.1030**	**0.0275**	**1.1500e-003**	**0.0286**	**0.0000**	**145.7494**	**145.7494**	**0.0109**	**0.0000**	**146.0214**

3.9 Phase 1-TH (HD Equipment Mix1) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0981	0.8535	0.8284	1.9600e-003		0.0396	0.0396		0.0376	0.0376	0.0000	169.1699	169.1699	0.0420	0.0000	170.2197
Total	**0.0981**	**0.8535**	**0.8284**	**1.9600e-003**		**0.0396**	**0.0396**		**0.0376**	**0.0376**	**0.0000**	**169.1699**	**169.1699**	**0.0420**	**0.0000**	**170.2197**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4100e-003	0.2054	0.0650	5.0000e-004	0.0124	4.3000e-004	0.0128	3.5700e-003	4.1000e-004	3.9900e-003	0.0000	51.0236	51.0236	6.7700e-003	0.0000	51.1927
Worker	0.0206	0.0126	0.1483	5.9000e-004	0.0605	4.5000e-004	0.0610	0.0161	4.1000e-004	0.0165	0.0000	53.3842	53.3842	1.0300e-003	0.0000	53.4099
Total	**0.0260**	**0.2179**	**0.2133**	**1.0900e-003**	**0.0729**	**8.8000e-004**	**0.0738**	**0.0197**	**8.2000e-004**	**0.0205**	**0.0000**	**104.4077**	**104.4077**	**7.8000e-003**	**0.0000**	**104.6026**

3.9 Phase 1-TH (HD Equipment Mix1) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0639	0.5403	0.9612	1.9600e-003		0.0235	0.0235		0.0223	0.0223	0.0000	161.3625	161.3625	0.0395	0.0000	162.3491
Total	**0.0639**	**0.5403**	**0.9612**	**1.9600e-003**		**0.0235**	**0.0235**		**0.0223**	**0.0223**	**0.0000**	**161.3625**	**161.3625**	**0.0395**	**0.0000**	**162.3491**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4100e-003	0.2054	0.0650	5.0000e-004	0.0124	4.3000e-004	0.0128	3.5700e-003	4.1000e-004	3.9900e-003	0.0000	51.0236	51.0236	6.7700e-003	0.0000	51.1927
Worker	0.0206	0.0126	0.1483	5.9000e-004	0.0605	4.5000e-004	0.0610	0.0161	4.1000e-004	0.0165	0.0000	53.3842	53.3842	1.0300e-003	0.0000	53.4099
Total	**0.0260**	**0.2179**	**0.2133**	**1.0900e-003**	**0.0729**	**8.8000e-004**	**0.0738**	**0.0197**	**8.2000e-004**	**0.0205**	**0.0000**	**104.4077**	**104.4077**	**7.8000e-003**	**0.0000**	**104.6026**

3.10 Phase 1-TH (Compressors/Gradeall) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1564	1.5161	1.8071	2.8900e-003		0.0726	0.0726		0.0684	0.0684	0.0000	250.2205	250.2205	0.0633	0.0000	251.8021
Total	**0.1564**	**1.5161**	**1.8071**	**2.8900e-003**		**0.0726**	**0.0726**		**0.0684**	**0.0684**	**0.0000**	**250.2205**	**250.2205**	**0.0633**	**0.0000**	**251.8021**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0500e-003	0.3057	0.0967	7.4000e-004	0.0184	6.4000e-004	0.0191	5.3200e-003	6.1000e-004	5.9300e-003	0.0000	75.9555	75.9555	0.0101	0.0000	76.2074
Worker	0.0306	0.0187	0.2208	8.8000e-004	0.0901	6.7000e-004	0.0907	0.0240	6.2000e-004	0.0246	0.0000	79.4696	79.4696	1.5300e-003	0.0000	79.5079
Total	**0.0387**	**0.3244**	**0.3175**	**1.6200e-003**	**0.1085**	**1.3100e-003**	**0.1098**	**0.0293**	**1.2300e-003**	**0.0305**	**0.0000**	**155.4251**	**155.4251**	**0.0116**	**0.0000**	**155.7153**

3.10 Phase 1-TH (Compressors/Gradeall) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1035	0.8461	1.8655	2.8900e-003		0.0433	0.0433		0.0408	0.0408	0.0000	238.5981	238.5981	0.0595	0.0000	240.0857
Total	**0.1035**	**0.8461**	**1.8655**	**2.8900e-003**		**0.0433**	**0.0433**		**0.0408**	**0.0408**	**0.0000**	**238.5981**	**238.5981**	**0.0595**	**0.0000**	**240.0857**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0500e-003	0.3057	0.0967	7.4000e-004	0.0184	6.4000e-004	0.0191	5.3200e-003	6.1000e-004	5.9300e-003	0.0000	75.9555	75.9555	0.0101	0.0000	76.2074
Worker	0.0306	0.0187	0.2208	8.8000e-004	0.0901	6.7000e-004	0.0907	0.0240	6.2000e-004	0.0246	0.0000	79.4696	79.4696	1.5300e-003	0.0000	79.5079
Total	**0.0387**	**0.3244**	**0.3175**	**1.6200e-003**	**0.1085**	**1.3100e-003**	**0.1098**	**0.0293**	**1.2300e-003**	**0.0305**	**0.0000**	**155.4251**	**155.4251**	**0.0116**	**0.0000**	**155.7153**

3.10 Phase 1-TH (Compressors/Gradeall) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0244	0.2362	0.3021	4.9000e-004		0.0106	0.0106		9.9500e-003	9.9500e-003	0.0000	42.0325	42.0325	0.0106	0.0000	42.2966
Total	**0.0244**	**0.2362**	**0.3021**	**4.9000e-004**		**0.0106**	**0.0106**		**9.9500e-003**	**9.9500e-003**	**0.0000**	**42.0325**	**42.0325**	**0.0106**	**0.0000**	**42.2966**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0900e-003	0.0426	0.0157	1.2000e-004	3.0900e-003	6.0000e-005	3.1500e-003	8.9000e-004	6.0000e-005	9.5000e-004	0.0000	12.4389	12.4389	1.6500e-003	0.0000	12.4803
Worker	4.8600e-003	2.8500e-003	0.0346	1.4000e-004	0.0151	1.1000e-004	0.0152	4.0200e-003	1.0000e-004	4.1300e-003	0.0000	12.8306	12.8306	2.3000e-004	0.0000	12.8364
Total	**5.9500e-003**	**0.0454**	**0.0503**	**2.6000e-004**	**0.0182**	**1.7000e-004**	**0.0184**	**4.9100e-003**	**1.6000e-004**	**5.0800e-003**	**0.0000**	**25.2695**	**25.2695**	**1.8800e-003**	**0.0000**	**25.3167**

3.10 Phase 1-TH (Compressors/Gradeall) - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0162	0.1320	0.3123	4.9000e-004		6.3200e-003	6.3200e-003		5.9500e-003	5.9500e-003	0.0000	40.0807	40.0807	9.9400e-003	0.0000	40.3291
Total	**0.0162**	**0.1320**	**0.3123**	**4.9000e-004**		**6.3200e-003**	**6.3200e-003**		**5.9500e-003**	**5.9500e-003**	**0.0000**	**40.0807**	**40.0807**	**9.9400e-003**	**0.0000**	**40.3291**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0900e-003	0.0426	0.0157	1.2000e-004	3.0900e-003	6.0000e-005	3.1500e-003	8.9000e-004	6.0000e-005	9.5000e-004	0.0000	12.4389	12.4389	1.6500e-003	0.0000	12.4803
Worker	4.8600e-003	2.8500e-003	0.0346	1.4000e-004	0.0151	1.1000e-004	0.0152	4.0200e-003	1.0000e-004	4.1300e-003	0.0000	12.8306	12.8306	2.3000e-004	0.0000	12.8364
Total	**5.9500e-003**	**0.0454**	**0.0503**	**2.6000e-004**	**0.0182**	**1.7000e-004**	**0.0184**	**4.9100e-003**	**1.6000e-004**	**5.0800e-003**	**0.0000**	**25.2695**	**25.2695**	**1.8800e-003**	**0.0000**	**25.3167**

3.11 Phase 1-F (Electric Cranes Only) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0763	0.7020	0.7221	1.2000e-003		0.0361	0.0361		0.0340	0.0340	0.0000	103.5571	103.5571	0.0250	0.0000	104.1831
Total	**0.0763**	**0.7020**	**0.7221**	**1.2000e-003**		**0.0361**	**0.0361**		**0.0340**	**0.0340**	**0.0000**	**103.5571**	**103.5571**	**0.0250**	**0.0000**	**104.1831**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.9700e-003	0.1889	0.0598	4.6000e-004	0.0114	4.0000e-004	0.0118	3.2900e-003	3.8000e-004	3.6700e-003	0.0000	46.9244	46.9244	6.2200e-003	0.0000	47.0800
Worker	0.0189	0.0116	0.1365	5.4000e-004	0.0557	4.1000e-004	0.0561	0.0148	3.8000e-004	0.0152	0.0000	49.1377	49.1377	9.5000e-004	0.0000	49.1614
Total	**0.0239**	**0.2004**	**0.1963**	**1.0000e-003**	**0.0671**	**8.1000e-004**	**0.0679**	**0.0181**	**7.6000e-004**	**0.0189**	**0.0000**	**96.0621**	**96.0621**	**7.1700e-003**	**0.0000**	**96.2414**

3.11 Phase 1-F (Electric Cranes Only) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0611	0.5372	0.6998	1.2000e-003		0.0282	0.0282		0.0264	0.0264	0.0000	94.7358	94.7358	0.0222	0.0000	95.2905
Total	**0.0611**	**0.5372**	**0.6998**	**1.2000e-003**		**0.0282**	**0.0282**		**0.0264**	**0.0264**	**0.0000**	**94.7358**	**94.7358**	**0.0222**	**0.0000**	**95.2905**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.9700e-003	0.1889	0.0598	4.6000e-004	0.0114	4.0000e-004	0.0118	3.2900e-003	3.8000e-004	3.6700e-003	0.0000	46.9244	46.9244	6.2200e-003	0.0000	47.0800
Worker	0.0189	0.0116	0.1365	5.4000e-004	0.0557	4.1000e-004	0.0561	0.0148	3.8000e-004	0.0152	0.0000	49.1377	49.1377	9.5000e-004	0.0000	49.1614
Total	**0.0239**	**0.2004**	**0.1963**	**1.0000e-003**	**0.0671**	**8.1000e-004**	**0.0679**	**0.0181**	**7.6000e-004**	**0.0189**	**0.0000**	**96.0621**	**96.0621**	**7.1700e-003**	**0.0000**	**96.2414**

3.11 Phase 1-F (Electric Cranes Only) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2102	1.9320	2.1415	3.6000e-003		0.0936	0.0936		0.0880	0.0880	0.0000	309.5841	309.5841	0.0744	0.0000	311.4429
Total	**0.2102**	**1.9320**	**2.1415**	**3.6000e-003**		**0.0936**	**0.0936**		**0.0880**	**0.0880**	**0.0000**	**309.5841**	**309.5841**	**0.0744**	**0.0000**	**311.4429**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0120	0.4679	0.1724	1.3200e-003	0.0340	6.7000e-004	0.0347	9.8200e-003	6.4000e-004	0.0105	0.0000	136.7494	136.7494	0.0182	0.0000	137.2038
Worker	0.0535	0.0314	0.3810	1.5600e-003	0.1664	1.2200e-003	0.1676	0.0443	1.1300e-003	0.0454	0.0000	141.1765	141.1765	2.5600e-003	0.0000	141.2406
Total	**0.0655**	**0.4992**	**0.5534**	**2.8800e-003**	**0.2004**	**1.8900e-003**	**0.2023**	**0.0541**	**1.7700e-003**	**0.0559**	**0.0000**	**277.9259**	**277.9259**	**0.0207**	**0.0000**	**278.4444**

3.11 Phase 1-F (Electric Cranes Only) - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1686	1.4821	2.0789	3.6000e-003		0.0727	0.0727		0.0682	0.0682	0.0000	283.2223	283.2223	0.0658	0.0000	284.8679
Total	**0.1686**	**1.4821**	**2.0789**	**3.6000e-003**		**0.0727**	**0.0727**		**0.0682**	**0.0682**	**0.0000**	**283.2223**	**283.2223**	**0.0658**	**0.0000**	**284.8679**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0120	0.4679	0.1724	1.3200e-003	0.0340	6.7000e-004	0.0347	9.8200e-003	6.4000e-004	0.0105	0.0000	136.7494	136.7494	0.0182	0.0000	137.2038
Worker	0.0535	0.0314	0.3810	1.5600e-003	0.1664	1.2200e-003	0.1676	0.0443	1.1300e-003	0.0454	0.0000	141.1765	141.1765	2.5600e-003	0.0000	141.2406
Total	**0.0655**	**0.4992**	**0.5534**	**2.8800e-003**	**0.2004**	**1.8900e-003**	**0.2023**	**0.0541**	**1.7700e-003**	**0.0559**	**0.0000**	**277.9259**	**277.9259**	**0.0207**	**0.0000**	**278.4444**

3.11 Phase 1-F (Electric Cranes Only) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1324	1.2147	1.4340	2.4200e-003		0.0553	0.0553		0.0520	0.0520	0.0000	208.4126	208.4126	0.0498	0.0000	209.6568
Total	**0.1324**	**1.2147**	**1.4340**	**2.4200e-003**		**0.0553**	**0.0553**		**0.0520**	**0.0520**	**0.0000**	**208.4126**	**208.4126**	**0.0498**	**0.0000**	**209.6568**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.7200e-003	0.3072	0.1149	8.8000e-004	0.0229	4.3000e-004	0.0233	6.6100e-003	4.1000e-004	7.0300e-003	0.0000	91.1890	91.1890	0.0122	0.0000	91.4944
Worker	0.0342	0.0192	0.2403	1.0100e-003	0.1120	8.2000e-004	0.1128	0.0298	7.5000e-004	0.0306	0.0000	91.2396	91.2396	1.5700e-003	0.0000	91.2788
Total	**0.0420**	**0.3264**	**0.3552**	**1.8900e-003**	**0.1349**	**1.2500e-003**	**0.1361**	**0.0364**	**1.1600e-003**	**0.0376**	**0.0000**	**182.4286**	**182.4286**	**0.0138**	**0.0000**	**182.7732**

3.11 Phase 1-F (Electric Cranes Only) - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1063	0.9342	1.3940	2.4200e-003		0.0429	0.0429		0.0402	0.0402	0.0000	190.6695	190.6695	0.0440	0.0000	191.7701
Total	**0.1063**	**0.9342**	**1.3940**	**2.4200e-003**		**0.0429**	**0.0429**		**0.0402**	**0.0402**	**0.0000**	**190.6695**	**190.6695**	**0.0440**	**0.0000**	**191.7701**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.7200e-003	0.3072	0.1149	8.8000e-004	0.0229	4.3000e-004	0.0233	6.6100e-003	4.1000e-004	7.0300e-003	0.0000	91.1890	91.1890	0.0122	0.0000	91.4944
Worker	0.0342	0.0192	0.2403	1.0100e-003	0.1120	8.2000e-004	0.1128	0.0298	7.5000e-004	0.0306	0.0000	91.2396	91.2396	1.5700e-003	0.0000	91.2788
Total	**0.0420**	**0.3264**	**0.3552**	**1.8900e-003**	**0.1349**	**1.2500e-003**	**0.1361**	**0.0364**	**1.1600e-003**	**0.0376**	**0.0000**	**182.4286**	**182.4286**	**0.0138**	**0.0000**	**182.7732**

3.12 Phase 1-C,D (Electric Cranes Only) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0691	0.6605	0.6010	1.0900e-003		0.0327	0.0327		0.0306	0.0306	0.0000	93.8465	93.8465	0.0240	0.0000	94.4474
Total	**0.0691**	**0.6605**	**0.6010**	**1.0900e-003**		**0.0327**	**0.0327**		**0.0306**	**0.0306**	**0.0000**	**93.8465**	**93.8465**	**0.0240**	**0.0000**	**94.4474**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.7600e-003	0.2187	0.0692	5.3000e-004	0.0132	4.6000e-004	0.0136	3.8100e-003	4.4000e-004	4.2400e-003	0.0000	54.3406	54.3406	7.2100e-003	0.0000	54.5208
Worker	0.0222	0.0136	0.1599	6.4000e-004	0.0652	4.9000e-004	0.0657	0.0174	4.5000e-004	0.0178	0.0000	57.5609	57.5609	1.1100e-003	0.0000	57.5886
Total	**0.0279**	**0.2323**	**0.2291**	**1.1700e-003**	**0.0784**	**9.5000e-004**	**0.0794**	**0.0212**	**8.9000e-004**	**0.0220**	**0.0000**	**111.9015**	**111.9015**	**8.3200e-003**	**0.0000**	**112.1094**

3.12 Phase 1-C,D (Electric Cranes Only) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0529	0.4830	0.5598	1.0900e-003		0.0244	0.0244		0.0229	0.0229	0.0000	80.6654	80.6654	0.0198	0.0000	81.1598
Total	**0.0529**	**0.4830**	**0.5598**	**1.0900e-003**		**0.0244**	**0.0244**		**0.0229**	**0.0229**	**0.0000**	**80.6654**	**80.6654**	**0.0198**	**0.0000**	**81.1598**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.7600e-003	0.2187	0.0692	5.3000e-004	0.0132	4.6000e-004	0.0136	3.8100e-003	4.4000e-004	4.2400e-003	0.0000	54.3406	54.3406	7.2100e-003	0.0000	54.5208
Worker	0.0222	0.0136	0.1599	6.4000e-004	0.0652	4.9000e-004	0.0657	0.0174	4.5000e-004	0.0178	0.0000	57.5609	57.5609	1.1100e-003	0.0000	57.5886
Total	**0.0279**	**0.2323**	**0.2291**	**1.1700e-003**	**0.0784**	**9.5000e-004**	**0.0794**	**0.0212**	**8.9000e-004**	**0.0220**	**0.0000**	**111.9015**	**111.9015**	**8.3200e-003**	**0.0000**	**112.1094**

3.12 Phase 1-C,D (Electric Cranes Only) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2559	2.4281	2.3800	4.3500e-003		0.1143	0.1143		0.1070	0.1070	0.0000	375.4879	375.4879	0.0957	0.0000	377.8796
Total	**0.2559**	**2.4281**	**2.3800**	**4.3500e-003**		**0.1143**	**0.1143**		**0.1070**	**0.1070**	**0.0000**	**375.4879**	**375.4879**	**0.0957**	**0.0000**	**377.8796**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0186	0.7252	0.2672	2.0500e-003	0.0527	1.0400e-003	0.0537	0.0152	1.0000e-003	0.0162	0.0000	211.9616	211.9616	0.0282	0.0000	212.6659
Worker	0.0839	0.0492	0.5974	2.4400e-003	0.2609	1.9200e-003	0.2628	0.0694	1.7700e-003	0.0712	0.0000	221.3508	221.3508	4.0200e-003	0.0000	221.4513
Total	**0.1025**	**0.7744**	**0.8646**	**4.4900e-003**	**0.3136**	**2.9600e-003**	**0.3166**	**0.0846**	**2.7700e-003**	**0.0874**	**0.0000**	**433.3123**	**433.3123**	**0.0322**	**0.0000**	**434.1172**

3.12 Phase 1-C,D (Electric Cranes Only) - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1960	1.7797	2.2219	4.3500e-003		0.0851	0.0851		0.0796	0.0796	0.0000	322.7645	322.7645	0.0786	0.0000	324.7298
Total	**0.1960**	**1.7797**	**2.2219**	**4.3500e-003**		**0.0851**	**0.0851**		**0.0796**	**0.0796**	**0.0000**	**322.7645**	**322.7645**	**0.0786**	**0.0000**	**324.7298**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0186	0.7252	0.2672	2.0500e-003	0.0527	1.0400e-003	0.0537	0.0152	1.0000e-003	0.0162	0.0000	211.9616	211.9616	0.0282	0.0000	212.6659
Worker	0.0839	0.0492	0.5974	2.4400e-003	0.2609	1.9200e-003	0.2628	0.0694	1.7700e-003	0.0712	0.0000	221.3508	221.3508	4.0200e-003	0.0000	221.4513
Total	**0.1025**	**0.7744**	**0.8646**	**4.4900e-003**	**0.3136**	**2.9600e-003**	**0.3166**	**0.0846**	**2.7700e-003**	**0.0874**	**0.0000**	**433.3123**	**433.3123**	**0.0322**	**0.0000**	**434.1172**

3.12 Phase 1-C,D (Electric Cranes Only) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1614	1.5213	1.5893	2.9300e-003		0.0680	0.0680		0.0637	0.0637	0.0000	252.7700	252.7700	0.0641	0.0000	254.3728
Total	**0.1614**	**1.5213**	**1.5893**	**2.9300e-003**		**0.0680**	**0.0680**		**0.0637**	**0.0637**	**0.0000**	**252.7700**	**252.7700**	**0.0641**	**0.0000**	**254.3728**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0120	0.4762	0.1780	1.3600e-003	0.0355	6.7000e-004	0.0361	0.0103	6.4000e-004	0.0109	0.0000	141.3430	141.3430	0.0189	0.0000	141.8164
Worker	0.0537	0.0301	0.3768	1.5800e-003	0.1756	1.2800e-003	0.1769	0.0467	1.1800e-003	0.0479	0.0000	143.0547	143.0547	2.4600e-003	0.0000	143.1161
Total	**0.0657**	**0.5063**	**0.5548**	**2.9400e-003**	**0.2111**	**1.9500e-003**	**0.2130**	**0.0570**	**1.8200e-003**	**0.0588**	**0.0000**	**284.3976**	**284.3976**	**0.0214**	**0.0000**	**284.9325**

3.12 Phase 1-C,D (Electric Cranes Only) - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1237	1.1182	1.4871	2.9300e-003		0.0505	0.0505		0.0473	0.0473	0.0000	217.2839	217.2839	0.0526	0.0000	218.5997
Total	**0.1237**	**1.1182**	**1.4871**	**2.9300e-003**		**0.0505**	**0.0505**		**0.0473**	**0.0473**	**0.0000**	**217.2839**	**217.2839**	**0.0526**	**0.0000**	**218.5997**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0120	0.4762	0.1780	1.3600e-003	0.0355	6.7000e-004	0.0361	0.0103	6.4000e-004	0.0109	0.0000	141.3430	141.3430	0.0189	0.0000	141.8164
Worker	0.0537	0.0301	0.3768	1.5800e-003	0.1756	1.2800e-003	0.1769	0.0467	1.1800e-003	0.0479	0.0000	143.0547	143.0547	2.4600e-003	0.0000	143.1161
Total	**0.0657**	**0.5063**	**0.5548**	**2.9400e-003**	**0.2111**	**1.9500e-003**	**0.2130**	**0.0570**	**1.8200e-003**	**0.0588**	**0.0000**	**284.3976**	**284.3976**	**0.0214**	**0.0000**	**284.9325**

3.13 Phase 1-E (Electric Cranes Only) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0570	0.5245	0.5395	9.0000e-004		0.0270	0.0270		0.0254	0.0254	0.0000	77.3702	77.3702	0.0187	0.0000	77.8380
Total	**0.0570**	**0.5245**	**0.5395**	**9.0000e-004**		**0.0270**	**0.0270**		**0.0254**	**0.0254**	**0.0000**	**77.3702**	**77.3702**	**0.0187**	**0.0000**	**77.8380**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6000e-003	0.0988	0.0313	2.4000e-004	5.9500e-003	2.1000e-004	6.1500e-003	1.7200e-003	2.0000e-004	1.9200e-003	0.0000	24.5409	24.5409	3.2500e-003	0.0000	24.6223
Worker	9.7700e-003	5.9800e-003	0.0705	2.8000e-004	0.0288	2.1000e-004	0.0290	7.6500e-003	2.0000e-004	7.8500e-003	0.0000	25.3812	25.3812	4.9000e-004	0.0000	25.3934
Total	**0.0124**	**0.1048**	**0.1018**	**5.2000e-004**	**0.0347**	**4.2000e-004**	**0.0351**	**9.3700e-003**	**4.0000e-004**	**9.7700e-003**	**0.0000**	**49.9221**	**49.9221**	**3.7400e-003**	**0.0000**	**50.0157**

3.13 Phase 1-E (Electric Cranes Only) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0457	0.4014	0.5229	9.0000e-004		0.0210	0.0210		0.0197	0.0197	0.0000	70.7796	70.7796	0.0166	0.0000	71.1941
Total	**0.0457**	**0.4014**	**0.5229**	**9.0000e-004**		**0.0210**	**0.0210**		**0.0197**	**0.0197**	**0.0000**	**70.7796**	**70.7796**	**0.0166**	**0.0000**	**71.1941**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6000e-003	0.0988	0.0313	2.4000e-004	5.9500e-003	2.1000e-004	6.1500e-003	1.7200e-003	2.0000e-004	1.9200e-003	0.0000	24.5409	24.5409	3.2500e-003	0.0000	24.6223
Worker	9.7700e-003	5.9800e-003	0.0705	2.8000e-004	0.0288	2.1000e-004	0.0290	7.6500e-003	2.0000e-004	7.8500e-003	0.0000	25.3812	25.3812	4.9000e-004	0.0000	25.3934
Total	**0.0124**	**0.1048**	**0.1018**	**5.2000e-004**	**0.0347**	**4.2000e-004**	**0.0351**	**9.3700e-003**	**4.0000e-004**	**9.7700e-003**	**0.0000**	**49.9221**	**49.9221**	**3.7400e-003**	**0.0000**	**50.0157**

3.13 Phase 1-E (Electric Cranes Only) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1754	1.6125	1.7874	3.0000e-003		0.0781	0.0781		0.0734	0.0734	0.0000	258.3837	258.3837	0.0621	0.0000	259.9350
Total	**0.1754**	**1.6125**	**1.7874**	**3.0000e-003**		**0.0781**	**0.0781**		**0.0734**	**0.0734**	**0.0000**	**258.3837**	**258.3837**	**0.0621**	**0.0000**	**259.9350**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0100e-003	0.2734	0.1007	7.7000e-004	0.0199	3.9000e-004	0.0203	5.7400e-003	3.8000e-004	6.1100e-003	0.0000	79.8932	79.8932	0.0106	0.0000	80.1587
Worker	0.0309	0.0181	0.2199	9.0000e-004	0.0960	7.1000e-004	0.0967	0.0255	6.5000e-004	0.0262	0.0000	81.4614	81.4614	1.4800e-003	0.0000	81.4984
Total	**0.0379**	**0.2914**	**0.3206**	**1.6700e-003**	**0.1159**	**1.1000e-003**	**0.1170**	**0.0313**	**1.0300e-003**	**0.0323**	**0.0000**	**161.3546**	**161.3546**	**0.0121**	**0.0000**	**161.6571**

3.13 Phase 1-E (Electric Cranes Only) - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1407	1.2370	1.7350	3.0000e-003		0.0607	0.0607		0.0569	0.0569	0.0000	236.3817	236.3817	0.0549	0.0000	237.7551
Total	**0.1407**	**1.2370**	**1.7350**	**3.0000e-003**		**0.0607**	**0.0607**		**0.0569**	**0.0569**	**0.0000**	**236.3817**	**236.3817**	**0.0549**	**0.0000**	**237.7551**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0100e-003	0.2734	0.1007	7.7000e-004	0.0199	3.9000e-004	0.0203	5.7400e-003	3.8000e-004	6.1100e-003	0.0000	79.8932	79.8932	0.0106	0.0000	80.1587
Worker	0.0309	0.0181	0.2199	9.0000e-004	0.0960	7.1000e-004	0.0967	0.0255	6.5000e-004	0.0262	0.0000	81.4614	81.4614	1.4800e-003	0.0000	81.4984
Total	**0.0379**	**0.2914**	**0.3206**	**1.6700e-003**	**0.1159**	**1.1000e-003**	**0.1170**	**0.0313**	**1.0300e-003**	**0.0323**	**0.0000**	**161.3546**	**161.3546**	**0.0121**	**0.0000**	**161.6571**

3.14 Phase 1-TH Architectural Coatings1 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0262					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.8600e-003	0.0610	0.0786	1.3000e-004		3.5400e-003	3.5400e-003		3.5400e-003	3.5400e-003	0.0000	11.0641	11.0641	7.2000e-004	0.0000	11.0821
Total	**0.0350**	**0.0610**	**0.0786**	**1.3000e-004**		**3.5400e-003**	**3.5400e-003**		**3.5400e-003**	**3.5400e-003**	**0.0000**	**11.0641**	**11.0641**	**7.2000e-004**	**0.0000**	**11.0821**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0152	9.2900e-003	0.1096	4.4000e-004	0.0447	3.3000e-004	0.0450	0.0119	3.1000e-004	0.0122	0.0000	39.4315	39.4315	7.6000e-004	0.0000	39.4505
Total	**0.0152**	**9.2900e-003**	**0.1096**	**4.4000e-004**	**0.0447**	**3.3000e-004**	**0.0450**	**0.0119**	**3.1000e-004**	**0.0122**	**0.0000**	**39.4315**	**39.4315**	**7.6000e-004**	**0.0000**	**39.4505**

3.14 Phase 1-TH Architectural Coatings1 - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0262					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2900e-003	5.5800e-003	0.0794	1.3000e-004		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	11.0641	11.0641	7.2000e-004	0.0000	11.0821
Total	**0.0275**	**5.5800e-003**	**0.0794**	**1.3000e-004**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**	**0.0000**	**11.0641**	**11.0641**	**7.2000e-004**	**0.0000**	**11.0821**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0152	9.2900e-003	0.1096	4.4000e-004	0.0447	3.3000e-004	0.0450	0.0119	3.1000e-004	0.0122	0.0000	39.4315	39.4315	7.6000e-004	0.0000	39.4505
Total	**0.0152**	**9.2900e-003**	**0.1096**	**4.4000e-004**	**0.0447**	**3.3000e-004**	**0.0450**	**0.0119**	**3.1000e-004**	**0.0122**	**0.0000**	**39.4315**	**39.4315**	**7.6000e-004**	**0.0000**	**39.4505**

3.14 Phase 1-TH Architectural Coatings1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0342					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0109	0.0738	0.1026	1.7000e-004		4.0100e-003	4.0100e-003		4.0100e-003	4.0100e-003	0.0000	14.4684	14.4684	8.7000e-004	0.0000	14.4901
Total	**0.0451**	**0.0738**	**0.1026**	**1.7000e-004**		**4.0100e-003**	**4.0100e-003**		**4.0100e-003**	**4.0100e-003**	**0.0000**	**14.4684**	**14.4684**	**8.7000e-004**	**0.0000**	**14.4901**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0188	0.0110	0.1338	5.5000e-004	0.0584	4.3000e-004	0.0589	0.0156	4.0000e-004	0.0159	0.0000	49.5727	49.5727	9.0000e-004	0.0000	49.5952
Total	**0.0188**	**0.0110**	**0.1338**	**5.5000e-004**	**0.0584**	**4.3000e-004**	**0.0589**	**0.0156**	**4.0000e-004**	**0.0159**	**0.0000**	**49.5727**	**49.5727**	**9.0000e-004**	**0.0000**	**49.5952**

3.14 Phase 1-TH Architectural Coatings1 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0342					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6800e-003	7.3000e-003	0.1038	1.7000e-004		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.0000	14.4684	14.4684	8.7000e-004	0.0000	14.4901
Total	**0.0359**	**7.3000e-003**	**0.1038**	**1.7000e-004**		**2.2000e-004**	**2.2000e-004**		**2.2000e-004**	**2.2000e-004**	**0.0000**	**14.4684**	**14.4684**	**8.7000e-004**	**0.0000**	**14.4901**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0188	0.0110	0.1338	5.5000e-004	0.0584	4.3000e-004	0.0589	0.0156	4.0000e-004	0.0159	0.0000	49.5727	49.5727	9.0000e-004	0.0000	49.5952
Total	**0.0188**	**0.0110**	**0.1338**	**5.5000e-004**	**0.0584**	**4.3000e-004**	**0.0589**	**0.0156**	**4.0000e-004**	**0.0159**	**0.0000**	**49.5727**	**49.5727**	**9.0000e-004**	**0.0000**	**49.5952**

3.15 Phase 1-TH (HD Equipment Mix2) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0957	0.8305	0.8621	2.1300e-003		0.0365	0.0365		0.0344	0.0344	0.0000	183.8322	183.8322	0.0485	0.0000	185.0435
Total	**0.0957**	**0.8305**	**0.8621**	**2.1300e-003**		**0.0365**	**0.0365**		**0.0344**	**0.0344**	**0.0000**	**183.8322**	**183.8322**	**0.0485**	**0.0000**	**185.0435**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3600e-003	0.2089	0.0770	5.9000e-004	0.0152	3.0000e-004	0.0155	4.3900e-003	2.9000e-004	4.6700e-003	0.0000	61.0639	61.0639	8.1200e-003	0.0000	61.2668
Worker	0.0239	0.0140	0.1700	7.0000e-004	0.0743	5.5000e-004	0.0748	0.0198	5.0000e-004	0.0203	0.0000	62.9864	62.9864	1.1400e-003	0.0000	63.0150
Total	**0.0292**	**0.2229**	**0.2470**	**1.2900e-003**	**0.0894**	**8.5000e-004**	**0.0903**	**0.0241**	**7.9000e-004**	**0.0249**	**0.0000**	**124.0503**	**124.0503**	**9.2600e-003**	**0.0000**	**124.2818**

3.15 Phase 1-TH (HD Equipment Mix2) - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0694	0.5873	1.0266	2.1300e-003		0.0245	0.0245		0.0232	0.0232	0.0000	174.2506	174.2506	0.0454	0.0000	175.3844
Total	**0.0694**	**0.5873**	**1.0266**	**2.1300e-003**		**0.0245**	**0.0245**		**0.0232**	**0.0232**	**0.0000**	**174.2506**	**174.2506**	**0.0454**	**0.0000**	**175.3844**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3600e-003	0.2089	0.0770	5.9000e-004	0.0152	3.0000e-004	0.0155	4.3900e-003	2.9000e-004	4.6700e-003	0.0000	61.0639	61.0639	8.1200e-003	0.0000	61.2668
Worker	0.0239	0.0140	0.1700	7.0000e-004	0.0743	5.5000e-004	0.0748	0.0198	5.0000e-004	0.0203	0.0000	62.9864	62.9864	1.1400e-003	0.0000	63.0150
Total	**0.0292**	**0.2229**	**0.2470**	**1.2900e-003**	**0.0894**	**8.5000e-004**	**0.0903**	**0.0241**	**7.9000e-004**	**0.0249**	**0.0000**	**124.0503**	**124.0503**	**9.2600e-003**	**0.0000**	**124.2818**

3.16 Phase 1-E Architectural Coatings - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.1320	0.1835	3.0000e-004		7.1800e-003	7.1800e-003		7.1800e-003	7.1800e-003	0.0000	25.8730	25.8730	1.5500e-003	0.0000	25.9117
Total	**0.0970**	**0.1320**	**0.1835**	**3.0000e-004**		**7.1800e-003**	**7.1800e-003**		**7.1800e-003**	**7.1800e-003**	**0.0000**	**25.8730**	**25.8730**	**1.5500e-003**	**0.0000**	**25.9117**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.9100e-003	0.1915	0.0705	5.4000e-004	0.0139	2.8000e-004	0.0142	4.0200e-003	2.6000e-004	4.2800e-003	0.0000	55.9621	55.9621	7.4400e-003	0.0000	56.1480
Worker	0.0216	0.0127	0.1540	6.3000e-004	0.0673	5.0000e-004	0.0678	0.0179	4.6000e-004	0.0184	0.0000	57.0605	57.0605	1.0400e-003	0.0000	57.0864
Total	**0.0265**	**0.2041**	**0.2246**	**1.1700e-003**	**0.0812**	**7.8000e-004**	**0.0819**	**0.0219**	**7.2000e-004**	**0.0226**	**0.0000**	**113.0226**	**113.0226**	**8.4800e-003**	**0.0000**	**113.2344**

3.16 Phase 1-E Architectural Coatings - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0100e-003	0.0131	0.1857	3.0000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	25.8729	25.8729	1.5500e-003	0.0000	25.9116
Total	**0.0806**	**0.0131**	**0.1857**	**3.0000e-004**		**4.0000e-004**	**4.0000e-004**		**4.0000e-004**	**4.0000e-004**	**0.0000**	**25.8729**	**25.8729**	**1.5500e-003**	**0.0000**	**25.9116**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.9100e-003	0.1915	0.0705	5.4000e-004	0.0139	2.8000e-004	0.0142	4.0200e-003	2.6000e-004	4.2800e-003	0.0000	55.9621	55.9621	7.4400e-003	0.0000	56.1480
Worker	0.0216	0.0127	0.1540	6.3000e-004	0.0673	5.0000e-004	0.0678	0.0179	4.6000e-004	0.0184	0.0000	57.0605	57.0605	1.0400e-003	0.0000	57.0864
Total	**0.0265**	**0.2041**	**0.2246**	**1.1700e-003**	**0.0812**	**7.8000e-004**	**0.0819**	**0.0219**	**7.2000e-004**	**0.0226**	**0.0000**	**113.0226**	**113.0226**	**8.4800e-003**	**0.0000**	**113.2344**

3.17 Phase 1-TH (No HD Equipment1) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0876	0.8130	0.9448	1.5600e-003		0.0386	0.0386		0.0364	0.0364	0.0000	134.3738	134.3738	0.0327	0.0000	135.1901
Total	**0.0876**	**0.8130**	**0.9448**	**1.5600e-003**		**0.0386**	**0.0386**		**0.0364**	**0.0364**	**0.0000**	**134.3738**	**134.3738**	**0.0327**	**0.0000**	**135.1901**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4100e-003	0.2109	0.0777	6.0000e-004	0.0153	3.0000e-004	0.0156	4.4300e-003	2.9000e-004	4.7200e-003	0.0000	61.6293	61.6293	8.1900e-003	0.0000	61.8341
Worker	0.0241	0.0141	0.1716	7.0000e-004	0.0749	5.5000e-004	0.0755	0.0199	5.1000e-004	0.0204	0.0000	63.5696	63.5696	1.1500e-003	0.0000	63.5985
Total	**0.0295**	**0.2250**	**0.2493**	**1.3000e-003**	**0.0903**	**8.5000e-004**	**0.0911**	**0.0244**	**8.0000e-004**	**0.0252**	**0.0000**	**125.1989**	**125.1989**	**9.3400e-003**	**0.0000**	**125.4326**

3.17 Phase 1-TH (No HD Equipment1) - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0692	0.6057	0.8640	1.5600e-003		0.0298	0.0298		0.0280	0.0280	0.0000	116.6633	116.6633	0.0269	0.0000	117.3365
Total	**0.0692**	**0.6057**	**0.8640**	**1.5600e-003**		**0.0298**	**0.0298**		**0.0280**	**0.0280**	**0.0000**	**116.6633**	**116.6633**	**0.0269**	**0.0000**	**117.3365**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4100e-003	0.2109	0.0777	6.0000e-004	0.0153	3.0000e-004	0.0156	4.4300e-003	2.9000e-004	4.7200e-003	0.0000	61.6293	61.6293	8.1900e-003	0.0000	61.8341
Worker	0.0241	0.0141	0.1716	7.0000e-004	0.0749	5.5000e-004	0.0755	0.0199	5.1000e-004	0.0204	0.0000	63.5696	63.5696	1.1500e-003	0.0000	63.5985
Total	**0.0295**	**0.2250**	**0.2493**	**1.3000e-003**	**0.0903**	**8.5000e-004**	**0.0911**	**0.0244**	**8.0000e-004**	**0.0252**	**0.0000**	**125.1989**	**125.1989**	**9.3400e-003**	**0.0000**	**125.4326**

3.18 Phase 1-TH (Gradealls Only) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0210	0.2098	0.2666	4.3000e-004		9.2400e-003	9.2400e-003		8.6500e-003	8.6500e-003	0.0000	37.0580	37.0580	9.9000e-003	0.0000	37.3056
Total	**0.0210**	**0.2098**	**0.2666**	**4.3000e-004**		**9.2400e-003**	**9.2400e-003**		**8.6500e-003**	**8.6500e-003**	**0.0000**	**37.0580**	**37.0580**	**9.9000e-003**	**0.0000**	**37.3056**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0400e-003	0.0406	0.0150	1.1000e-004	2.9500e-003	6.0000e-005	3.0100e-003	8.5000e-004	6.0000e-005	9.1000e-004	0.0000	11.8735	11.8735	1.5800e-003	0.0000	11.9130
Worker	4.6400e-003	2.7200e-003	0.0331	1.4000e-004	0.0144	1.1000e-004	0.0145	3.8400e-003	1.0000e-004	3.9400e-003	0.0000	12.2474	12.2474	2.2000e-004	0.0000	12.2529
Total	**5.6800e-003**	**0.0433**	**0.0480**	**2.5000e-004**	**0.0174**	**1.7000e-004**	**0.0176**	**4.6900e-003**	**1.6000e-004**	**4.8500e-003**	**0.0000**	**24.1209**	**24.1209**	**1.8000e-003**	**0.0000**	**24.1659**

3.18 Phase 1-TH (Gradealls Only) - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0151	0.1244	0.2761	4.3000e-004		5.9800e-003	5.9800e-003		5.6300e-003	5.6300e-003	0.0000	35.1949	35.1949	9.3000e-003	0.0000	35.4274
Total	**0.0151**	**0.1244**	**0.2761**	**4.3000e-004**		**5.9800e-003**	**5.9800e-003**		**5.6300e-003**	**5.6300e-003**	**0.0000**	**35.1949**	**35.1949**	**9.3000e-003**	**0.0000**	**35.4274**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0400e-003	0.0406	0.0150	1.1000e-004	2.9500e-003	6.0000e-005	3.0100e-003	8.5000e-004	6.0000e-005	9.1000e-004	0.0000	11.8735	11.8735	1.5800e-003	0.0000	11.9130
Worker	4.6400e-003	2.7200e-003	0.0331	1.4000e-004	0.0144	1.1000e-004	0.0145	3.8400e-003	1.0000e-004	3.9400e-003	0.0000	12.2474	12.2474	2.2000e-004	0.0000	12.2529
Total	**5.6800e-003**	**0.0433**	**0.0480**	**2.5000e-004**	**0.0174**	**1.7000e-004**	**0.0176**	**4.6900e-003**	**1.6000e-004**	**4.8500e-003**	**0.0000**	**24.1209**	**24.1209**	**1.8000e-003**	**0.0000**	**24.1659**

3.18 Phase 1-TH (Gradealls Only) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1035	1.0365	1.3928	2.2400e-003		0.0428	0.0428		0.0401	0.0401	0.0000	194.1243	194.1243	0.0517	0.0000	195.4167
Total	**0.1035**	**1.0365**	**1.3928**	**2.2400e-003**		**0.0428**	**0.0428**		**0.0401**	**0.0401**	**0.0000**	**194.1243**	**194.1243**	**0.0517**	**0.0000**	**195.4167**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.2200e-003	0.2076	0.0776	5.9000e-004	0.0155	2.9000e-004	0.0158	4.4700e-003	2.8000e-004	4.7500e-003	0.0000	61.6177	61.6177	8.2600e-003	0.0000	61.8241
Worker	0.0231	0.0130	0.1622	6.8000e-004	0.0756	5.5000e-004	0.0762	0.0201	5.1000e-004	0.0206	0.0000	61.5988	61.5988	1.0600e-003	0.0000	61.6253
Total	**0.0283**	**0.2206**	**0.2398**	**1.2700e-003**	**0.0911**	**8.4000e-004**	**0.0919**	**0.0246**	**7.9000e-004**	**0.0254**	**0.0000**	**123.2165**	**123.2165**	**9.3200e-003**	**0.0000**	**123.4494**

3.18 Phase 1-TH (Gradealls Only) - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0748	0.6131	1.4431	2.2400e-003		0.0276	0.0276		0.0260	0.0260	0.0000	184.3655	184.3655	0.0485	0.0000	185.5790
Total	**0.0748**	**0.6131**	**1.4431**	**2.2400e-003**		**0.0276**	**0.0276**		**0.0260**	**0.0260**	**0.0000**	**184.3655**	**184.3655**	**0.0485**	**0.0000**	**185.5790**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.2200e-003	0.2076	0.0776	5.9000e-004	0.0155	2.9000e-004	0.0158	4.4700e-003	2.8000e-004	4.7500e-003	0.0000	61.6177	61.6177	8.2600e-003	0.0000	61.8241
Worker	0.0231	0.0130	0.1622	6.8000e-004	0.0756	5.5000e-004	0.0762	0.0201	5.1000e-004	0.0206	0.0000	61.5988	61.5988	1.0600e-003	0.0000	61.6253
Total	**0.0283**	**0.2206**	**0.2398**	**1.2700e-003**	**0.0911**	**8.4000e-004**	**0.0919**	**0.0246**	**7.9000e-004**	**0.0254**	**0.0000**	**123.2165**	**123.2165**	**9.3200e-003**	**0.0000**	**123.4494**

3.19 Phase 1-F Architectural Coatings - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1114					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0211	0.1422	0.2112	3.5000e-004		7.1100e-003	7.1100e-003		7.1100e-003	7.1100e-003	0.0000	29.7880	29.7880	1.6800e-003	0.0000	29.8299
Total	**0.1325**	**0.1422**	**0.2112**	**3.5000e-004**		**7.1100e-003**	**7.1100e-003**		**7.1100e-003**	**7.1100e-003**	**0.0000**	**29.7880**	**29.7880**	**1.6800e-003**	**0.0000**	**29.8299**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0342	0.0192	0.2403	1.0100e-003	0.1120	8.2000e-004	0.1128	0.0298	7.5000e-004	0.0306	0.0000	91.2396	91.2396	1.5700e-003	0.0000	91.2788
Total	**0.0342**	**0.0192**	**0.2403**	**1.0100e-003**	**0.1120**	**8.2000e-004**	**0.1128**	**0.0298**	**7.5000e-004**	**0.0306**	**0.0000**	**91.2396**	**91.2396**	**1.5700e-003**	**0.0000**	**91.2788**

3.19 Phase 1-F Architectural Coatings - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1114					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4700e-003	0.0150	0.2138	3.5000e-004		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	29.7879	29.7879	1.6800e-003	0.0000	29.8299
Total	**0.1149**	**0.0150**	**0.2138**	**3.5000e-004**		**4.6000e-004**	**4.6000e-004**		**4.6000e-004**	**4.6000e-004**	**0.0000**	**29.7879**	**29.7879**	**1.6800e-003**	**0.0000**	**29.8299**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0342	0.0192	0.2403	1.0100e-003	0.1120	8.2000e-004	0.1128	0.0298	7.5000e-004	0.0306	0.0000	91.2396	91.2396	1.5700e-003	0.0000	91.2788
Total	**0.0342**	**0.0192**	**0.2403**	**1.0100e-003**	**0.1120**	**8.2000e-004**	**0.1128**	**0.0298**	**7.5000e-004**	**0.0306**	**0.0000**	**91.2396**	**91.2396**	**1.5700e-003**	**0.0000**	**91.2788**

3.20 Phase 1-C,D Architectural Coatings - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1793					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0366	0.2470	0.3669	6.0000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	51.7459	51.7459	2.9100e-003	0.0000	51.8188
Total	**0.2159**	**0.2470**	**0.3669**	**6.0000e-004**		**0.0124**	**0.0124**		**0.0124**	**0.0124**	**0.0000**	**51.7459**	**51.7459**	**2.9100e-003**	**0.0000**	**51.8188**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0104	0.4136	0.1546	1.1800e-003	0.0308	5.8000e-004	0.0314	8.9000e-003	5.6000e-004	9.4600e-003	0.0000	122.7665	122.7665	0.0165	0.0000	123.1777
Worker	0.0466	0.0262	0.3273	1.3700e-003	0.1525	1.1100e-003	0.1537	0.0406	1.0200e-003	0.0416	0.0000	124.2532	124.2532	2.1400e-003	0.0000	124.3066
Total	**0.0570**	**0.4397**	**0.4819**	**2.5500e-003**	**0.1833**	**1.6900e-003**	**0.1850**	**0.0495**	**1.5800e-003**	**0.0511**	**0.0000**	**247.0197**	**247.0197**	**0.0186**	**0.0000**	**247.4842**

3.20 Phase 1-C,D Architectural Coatings - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1793					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0200e-003	0.0261	0.3714	6.0000e-004		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	51.7459	51.7459	2.9100e-003	0.0000	51.8187
Total	**0.1853**	**0.0261**	**0.3714**	**6.0000e-004**		**8.0000e-004**	**8.0000e-004**		**8.0000e-004**	**8.0000e-004**	**0.0000**	**51.7459**	**51.7459**	**2.9100e-003**	**0.0000**	**51.8187**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0104	0.4136	0.1546	1.1800e-003	0.0308	5.8000e-004	0.0314	8.9000e-003	5.6000e-004	9.4600e-003	0.0000	122.7665	122.7665	0.0165	0.0000	123.1777
Worker	0.0466	0.0262	0.3273	1.3700e-003	0.1525	1.1100e-003	0.1537	0.0406	1.0200e-003	0.0416	0.0000	124.2532	124.2532	2.1400e-003	0.0000	124.3066
Total	**0.0570**	**0.4397**	**0.4819**	**2.5500e-003**	**0.1833**	**1.6900e-003**	**0.1850**	**0.0495**	**1.5800e-003**	**0.0511**	**0.0000**	**247.0197**	**247.0197**	**0.0186**	**0.0000**	**247.4842**

3.21 Phase 1-TH Architectural Coatings2 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0604					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0183	0.1235	0.1834	3.0000e-004		6.1700e-003	6.1700e-003		6.1700e-003	6.1700e-003	0.0000	25.8730	25.8730	1.4600e-003	0.0000	25.9094
Total	**0.0787**	**0.1235**	**0.1834**	**3.0000e-004**		**6.1700e-003**	**6.1700e-003**		**6.1700e-003**	**6.1700e-003**	**0.0000**	**25.8730**	**25.8730**	**1.4600e-003**	**0.0000**	**25.9094**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0320	0.0179	0.2242	9.4000e-004	0.1045	7.6000e-004	0.1053	0.0278	7.0000e-004	0.0285	0.0000	85.1183	85.1183	1.4600e-003	0.0000	85.1549
Total	**0.0320**	**0.0179**	**0.2242**	**9.4000e-004**	**0.1045**	**7.6000e-004**	**0.1053**	**0.0278**	**7.0000e-004**	**0.0285**	**0.0000**	**85.1183**	**85.1183**	**1.4600e-003**	**0.0000**	**85.1549**

3.21 Phase 1-TH Architectural Coatings2 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0604					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0100e-003	0.0131	0.1857	3.0000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	25.8729	25.8729	1.4600e-003	0.0000	25.9094
Total	**0.0634**	**0.0131**	**0.1857**	**3.0000e-004**		**4.0000e-004**	**4.0000e-004**		**4.0000e-004**	**4.0000e-004**	**0.0000**	**25.8729**	**25.8729**	**1.4600e-003**	**0.0000**	**25.9094**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0320	0.0179	0.2242	9.4000e-004	0.1045	7.6000e-004	0.1053	0.0278	7.0000e-004	0.0285	0.0000	85.1183	85.1183	1.4600e-003	0.0000	85.1549
Total	**0.0320**	**0.0179**	**0.2242**	**9.4000e-004**	**0.1045**	**7.6000e-004**	**0.1053**	**0.0278**	**7.0000e-004**	**0.0285**	**0.0000**	**85.1183**	**85.1183**	**1.4600e-003**	**0.0000**	**85.1549**

3.22 Phase 1-TH (Excavator/BobCats Only) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0188	0.1665	0.2057	4.3000e-004		7.2200e-003	7.2200e-003		6.7700e-003	6.7700e-003	0.0000	37.2169	37.2169	0.0100	0.0000	37.4674
Total	**0.0188**	**0.1665**	**0.2057**	**4.3000e-004**		**7.2200e-003**	**7.2200e-003**		**6.7700e-003**	**6.7700e-003**	**0.0000**	**37.2169**	**37.2169**	**0.0100**	**0.0000**	**37.4674**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5000e-004	0.0377	0.0141	1.1000e-004	2.8100e-003	5.0000e-005	2.8600e-003	8.1000e-004	5.0000e-005	8.6000e-004	0.0000	11.2032	11.2032	1.5000e-003	0.0000	11.2407
Worker	4.2000e-003	2.3600e-003	0.0295	1.2000e-004	0.0138	1.0000e-004	0.0139	3.6600e-003	9.0000e-005	3.7500e-003	0.0000	11.1998	11.1998	1.9000e-004	0.0000	11.2046
Total	**5.1500e-003**	**0.0401**	**0.0436**	**2.3000e-004**	**0.0166**	**1.5000e-004**	**0.0167**	**4.4700e-003**	**1.4000e-004**	**4.6100e-003**	**0.0000**	**22.4030**	**22.4030**	**1.6900e-003**	**0.0000**	**22.4453**

3.22 Phase 1-TH (Excavator/BobCats Only) - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0141	0.1232	0.2367	4.3000e-004		5.0500e-003	5.0500e-003		4.7600e-003	4.7600e-003	0.0000	35.4426	35.4426	9.4500e-003	0.0000	35.6787
Total	**0.0141**	**0.1232**	**0.2367**	**4.3000e-004**		**5.0500e-003**	**5.0500e-003**		**4.7600e-003**	**4.7600e-003**	**0.0000**	**35.4426**	**35.4426**	**9.4500e-003**	**0.0000**	**35.6787**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5000e-004	0.0377	0.0141	1.1000e-004	2.8100e-003	5.0000e-005	2.8600e-003	8.1000e-004	5.0000e-005	8.6000e-004	0.0000	11.2032	11.2032	1.5000e-003	0.0000	11.2407
Worker	4.2000e-003	2.3600e-003	0.0295	1.2000e-004	0.0138	1.0000e-004	0.0139	3.6600e-003	9.0000e-005	3.7500e-003	0.0000	11.1998	11.1998	1.9000e-004	0.0000	11.2046
Total	**5.1500e-003**	**0.0401**	**0.0436**	**2.3000e-004**	**0.0166**	**1.5000e-004**	**0.0167**	**4.4700e-003**	**1.4000e-004**	**4.6100e-003**	**0.0000**	**22.4030**	**22.4030**	**1.6900e-003**	**0.0000**	**22.4453**

3.23 Phase 1-TH (No HD Equipment2) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0339	0.3143	0.3883	6.4000e-004		0.0140	0.0140		0.0132	0.0132	0.0000	55.4854	55.4854	0.0134	0.0000	55.8206
Total	**0.0339**	**0.3143**	**0.3883**	**6.4000e-004**		**0.0140**	**0.0140**		**0.0132**	**0.0132**	**0.0000**	**55.4854**	**55.4854**	**0.0134**	**0.0000**	**55.8206**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1300e-003	0.0849	0.0318	2.4000e-004	6.3200e-003	1.2000e-004	6.4400e-003	1.8300e-003	1.1000e-004	1.9400e-003	0.0000	25.2073	25.2073	3.3800e-003	0.0000	25.2917
Worker	9.4600e-003	5.3000e-003	0.0664	2.8000e-004	0.0309	2.3000e-004	0.0312	8.2300e-003	2.1000e-004	8.4400e-003	0.0000	25.1995	25.1995	4.3000e-004	0.0000	25.2103
Total	**0.0116**	**0.0902**	**0.0981**	**5.2000e-004**	**0.0373**	**3.5000e-004**	**0.0376**	**0.0101**	**3.2000e-004**	**0.0104**	**0.0000**	**50.4068**	**50.4068**	**3.8100e-003**	**0.0000**	**50.5020**

3.23 Phase 1-TH (No HD Equipment2) - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0268	0.2343	0.3555	6.4000e-004		0.0108	0.0108		0.0101	0.0101	0.0000	48.1738	48.1738	0.0110	0.0000	48.4499
Total	**0.0268**	**0.2343**	**0.3555**	**6.4000e-004**		**0.0108**	**0.0108**		**0.0101**	**0.0101**	**0.0000**	**48.1738**	**48.1738**	**0.0110**	**0.0000**	**48.4499**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1300e-003	0.0849	0.0318	2.4000e-004	6.3200e-003	1.2000e-004	6.4400e-003	1.8300e-003	1.1000e-004	1.9400e-003	0.0000	25.2073	25.2073	3.3800e-003	0.0000	25.2917
Worker	9.4600e-003	5.3000e-003	0.0664	2.8000e-004	0.0309	2.3000e-004	0.0312	8.2300e-003	2.1000e-004	8.4400e-003	0.0000	25.1995	25.1995	4.3000e-004	0.0000	25.2103
Total	**0.0116**	**0.0902**	**0.0981**	**5.2000e-004**	**0.0373**	**3.5000e-004**	**0.0376**	**0.0101**	**3.2000e-004**	**0.0104**	**0.0000**	**50.4068**	**50.4068**	**3.8100e-003**	**0.0000**	**50.5020**

3.24 Phase 2-Material Off-Haul (No HD Equipment) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0354	0.3283	0.4056	6.7000e-004		0.0146	0.0146		0.0138	0.0138	0.0000	57.9514	57.9514	0.0140	0.0000	58.3015
Total	**0.0354**	**0.3283**	**0.4056**	**6.7000e-004**		**0.0146**	**0.0146**		**0.0138**	**0.0138**	**0.0000**	**57.9514**	**57.9514**	**0.0140**	**0.0000**	**58.3015**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0274	1.0833	0.5763	3.8800e-003	0.0876	2.2300e-003	0.0899	0.0241	2.1300e-003	0.0262	0.0000	426.2822	426.2822	0.0848	0.0000	428.4016
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0274**	**1.0833**	**0.5763**	**3.8800e-003**	**0.0876**	**2.2300e-003**	**0.0899**	**0.0241**	**2.1300e-003**	**0.0262**	**0.0000**	**426.2822**	**426.2822**	**0.0848**	**0.0000**	**428.4016**

3.24 Phase 2-Material Off-Haul (No HD Equipment) - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0280	0.2447	0.3713	6.7000e-004		0.0113	0.0113		0.0106	0.0106	0.0000	50.3149	50.3149	0.0115	0.0000	50.6033
Total	**0.0280**	**0.2447**	**0.3713**	**6.7000e-004**		**0.0113**	**0.0113**		**0.0106**	**0.0106**	**0.0000**	**50.3149**	**50.3149**	**0.0115**	**0.0000**	**50.6033**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0274	1.0833	0.5763	3.8800e-003	0.0876	2.2300e-003	0.0899	0.0241	2.1300e-003	0.0262	0.0000	426.2822	426.2822	0.0848	0.0000	428.4016
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0274**	**1.0833**	**0.5763**	**3.8800e-003**	**0.0876**	**2.2300e-003**	**0.0899**	**0.0241**	**2.1300e-003**	**0.0262**	**0.0000**	**426.2822**	**426.2822**	**0.0848**	**0.0000**	**428.4016**

3.25 Phase 2-G,A,H (HD Equipment Mix) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1329	1.1035	1.3898	3.0200e-003		0.0475	0.0475		0.0458	0.0458	0.0000	260.7981	260.7981	0.0512	0.0000	262.0790
Total	**0.1329**	**1.1035**	**1.3898**	**3.0200e-003**		**0.0475**	**0.0475**		**0.0458**	**0.0458**	**0.0000**	**260.7981**	**260.7981**	**0.0512**	**0.0000**	**262.0790**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.7900e-003	0.3894	0.1456	1.1100e-003	0.0290	5.5000e-004	0.0296	8.3800e-003	5.3000e-004	8.9100e-003	0.0000	115.6016	115.6016	0.0155	0.0000	115.9888
Worker	0.0410	0.0230	0.2876	1.2100e-003	0.1341	9.8000e-004	0.1350	0.0357	9.0000e-004	0.0366	0.0000	109.1979	109.1979	1.8800e-003	0.0000	109.2448
Total	**0.0508**	**0.4124**	**0.4332**	**2.3200e-003**	**0.1631**	**1.5300e-003**	**0.1646**	**0.0440**	**1.4300e-003**	**0.0455**	**0.0000**	**224.7995**	**224.7995**	**0.0174**	**0.0000**	**225.2336**

3.25 Phase 2-G,A,H (HD Equipment Mix) - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0778	0.6604	1.5935	3.0200e-003		0.0239	0.0239		0.0230	0.0230	0.0000	253.0796	253.0796	0.0487	0.0000	254.2981
Total	**0.0778**	**0.6604**	**1.5935**	**3.0200e-003**		**0.0239**	**0.0239**		**0.0230**	**0.0230**	**0.0000**	**253.0796**	**253.0796**	**0.0487**	**0.0000**	**254.2981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.7900e-003	0.3894	0.1456	1.1100e-003	0.0290	5.5000e-004	0.0296	8.3800e-003	5.3000e-004	8.9100e-003	0.0000	115.6016	115.6016	0.0155	0.0000	115.9888
Worker	0.0410	0.0230	0.2876	1.2100e-003	0.1341	9.8000e-004	0.1350	0.0357	9.0000e-004	0.0366	0.0000	109.1979	109.1979	1.8800e-003	0.0000	109.2448
Total	**0.0508**	**0.4124**	**0.4332**	**2.3200e-003**	**0.1631**	**1.5300e-003**	**0.1646**	**0.0440**	**1.4300e-003**	**0.0455**	**0.0000**	**224.7995**	**224.7995**	**0.0174**	**0.0000**	**225.2336**

3.25 Phase 2-G,A,H (HD Equipment Mix) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0919	0.7501	1.0190	2.2200e-003		0.0305	0.0305		0.0293	0.0293	0.0000	191.9271	191.9271	0.0374	0.0000	192.8629
Total	**0.0919**	**0.7501**	**1.0190**	**2.2200e-003**		**0.0305**	**0.0305**		**0.0293**	**0.0293**	**0.0000**	**191.9271**	**191.9271**	**0.0374**	**0.0000**	**192.8629**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.9400e-003	0.2795	0.1072	8.1000e-004	0.0213	3.9000e-004	0.0217	6.1700e-003	3.7000e-004	6.5400e-003	0.0000	84.2617	84.2617	0.0114	0.0000	84.5465
Worker	0.0288	0.0155	0.1977	8.5000e-004	0.0986	7.1000e-004	0.0993	0.0262	6.6000e-004	0.0269	0.0000	77.0437	77.0437	1.2600e-003	0.0000	77.0752
Total	**0.0357**	**0.2950**	**0.3049**	**1.6600e-003**	**0.1199**	**1.1000e-003**	**0.1211**	**0.0324**	**1.0300e-003**	**0.0334**	**0.0000**	**161.3054**	**161.3054**	**0.0127**	**0.0000**	**161.6217**

3.25 Phase 2-G,A,H (HD Equipment Mix) - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0545	0.4593	1.1703	2.2200e-003		0.0156	0.0156		0.0150	0.0150	0.0000	186.2489	186.2489	0.0356	0.0000	187.1388
Total	**0.0545**	**0.4593**	**1.1703**	**2.2200e-003**		**0.0156**	**0.0156**		**0.0150**	**0.0150**	**0.0000**	**186.2489**	**186.2489**	**0.0356**	**0.0000**	**187.1388**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.9400e-003	0.2795	0.1072	8.1000e-004	0.0213	3.9000e-004	0.0217	6.1700e-003	3.7000e-004	6.5400e-003	0.0000	84.2617	84.2617	0.0114	0.0000	84.5465
Worker	0.0288	0.0155	0.1977	8.5000e-004	0.0986	7.1000e-004	0.0993	0.0262	6.6000e-004	0.0269	0.0000	77.0437	77.0437	1.2600e-003	0.0000	77.0752
Total	**0.0357**	**0.2950**	**0.3049**	**1.6600e-003**	**0.1199**	**1.1000e-003**	**0.1211**	**0.0324**	**1.0300e-003**	**0.0334**	**0.0000**	**161.3054**	**161.3054**	**0.0127**	**0.0000**	**161.6217**

3.26 Phase 2-B/Parking Structure (HD Equipment Mix) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1059	0.8816	1.0801	2.4000e-003		0.0379	0.0379		0.0363	0.0363	0.0000	206.6966	206.6966	0.0441	0.0000	207.7988
Total	**0.1059**	**0.8816**	**1.0801**	**2.4000e-003**		**0.0379**	**0.0379**		**0.0363**	**0.0363**	**0.0000**	**206.6966**	**206.6966**	**0.0441**	**0.0000**	**207.7988**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.4300e-003	0.2558	0.0956	7.3000e-004	0.0191	3.6000e-004	0.0194	5.5100e-003	3.5000e-004	5.8500e-003	0.0000	75.9344	75.9344	0.0102	0.0000	76.1887
Worker	0.0204	0.0114	0.1431	6.0000e-004	0.0667	4.9000e-004	0.0672	0.0177	4.5000e-004	0.0182	0.0000	54.3189	54.3189	9.3000e-004	0.0000	54.3423
Total	**0.0268**	**0.2672**	**0.2387**	**1.3300e-003**	**0.0857**	**8.5000e-004**	**0.0866**	**0.0233**	**8.0000e-004**	**0.0240**	**0.0000**	**130.2533**	**130.2533**	**0.0111**	**0.0000**	**130.5310**

3.26 Phase 2-B/Parking Structure (HD Equipment Mix) - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0647	0.5491	1.2474	2.4000e-003		0.0203	0.0203		0.0194	0.0194	0.0000	198.9782	198.9782	0.0416	0.0000	200.0180
Total	**0.0647**	**0.5491**	**1.2474**	**2.4000e-003**		**0.0203**	**0.0203**		**0.0194**	**0.0194**	**0.0000**	**198.9782**	**198.9782**	**0.0416**	**0.0000**	**200.0180**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.4300e-003	0.2558	0.0956	7.3000e-004	0.0191	3.6000e-004	0.0194	5.5100e-003	3.5000e-004	5.8500e-003	0.0000	75.9344	75.9344	0.0102	0.0000	76.1887
Worker	0.0204	0.0114	0.1431	6.0000e-004	0.0667	4.9000e-004	0.0672	0.0177	4.5000e-004	0.0182	0.0000	54.3189	54.3189	9.3000e-004	0.0000	54.3423
Total	**0.0268**	**0.2672**	**0.2387**	**1.3300e-003**	**0.0857**	**8.5000e-004**	**0.0866**	**0.0233**	**8.0000e-004**	**0.0240**	**0.0000**	**130.2533**	**130.2533**	**0.0111**	**0.0000**	**130.5310**

3.26 Phase 2-B/Parking Structure (HD Equipment Mix) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0732	0.5987	0.7915	1.7600e-003		0.0244	0.0244		0.0234	0.0234	0.0000	152.1163	152.1163	0.0323	0.0000	152.9225
Total	**0.0732**	**0.5987**	**0.7915**	**1.7600e-003**		**0.0244**	**0.0244**		**0.0234**	**0.0234**	**0.0000**	**152.1163**	**152.1163**	**0.0323**	**0.0000**	**152.9225**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.5600e-003	0.1836	0.0704	5.3000e-004	0.0140	2.5000e-004	0.0143	4.0500e-003	2.4000e-004	4.2900e-003	0.0000	55.3484	55.3484	7.4800e-003	0.0000	55.5354
Worker	0.0143	7.7000e-003	0.0983	4.2000e-004	0.0491	3.5000e-004	0.0494	0.0131	3.3000e-004	0.0134	0.0000	38.3243	38.3243	6.3000e-004	0.0000	38.3400
Total	**0.0189**	**0.1913**	**0.1688**	**9.5000e-004**	**0.0631**	**6.0000e-004**	**0.0637**	**0.0171**	**5.7000e-004**	**0.0177**	**0.0000**	**93.6727**	**93.6727**	**8.1100e-003**	**0.0000**	**93.8754**

3.26 Phase 2-B/Parking Structure (HD Equipment Mix) - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0452	0.3819	0.9158	1.7600e-003		0.0132	0.0132		0.0126	0.0126	0.0000	146.4382	146.4382	0.0304	0.0000	147.1985
Total	**0.0452**	**0.3819**	**0.9158**	**1.7600e-003**		**0.0132**	**0.0132**		**0.0126**	**0.0126**	**0.0000**	**146.4382**	**146.4382**	**0.0304**	**0.0000**	**147.1985**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.5600e-003	0.1836	0.0704	5.3000e-004	0.0140	2.5000e-004	0.0143	4.0500e-003	2.4000e-004	4.2900e-003	0.0000	55.3484	55.3484	7.4800e-003	0.0000	55.5354
Worker	0.0143	7.7000e-003	0.0983	4.2000e-004	0.0491	3.5000e-004	0.0494	0.0131	3.3000e-004	0.0134	0.0000	38.3243	38.3243	6.3000e-004	0.0000	38.3400
Total	**0.0189**	**0.1913**	**0.1688**	**9.5000e-004**	**0.0631**	**6.0000e-004**	**0.0637**	**0.0171**	**5.7000e-004**	**0.0177**	**0.0000**	**93.6727**	**93.6727**	**8.1100e-003**	**0.0000**	**93.8754**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2002	1.8914	1.9478	3.8600e-003		0.0802	0.0802		0.0748	0.0748	0.0000	334.5534	334.5534	0.0880	0.0000	336.7539
Total	**0.2002**	**1.8914**	**1.9478**	**3.8600e-003**		**0.0802**	**0.0802**		**0.0748**	**0.0748**	**0.0000**	**334.5534**	**334.5534**	**0.0880**	**0.0000**	**336.7539**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0214	0.8603	0.3301	2.4800e-003	0.0657	1.1900e-003	0.0669	0.0190	1.1400e-003	0.0201	0.0000	259.3680	259.3680	0.0351	0.0000	260.2447
Worker	0.0887	0.0477	0.6086	2.6200e-003	0.3036	2.1900e-003	0.3057	0.0808	2.0200e-003	0.0828	0.0000	237.1502	237.1502	3.8800e-003	0.0000	237.2472
Total	**0.1100**	**0.9080**	**0.9386**	**5.1000e-003**	**0.3692**	**3.3800e-003**	**0.3726**	**0.0997**	**3.1600e-003**	**0.1029**	**0.0000**	**496.5182**	**496.5182**	**0.0390**	**0.0000**	**497.4919**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1484	1.3524	1.7679	3.8600e-003		0.0574	0.0574		0.0536	0.0536	0.0000	274.6306	274.6306	0.0686	0.0000	276.3466
Total	**0.1484**	**1.3524**	**1.7679**	**3.8600e-003**		**0.0574**	**0.0574**		**0.0536**	**0.0536**	**0.0000**	**274.6306**	**274.6306**	**0.0686**	**0.0000**	**276.3466**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0214	0.8603	0.3301	2.4800e-003	0.0657	1.1900e-003	0.0669	0.0190	1.1400e-003	0.0201	0.0000	259.3680	259.3680	0.0351	0.0000	260.2447
Worker	0.0887	0.0477	0.6086	2.6200e-003	0.3036	2.1900e-003	0.3057	0.0808	2.0200e-003	0.0828	0.0000	237.1502	237.1502	3.8800e-003	0.0000	237.2472
Total	**0.1100**	**0.9080**	**0.9386**	**5.1000e-003**	**0.3692**	**3.3800e-003**	**0.3726**	**0.0997**	**3.1600e-003**	**0.1029**	**0.0000**	**496.5182**	**496.5182**	**0.0390**	**0.0000**	**497.4919**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2652	2.5058	2.5806	5.1200e-003		0.1062	0.1062		0.0991	0.0991	0.0000	443.2409	443.2409	0.1166	0.0000	446.1562
Total	**0.2652**	**2.5058**	**2.5806**	**5.1200e-003**		**0.1062**	**0.1062**		**0.0991**	**0.0991**	**0.0000**	**443.2409**	**443.2409**	**0.1166**	**0.0000**	**446.1562**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0275	1.1122	0.4413	3.2500e-003	0.0870	1.5100e-003	0.0885	0.0252	1.4400e-003	0.0266	0.0000	340.6129	340.6129	0.0465	0.0000	341.7756
Worker	0.1127	0.0582	0.7575	3.3400e-003	0.4022	2.8300e-003	0.4050	0.1070	2.6000e-003	0.1096	0.0000	302.5824	302.5824	4.7200e-003	0.0000	302.7003
Total	**0.1402**	**1.1704**	**1.1988**	**6.5900e-003**	**0.4892**	**4.3400e-003**	**0.4935**	**0.1321**	**4.0400e-003**	**0.1362**	**0.0000**	**643.1953**	**643.1953**	**0.0512**	**0.0000**	**644.4759**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1967	1.7918	2.3423	5.1200e-003		0.0761	0.0761		0.0710	0.0710	0.0000	363.8507	363.8507	0.0909	0.0000	366.1241
Total	**0.1967**	**1.7918**	**2.3423**	**5.1200e-003**		**0.0761**	**0.0761**		**0.0710**	**0.0710**	**0.0000**	**363.8507**	**363.8507**	**0.0909**	**0.0000**	**366.1241**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0275	1.1122	0.4413	3.2500e-003	0.0870	1.5100e-003	0.0885	0.0252	1.4400e-003	0.0266	0.0000	340.6129	340.6129	0.0465	0.0000	341.7756
Worker	0.1127	0.0582	0.7575	3.3400e-003	0.4022	2.8300e-003	0.4050	0.1070	2.6000e-003	0.1096	0.0000	302.5824	302.5824	4.7200e-003	0.0000	302.7003
Total	**0.1402**	**1.1704**	**1.1988**	**6.5900e-003**	**0.4892**	**4.3400e-003**	**0.4935**	**0.1321**	**4.0400e-003**	**0.1362**	**0.0000**	**643.1953**	**643.1953**	**0.0512**	**0.0000**	**644.4759**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0213	0.2016	0.2076	4.1000e-004		8.5400e-003	8.5400e-003		7.9700e-003	7.9700e-003	0.0000	35.6631	35.6631	9.3800e-003	0.0000	35.8976
Total	**0.0213**	**0.2016**	**0.2076**	**4.1000e-004**		**8.5400e-003**	**8.5400e-003**		**7.9700e-003**	**7.9700e-003**	**0.0000**	**35.6631**	**35.6631**	**9.3800e-003**	**0.0000**	**35.8976**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1500e-003	0.0874	0.0358	2.6000e-004	7.0000e-003	1.2000e-004	7.1200e-003	2.0200e-003	1.1000e-004	2.1300e-003	0.0000	27.1737	27.1737	3.7500e-003	0.0000	27.2674
Worker	8.6900e-003	4.3300e-003	0.0575	2.6000e-004	0.0324	2.2000e-004	0.0326	8.6100e-003	2.0000e-004	8.8100e-003	0.0000	23.5276	23.5276	3.5000e-004	0.0000	23.5363
Total	**0.0108**	**0.0917**	**0.0933**	**5.2000e-004**	**0.0394**	**3.4000e-004**	**0.0397**	**0.0106**	**3.1000e-004**	**0.0109**	**0.0000**	**50.7013**	**50.7013**	**4.1000e-003**	**0.0000**	**50.8038**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0158	0.1442	0.1885	4.1000e-004		6.1200e-003	6.1200e-003		5.7100e-003	5.7100e-003	0.0000	29.2753	29.2753	7.3200e-003	0.0000	29.4583
Total	**0.0158**	**0.1442**	**0.1885**	**4.1000e-004**		**6.1200e-003**	**6.1200e-003**		**5.7100e-003**	**5.7100e-003**	**0.0000**	**29.2753**	**29.2753**	**7.3200e-003**	**0.0000**	**29.4583**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1500e-003	0.0874	0.0358	2.6000e-004	7.0000e-003	1.2000e-004	7.1200e-003	2.0200e-003	1.1000e-004	2.1300e-003	0.0000	27.1737	27.1737	3.7500e-003	0.0000	27.2674
Worker	8.6900e-003	4.3300e-003	0.0575	2.6000e-004	0.0324	2.2000e-004	0.0326	8.6100e-003	2.0000e-004	8.8100e-003	0.0000	23.5276	23.5276	3.5000e-004	0.0000	23.5363
Total	**0.0108**	**0.0917**	**0.0933**	**5.2000e-004**	**0.0394**	**3.4000e-004**	**0.0397**	**0.0106**	**3.1000e-004**	**0.0109**	**0.0000**	**50.7013**	**50.7013**	**4.1000e-003**	**0.0000**	**50.8038**

3.28 Phase 2-B/Parking Structure (Electric Cranes Only) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1694	1.5793	1.7768	3.3000e-003		0.0669	0.0669		0.0626	0.0626	0.0000	284.6180	284.6180	0.0719	0.0000	286.4147
Total	**0.1694**	**1.5793**	**1.7768**	**3.3000e-003**		**0.0669**	**0.0669**		**0.0626**	**0.0626**	**0.0000**	**284.6180**	**284.6180**	**0.0719**	**0.0000**	**286.4147**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0140	0.5651	0.2168	1.6300e-003	0.0431	7.8000e-004	0.0439	0.0125	7.5000e-004	0.0132	0.0000	170.3692	170.3692	0.0230	0.0000	170.9450
Worker	0.0441	0.0237	0.3027	1.3000e-003	0.1510	1.0900e-003	0.1521	0.0402	1.0000e-003	0.0412	0.0000	117.9670	117.9670	1.9300e-003	0.0000	118.0153
Total	**0.0581**	**0.5888**	**0.5195**	**2.9300e-003**	**0.1941**	**1.8700e-003**	**0.1960**	**0.0526**	**1.7500e-003**	**0.0544**	**0.0000**	**288.3362**	**288.3362**	**0.0250**	**0.0000**	**288.9603**

3.28 Phase 2-B/Parking Structure (Electric Cranes Only) - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1300	1.1652	1.6653	3.3000e-003		0.0495	0.0495		0.0463	0.0463	0.0000	244.6694	244.6694	0.0590	0.0000	246.1431
Total	**0.1300**	**1.1652**	**1.6653**	**3.3000e-003**		**0.0495**	**0.0495**		**0.0463**	**0.0463**	**0.0000**	**244.6694**	**244.6694**	**0.0590**	**0.0000**	**246.1431**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0140	0.5651	0.2168	1.6300e-003	0.0431	7.8000e-004	0.0439	0.0125	7.5000e-004	0.0132	0.0000	170.3692	170.3692	0.0230	0.0000	170.9450
Worker	0.0441	0.0237	0.3027	1.3000e-003	0.1510	1.0900e-003	0.1521	0.0402	1.0000e-003	0.0412	0.0000	117.9670	117.9670	1.9300e-003	0.0000	118.0153
Total	**0.0581**	**0.5888**	**0.5195**	**2.9300e-003**	**0.1941**	**1.8700e-003**	**0.1960**	**0.0526**	**1.7500e-003**	**0.0544**	**0.0000**	**288.3362**	**288.3362**	**0.0250**	**0.0000**	**288.9603**

3.28 Phase 2-B/Parking Structure (Electric Cranes Only) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0739	0.6895	0.7756	1.4400e-003		0.0292	0.0292		0.0273	0.0273	0.0000	124.2495	124.2495	0.0314	0.0000	125.0338
Total	**0.0739**	**0.6895**	**0.7756**	**1.4400e-003**		**0.0292**	**0.0292**		**0.0273**	**0.0273**	**0.0000**	**124.2495**	**124.2495**	**0.0314**	**0.0000**	**125.0338**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.9500e-003	0.2407	0.0955	7.0000e-004	0.0188	3.3000e-004	0.0192	5.4400e-003	3.1000e-004	5.7600e-003	0.0000	73.7214	73.7214	0.0101	0.0000	73.9731
Worker	0.0185	9.5300e-003	0.1242	5.5000e-004	0.0659	4.6000e-004	0.0664	0.0175	4.3000e-004	0.0180	0.0000	49.5951	49.5951	7.7000e-004	0.0000	49.6144
Total	**0.0244**	**0.2503**	**0.2197**	**1.2500e-003**	**0.0848**	**7.9000e-004**	**0.0855**	**0.0230**	**7.4000e-004**	**0.0237**	**0.0000**	**123.3165**	**123.3165**	**0.0108**	**0.0000**	**123.5875**

3.28 Phase 2-B/Parking Structure (Electric Cranes Only) - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0567	0.5087	0.7270	1.4400e-003		0.0216	0.0216		0.0202	0.0202	0.0000	106.8100	106.8100	0.0257	0.0000	107.4533
Total	**0.0567**	**0.5087**	**0.7270**	**1.4400e-003**		**0.0216**	**0.0216**		**0.0202**	**0.0202**	**0.0000**	**106.8100**	**106.8100**	**0.0257**	**0.0000**	**107.4533**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.9500e-003	0.2407	0.0955	7.0000e-004	0.0188	3.3000e-004	0.0192	5.4400e-003	3.1000e-004	5.7600e-003	0.0000	73.7214	73.7214	0.0101	0.0000	73.9731
Worker	0.0185	9.5300e-003	0.1242	5.5000e-004	0.0659	4.6000e-004	0.0664	0.0175	4.3000e-004	0.0180	0.0000	49.5951	49.5951	7.7000e-004	0.0000	49.6144
Total	**0.0244**	**0.2503**	**0.2197**	**1.2500e-003**	**0.0848**	**7.9000e-004**	**0.0855**	**0.0230**	**7.4000e-004**	**0.0237**	**0.0000**	**123.3165**	**123.3165**	**0.0108**	**0.0000**	**123.5875**

3.29 Phase 2-B/Parking Structure Architectural Coatings - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0244					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0150	0.1008	0.1592	2.6000e-004		4.5300e-003	4.5300e-003		4.5300e-003	4.5300e-003	0.0000	22.4686	22.4686	1.2300e-003	0.0000	22.4993
Total	**0.0395**	**0.1008**	**0.1592**	**2.6000e-004**		**4.5300e-003**	**4.5300e-003**		**4.5300e-003**	**4.5300e-003**	**0.0000**	**22.4686**	**22.4686**	**1.2300e-003**	**0.0000**	**22.4993**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.5200e-003	8.5000e-004	1.0000e-005	2.5000e-004	0.0000	2.5000e-004	6.0000e-005	0.0000	7.0000e-005	0.0000	0.5994	0.5994	1.2000e-004	0.0000	0.6025
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0148	7.9400e-003	0.1014	4.4000e-004	0.0506	3.7000e-004	0.0510	0.0135	3.4000e-004	0.0138	0.0000	39.5220	39.5220	6.5000e-004	0.0000	39.5381
Total	**0.0148**	**9.4600e-003**	**0.1023**	**4.5000e-004**	**0.0508**	**3.7000e-004**	**0.0512**	**0.0135**	**3.4000e-004**	**0.0139**	**0.0000**	**40.1214**	**40.1214**	**7.7000e-004**	**0.0000**	**40.1406**

3.29 Phase 2-B/Parking Structure Architectural Coatings - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0244					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6100e-003	0.0113	0.1613	2.6000e-004		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	22.4686	22.4686	1.2300e-003	0.0000	22.4993
Total	**0.0271**	**0.0113**	**0.1613**	**2.6000e-004**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**	**0.0000**	**22.4686**	**22.4686**	**1.2300e-003**	**0.0000**	**22.4993**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.5200e-003	8.5000e-004	1.0000e-005	2.5000e-004	0.0000	2.5000e-004	6.0000e-005	0.0000	7.0000e-005	0.0000	0.5994	0.5994	1.2000e-004	0.0000	0.6025
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0148	7.9400e-003	0.1014	4.4000e-004	0.0506	3.7000e-004	0.0510	0.0135	3.4000e-004	0.0138	0.0000	39.5220	39.5220	6.5000e-004	0.0000	39.5381
Total	**0.0148**	**9.4600e-003**	**0.1023**	**4.5000e-004**	**0.0508**	**3.7000e-004**	**0.0512**	**0.0135**	**3.4000e-004**	**0.0139**	**0.0000**	**40.1214**	**40.1214**	**7.7000e-004**	**0.0000**	**40.1406**

3.29 Phase 2-B/Parking Structure Architectural Coatings - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0319					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0196	0.1314	0.2075	3.4000e-004		5.9100e-003	5.9100e-003		5.9100e-003	5.9100e-003	0.0000	29.2773	29.2773	1.6000e-003	0.0000	29.3172
Total	**0.0514**	**0.1314**	**0.2075**	**3.4000e-004**		**5.9100e-003**	**5.9100e-003**		**5.9100e-003**	**5.9100e-003**	**0.0000**	**29.2773**	**29.2773**	**1.6000e-003**	**0.0000**	**29.3172**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	1.8900e-003	1.1400e-003	1.0000e-005	2.5000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.7721	0.7721	1.6000e-004	0.0000	0.7761
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0185	9.5300e-003	0.1242	5.5000e-004	0.0659	4.6000e-004	0.0664	0.0175	4.3000e-004	0.0180	0.0000	49.5951	49.5951	7.7000e-004	0.0000	49.6144
Total	**0.0185**	**0.0114**	**0.1253**	**5.6000e-004**	**0.0662**	**4.6000e-004**	**0.0666**	**0.0176**	**4.3000e-004**	**0.0180**	**0.0000**	**50.3672**	**50.3672**	**9.3000e-004**	**0.0000**	**50.3906**

3.29 Phase 2-B/Parking Structure Architectural Coatings - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0319					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4100e-003	0.0148	0.2101	3.4000e-004		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	29.2773	29.2773	1.6000e-003	0.0000	29.3172
Total	**0.0353**	**0.0148**	**0.2101**	**3.4000e-004**		**4.5000e-004**	**4.5000e-004**		**4.5000e-004**	**4.5000e-004**	**0.0000**	**29.2773**	**29.2773**	**1.6000e-003**	**0.0000**	**29.3172**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	1.8900e-003	1.1400e-003	1.0000e-005	2.5000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.7721	0.7721	1.6000e-004	0.0000	0.7761
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0185	9.5300e-003	0.1242	5.5000e-004	0.0659	4.6000e-004	0.0664	0.0175	4.3000e-004	0.0180	0.0000	49.5951	49.5951	7.7000e-004	0.0000	49.6144
Total	**0.0185**	**0.0114**	**0.1253**	**5.6000e-004**	**0.0662**	**4.6000e-004**	**0.0666**	**0.0176**	**4.3000e-004**	**0.0180**	**0.0000**	**50.3672**	**50.3672**	**9.3000e-004**	**0.0000**	**50.3906**

3.30 Phase 2-G,A,H Architectural Coatings - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2414					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0598	0.4009	0.6332	1.0400e-003		0.0180	0.0180		0.0180	0.0180	0.0000	89.3639	89.3639	4.8700e-003	0.0000	89.4858
Total	**0.3012**	**0.4009**	**0.6332**	**1.0400e-003**		**0.0180**	**0.0180**		**0.0180**	**0.0180**	**0.0000**	**89.3639**	**89.3639**	**4.8700e-003**	**0.0000**	**89.4858**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0756	0.0390	0.5079	2.2400e-003	0.2697	1.9000e-003	0.2715	0.0717	1.7400e-003	0.0735	0.0000	202.8809	202.8809	3.1600e-003	0.0000	202.9600
Total	**0.0756**	**0.0390**	**0.5079**	**2.2400e-003**	**0.2697**	**1.9000e-003**	**0.2715**	**0.0717**	**1.7400e-003**	**0.0735**	**0.0000**	**202.8809**	**202.8809**	**3.1600e-003**	**0.0000**	**202.9600**

3.30 Phase 2-G,A,H Architectural Coatings - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2414					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0104	0.0451	0.6413	1.0400e-003		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003	0.0000	89.3638	89.3638	4.8700e-003	0.0000	89.4856
Total	**0.2518**	**0.0451**	**0.6413**	**1.0400e-003**		**1.3900e-003**	**1.3900e-003**		**1.3900e-003**	**1.3900e-003**	**0.0000**	**89.3638**	**89.3638**	**4.8700e-003**	**0.0000**	**89.4856**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0756	0.0390	0.5079	2.2400e-003	0.2697	1.9000e-003	0.2715	0.0717	1.7400e-003	0.0735	0.0000	202.8809	202.8809	3.1600e-003	0.0000	202.9600
Total	**0.0756**	**0.0390**	**0.5079**	**2.2400e-003**	**0.2697**	**1.9000e-003**	**0.2715**	**0.0717**	**1.7400e-003**	**0.0735**	**0.0000**	**202.8809**	**202.8809**	**3.1600e-003**	**0.0000**	**202.9600**

3.30 Phase 2-G,A,H Architectural Coatings - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0290					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1800e-003	0.0481	0.0760	1.2000e-004		2.1600e-003	2.1600e-003		2.1600e-003	2.1600e-003	0.0000	10.7237	10.7237	5.8000e-004	0.0000	10.7383
Total	**0.0361**	**0.0481**	**0.0760**	**1.2000e-004**		**2.1600e-003**	**2.1600e-003**		**2.1600e-003**	**2.1600e-003**	**0.0000**	**10.7237**	**10.7237**	**5.8000e-004**	**0.0000**	**10.7383**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6900e-003	4.3300e-003	0.0575	2.6000e-004	0.0324	2.2000e-004	0.0326	8.6100e-003	2.0000e-004	8.8100e-003	0.0000	23.5276	23.5276	3.5000e-004	0.0000	23.5363
Total	**8.6900e-003**	**4.3300e-003**	**0.0575**	**2.6000e-004**	**0.0324**	**2.2000e-004**	**0.0326**	**8.6100e-003**	**2.0000e-004**	**8.8100e-003**	**0.0000**	**23.5276**	**23.5276**	**3.5000e-004**	**0.0000**	**23.5363**

3.30 Phase 2-G,A,H Architectural Coatings - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0290					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2500e-003	5.4100e-003	0.0770	1.2000e-004		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	10.7237	10.7237	5.8000e-004	0.0000	10.7383
Total	**0.0302**	**5.4100e-003**	**0.0770**	**1.2000e-004**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**	**0.0000**	**10.7237**	**10.7237**	**5.8000e-004**	**0.0000**	**10.7383**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6900e-003	4.3300e-003	0.0575	2.6000e-004	0.0324	2.2000e-004	0.0326	8.6100e-003	2.0000e-004	8.8100e-003	0.0000	23.5276	23.5276	3.5000e-004	0.0000	23.5363
Total	**8.6900e-003**	**4.3300e-003**	**0.0575**	**2.6000e-004**	**0.0324**	**2.2000e-004**	**0.0326**	**8.6100e-003**	**2.0000e-004**	**8.8100e-003**	**0.0000**	**23.5276**	**23.5276**	**3.5000e-004**	**0.0000**	**23.5363**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.7064	6.6091	18.8178	0.0711	6.6104	0.0753	6.6857	1.7802	0.0704	1.8506	0.0000	6,548.0841	6,548.0841	0.2712	0.0000	6,554.8628
Unmitigated	1.7064	6.6091	18.8178	0.0711	6.6104	0.0753	6.6857	1.7802	0.0704	1.8506	0.0000	6,548.0841	6,548.0841	0.2712	0.0000	6,554.8628

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	7,315.00	7,029.00	6446.00	16,513,692	16,513,692
City Park	7.56	91.00	66.96	59,703	59,703
Day-Care Center	740.60	62.10	58.30	643,221	643,221
Enclosed Parking with Elevator	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Strip Mall	332.40	315.30	153.23	468,726	468,726
Total	8,395.56	7,497.40	6,724.49	17,685,341	17,685,341

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Day-Care Center	9.50	7.30	7.30	12.70	82.30	5.00	28	58	14
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.604697	0.038136	0.192426	0.089922	0.013708	0.005077	0.031210	0.009257	0.004288	0.003553	0.006262	0.000945	0.000519
City Park	0.604697	0.038136	0.192426	0.089922	0.013708	0.005077	0.031210	0.009257	0.004288	0.003553	0.006262	0.000945	0.000519
Day-Care Center	0.604697	0.038136	0.192426	0.089922	0.013708	0.005077	0.031210	0.009257	0.004288	0.003553	0.006262	0.000945	0.000519
Enclosed Parking with Elevator	0.604697	0.038136	0.192426	0.089922	0.013708	0.005077	0.031210	0.009257	0.004288	0.003553	0.006262	0.000945	0.000519
Other Asphalt Surfaces	0.604697	0.038136	0.192426	0.089922	0.013708	0.005077	0.031210	0.009257	0.004288	0.003553	0.006262	0.000945	0.000519
Strip Mall	0.604697	0.038136	0.192426	0.089922	0.013708	0.005077	0.031210	0.009257	0.004288	0.003553	0.006262	0.000945	0.000519

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Balboa Reservoir-Mitigated Developer Option Construction - San Francisco County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,966.2715	1,966.2715	0.0889	0.0184	1,973.9759
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,966.2715	1,966.2715	0.0889	0.0184	1,973.9759
NaturalGas Mitigated	0.0529	0.4523	0.1965	2.8800e-003		0.0365	0.0365		0.0365	0.0365	0.0000	523.1080	523.1080	0.0100	9.5900e-003	526.2165
NaturalGas Unmitigated	0.0529	0.4523	0.1965	2.8800e-003		0.0365	0.0365		0.0365	0.0365	0.0000	523.1080	523.1080	0.0100	9.5900e-003	526.2165

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	9.60347e+006	0.0518	0.4425	0.1883	2.8200e-003		0.0358	0.0358		0.0358	0.0358	0.0000	512.4779	512.4779	9.8200e-003	9.4000e-003	515.5233
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Day-Care Center	164700	8.9000e-004	8.0700e-003	6.7800e-003	5.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	8.7890	8.7890	1.7000e-004	1.6000e-004	8.8413
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	34500	1.9000e-004	1.6900e-003	1.4200e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.8411	1.8411	4.0000e-005	3.0000e-005	1.8520
Total		**0.0529**	**0.4523**	**0.1965**	**2.8800e-003**		**0.0365**	**0.0365**		**0.0365**	**0.0365**	**0.0000**	**523.1080**	**523.1080**	**0.0100**	**9.5900e-003**	**526.2165**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	9.60347e+006	0.0518	0.4425	0.1883	2.8200e-003		0.0358	0.0358		0.0358	0.0358	0.0000	512.4779	512.4779	9.8200e-003	9.4000e-003	515.5233
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Day-Care Center	164700	8.9000e-004	8.0700e-003	6.7800e-003	5.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	8.7890	8.7890	1.7000e-004	1.6000e-004	8.8413
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	34500	1.9000e-004	1.6900e-003	1.4200e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.8411	1.8411	4.0000e-005	3.0000e-005	1.8520
Total		**0.0529**	**0.4523**	**0.1965**	**2.8800e-003**		**0.0365**	**0.0365**		**0.0365**	**0.0365**	**0.0000**	**523.1080**	**523.1080**	**0.0100**	**9.5900e-003**	**526.2165**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	4.64419e+006	1,351.0478	0.0611	0.0126	1,356.3416
City Park	0	0.0000	0.0000	0.0000	0.0000
Day-Care Center	44400	12.9165	5.8000e-004	1.2000e-004	12.9671
Enclosed Parking with Elevator	1.99181e+006	579.4415	0.0262	5.4200e-003	581.7120
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	78600	22.8656	1.0300e-003	2.1000e-004	22.9552
Total		**1,966.2715**	**0.0889**	**0.0184**	**1,973.9759**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	4.64419e+006	1,351.0478	0.0611	0.0126	1,356.3416
City Park	0	0.0000	0.0000	0.0000	0.0000
Day-Care Center	44400	12.9165	5.8000e-004	1.2000e-004	12.9671
Enclosed Parking with Elevator	1.99181e+006	579.4415	0.0262	5.4200e-003	581.7120
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	78600	22.8656	1.0300e-003	2.1000e-004	22.9552
Total		**1,966.2715**	**0.0889**	**0.0184**	**1,973.9759**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	8.8216	0.1526	11.6713	7.3900e-003		0.5450	0.5450		0.5450	0.5450	50.1487	33.9638	84.1125	0.0935	3.2900e-003	87.4291
Unmitigated	8.8216	0.1526	11.6713	7.3900e-003		0.5450	0.5450		0.5450	0.5450	50.1487	33.9638	84.1125	0.0935	3.2900e-003	87.4291

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.9230					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.1140					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.5380	0.0584	3.4949	6.9500e-003		0.4997	0.4997		0.4997	0.4997	50.1487	20.5985	70.7472	0.0806	3.2900e-003	73.7421
Landscaping	0.2466	0.0942	8.1764	4.3000e-004		0.0453	0.0453		0.0453	0.0453	0.0000	13.3654	13.3654	0.0129	0.0000	13.6869
Total	**8.8216**	**0.1526**	**11.6713**	**7.3800e-003**		**0.5450**	**0.5450**		**0.5450**	**0.5450**	**50.1487**	**33.9638**	**84.1125**	**0.0935**	**3.2900e-003**	**87.4291**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.9230					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.1140					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.5380	0.0584	3.4949	6.9500e-003		0.4997	0.4997		0.4997	0.4997	50.1487	20.5985	70.7472	0.0806	3.2900e-003	73.7421
Landscaping	0.2466	0.0942	8.1764	4.3000e-004		0.0453	0.0453		0.0453	0.0453	0.0000	13.3654	13.3654	0.0129	0.0000	13.6869
Total	**8.8216**	**0.1526**	**11.6713**	**7.3800e-003**		**0.5450**	**0.5450**		**0.5450**	**0.5450**	**50.1487**	**33.9638**	**84.1125**	**0.0935**	**3.2900e-003**	**87.4291**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	189.7428	2.3750	0.0575	266.2399
Unmitigated	189.7428	2.3750	0.0575	266.2399

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	71.6694 / 45.1829	181.5586	2.3425	0.0566	256.9972
City Park	0 / 4.76593	4.8526	2.2000e-004	5.0000e-005	4.8716
Day-Care Center	0.428896 / 1.10287	1.9341	0.0141	3.5000e-004	2.3889
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.555544 / 0.340495	1.3974	0.0182	4.4000e-004	1.9822
Total		**189.7428**	**2.3750**	**0.0575**	**266.2399**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	71.6694 / 45.1829	181.5586	2.3425	0.0566	256.9972
City Park	0 / 4.76593	4.8526	2.2000e-004	5.0000e-005	4.8716
Day-Care Center	0.428896 / 1.10287	1.9341	0.0141	3.5000e-004	2.3889
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.555544 / 0.340495	1.3974	0.0182	4.4000e-004	1.9822
Total		**189.7428**	**2.3750**	**0.0575**	**266.2399**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	107.0209	6.3248	0.0000	265.1397
Unmitigated	107.0209	6.3248	0.0000	265.1397

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	506	102.7134	6.0702	0.0000	254.4682
City Park	0.34	0.0690	4.0800e-003	0.0000	0.1710
Day-Care Center	13	2.6389	0.1560	0.0000	6.5377
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	7.88	1.5996	0.0945	0.0000	3.9629
Total		**107.0209**	**6.3248**	**0.0000**	**265.1397**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	506	102.7134	6.0702	0.0000	254.4682
City Park	0.34	0.0690	4.0800e-003	0.0000	0.1710
Day-Care Center	13	2.6389	0.1560	0.0000	6.5377
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	7.88	1.5996	0.0945	0.0000	3.9629
Total		**107.0209**	**6.3248**	**0.0000**	**265.1397**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

A3 CalEEMod Output: Additional Housing Option – Unmitigated Construction Emissions

Balboa Reservoir-Unmitigated Additional Housing Option Construction

San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Day-Care Center	10.00	1000sqft	0.00	10,000.00	0
Enclosed Parking with Elevator	650.00	Space	0.00	231,000.00	0
Other Asphalt Surfaces	4.00	Acre	4.00	174,240.00	0
City Park	4.00	Acre	4.00	174,240.00	0
Apartments Mid Rise	1,550.00	Dwelling Unit	13.00	1,588,000.00	4433
Strip Mall	7.50	1000sqft	0.00	7,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	4.6	**Precipitation Freq (Days)**	64
Climate Zone	5			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project Specific Information

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	8,750.00	0.00

tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	8,750.00	3,750.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	8,750.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	8,750.00	0.00
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tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	8,750.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	8,750.00	5,000.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	26,250.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	26,250.00	11,250.00
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tblArchitecturalCoating	ConstArea_Nonresidential_Interior	26,250.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	26,250.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	26,250.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	26,250.00	15,000.00
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tblArchitecturalCoating	ConstArea_Parking	24,314.00	0.00
tblArchitecturalCoating	ConstArea_Parking	24,314.00	0.00
tblArchitecturalCoating	ConstArea_Parking	24,314.00	0.00
tblArchitecturalCoating	ConstArea_Parking	24,314.00	0.00
tblArchitecturalCoating	ConstArea_Parking	24,314.00	13,860.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,071,900.00	132,975.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,071,900.00	288,900.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,071,900.00	40,500.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,071,900.00	110,025.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,071,900.00	361,125.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,071,900.00	40,500.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,071,900.00	97,875.00

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tblArchitecturalCoating	ConstArea_Residential_Interior	3,215,700.00	398,925.00
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tblArchitecturalCoating	ConstArea_Residential_Interior	3,215,700.00	293,625.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	16.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstructionPhase	NumDays	20.00	175.00
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tblConstructionPhase	NumDays	20.00	152.00
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tblConstructionPhase	NumDays	370.00	88.00
tblConstructionPhase	NumDays	370.00	153.00
tblConstructionPhase	NumDays	35.00	220.00
tblConstructionPhase	NumDays	10.00	65.00
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tblConstructionPhase	NumDaysWeek	5.00	6.00
tblGrading	AcresOfGrading	638.00	198.00
tblLandUse	LandUseSquareFeet	260,000.00	231,000.00
tblLandUse	LandUseSquareFeet	1,550,000.00	1,588,000.00
tblLandUse	LotAcreage	0.23	0.00
tblLandUse	LotAcreage	5.85	0.00

tblLandUse	LotAcreage	40.79	13.00
tblLandUse	LotAcreage	0.17	0.00
tblOffRoadEquipment	HorsePower	158.00	325.00
tblOffRoadEquipment	HorsePower	187.00	330.00
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tblOffRoadEquipment	HorsePower	158.00	325.00
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tblOffRoadEquipment	LoadFactor	0.38	0.50
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tblOffRoadEquipment	LoadFactor	0.38	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.50
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
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tblOffRoadEquipment	UsageHours	6.00	12.71
tblOffRoadEquipment	UsageHours	6.00	7.33
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tblOffRoadEquipment	UsageHours	6.00	15.47
tblOffRoadEquipment	UsageHours	6.00	9.91
tblOffRoadEquipment	UsageHours	7.00	7.33
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tblOffRoadEquipment	UsageHours	7.00	12.71
tblOffRoadEquipment	UsageHours	7.00	9.91
tblOffRoadEquipment	UsageHours	7.00	15.47
tblOffRoadEquipment	UsageHours	8.00	7.20
tblOffRoadEquipment	UsageHours	8.00	4.97
tblOffRoadEquipment	UsageHours	8.00	9.91
tblOffRoadEquipment	UsageHours	8.00	15.47
tblOffRoadEquipment	UsageHours	8.00	10.05
tblOffRoadEquipment	UsageHours	8.00	12.71
tblOffRoadEquipment	UsageHours	8.00	7.33
tblOffRoadEquipment	UsageHours	8.00	4.97

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tblOffRoadEquipment	UsageHours	7.00	2.83
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tblTripsAndVMT	HaulingTripLength	20.00	22.00
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tblTripsAndVMT	VendorTripNumber	264.00	33.00
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tblTripsAndVMT	VendorTripNumber	264.00	108.00

tblTripsAndVMT	VendorTripNumber	264.00	69.00
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tblTripsAndVMT	WorkerTripNumber	273.00	282.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	108.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	108.00
tblTripsAndVMT	WorkerTripNumber	273.00	136.00
tblTripsAndVMT	WorkerTripNumber	273.00	442.00
tblTripsAndVMT	WorkerTripNumber	20.00	0.00
tblTripsAndVMT	WorkerTripNumber	273.00	108.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	108.00
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tblTripsAndVMT	WorkerTripNumber	1,366.00	598.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	254.00
tblTripsAndVMT	WorkerTripNumber	273.00	254.00
tblTripsAndVMT	WorkerTripNumber	273.00	598.00
tblTripsAndVMT	WorkerTripNumber	33.00	20.00

tblTripsAndVMT	WorkerTripNumber	8.00	20.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	442.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	282.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	136.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	108.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	108.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	1.6642	17.6229	10.7806	0.0268	2.6786	0.7448	3.4234	1.3778	0.6861	2.0639	0.0000	2,363.8288	2,363.8288	0.7222	0.0000	2,381.8839
2022	1.7912	14.2001	14.0311	0.0381	1.4775	0.5461	2.0235	0.4911	0.5172	1.0083	0.0000	3,442.7039	3,442.7039	0.5806	0.0000	3,457.2177
2023	3.0593	12.4804	13.0396	0.0366	1.3763	0.4445	1.8208	0.3713	0.4174	0.7887	0.0000	3,351.4040	3,351.4040	0.5042	0.0000	3,364.0076
2024	5.9258	10.2415	12.5865	0.0347	1.3594	0.3576	1.7170	0.3653	0.3393	0.7046	0.0000	3,155.3898	3,155.3898	0.4406	0.0000	3,166.4059
2025	1.4041	7.7092	8.7601	0.0270	1.1225	0.2295	1.3520	0.3027	0.2162	0.5189	0.0000	2,490.6949	2,490.6949	0.3541	0.0000	2,499.5476
2026	4.8392	6.0959	7.4847	0.0240	1.3449	0.1865	1.5315	0.3611	0.1758	0.5369	0.0000	2,213.7775	2,213.7775	0.2606	0.0000	2,220.2914
2027	0.4658	0.4233	0.5423	1.7800e-003	0.1093	0.0131	0.1223	0.0293	0.0124	0.0417	0.0000	163.7981	163.7981	0.0178	0.0000	164.2424
Maximum	**5.9258**	**17.6229**	**14.0311**	**0.0381**	**2.6786**	**0.7448**	**3.4234**	**1.3778**	**0.6861**	**2.0639**	**0.0000**	**3,442.7039**	**3,442.7039**	**0.7222**	**0.0000**	**3,457.2177**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	1.1174	11.5424	12.7005	0.0268	2.6786	0.5079	3.1865	1.3778	0.4751	1.8529	0.0000	2,363.8261	2,363.8261	0.7222	0.0000	2,381.8811
2022	1.6649	13.9810	15.1422	0.0381	1.4775	0.5374	2.0149	0.4911	0.5160	1.0071	0.0000	3,340.8504	3,340.8504	0.5476	0.0000	3,354.5408
2023	2.9321	11.2336	12.4949	0.0366	1.3763	0.3927	1.7690	0.3713	0.3704	0.7417	0.0000	3,164.8944	3,164.8944	0.4438	0.0000	3,175.9900
2024	5.8467	9.9314	12.6790	0.0347	1.3594	0.3442	1.7036	0.3653	0.3295	0.6948	0.0000	3,031.6111	3,031.6111	0.4006	0.0000	3,041.6263
2025	1.3287	7.3273	8.7180	0.0270	1.1225	0.2119	1.3344	0.3027	0.2018	0.5045	0.0000	2,366.5116	2,366.5116	0.3139	0.0000	2,374.3602
2026	4.7682	5.3762	7.0902	0.0240	1.3449	0.1559	1.5009	0.3611	0.1477	0.5087	0.0000	2,098.6004	2,098.6004	0.2233	0.0000	2,104.1830
2027	0.4609	0.3739	0.5153	1.7800e-003	0.1093	0.0110	0.1202	0.0293	0.0104	0.0397	0.0000	155.8873	155.8873	0.0152	0.0000	156.2677
Maximum	**5.8467**	**13.9810**	**15.1422**	**0.0381**	**2.6786**	**0.5374**	**3.1865**	**1.3778**	**0.5160**	**1.8529**	**0.0000**	**3,340.8504**	**3,340.8504**	**0.7222**	**0.0000**	**3,354.5408**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.38**	**13.10**	**-3.15**	**0.00**	**0.00**	**14.31**	**3.01**	**0.00**	**13.26**	**5.54**	**0.00**	**3.84**	**3.84**	**7.41**	**0.00**	**3.85**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**3-1-2021**	**5-31-2021**	4.0432	2.6798
2	**6-1-2021**	**8-31-2021**	6.6243	4.4790
3	**9-1-2021**	**11-30-2021**	6.3685	4.0678
4	**12-1-2021**	**2-28-2022**	3.8234	2.5265

5	**3-1-2022**	**5-31-2022**	4.2551	4.5416
6	**6-1-2022**	**8-31-2022**	4.3662	4.6025
7	**9-1-2022**	**11-30-2022**	4.2828	4.0493
8	**12-1-2022**	**2-28-2023**	3.8308	3.4609
9	**3-1-2023**	**5-31-2023**	4.1512	3.8432
10	**6-1-2023**	**8-31-2023**	4.3557	3.9837
11	**9-1-2023**	**11-30-2023**	3.7607	3.3903
12	**12-1-2023**	**2-29-2024**	3.4802	3.1948
13	**3-1-2024**	**5-31-2024**	4.8750	4.5947
14	**6-1-2024**	**8-31-2024**	4.7778	4.5182
15	**9-1-2024**	**11-30-2024**	3.0591	3.3007
16	**12-1-2024**	**2-28-2025**	2.3981	2.7047
17	**3-1-2025**	**5-31-2025**	2.1625	2.1010
18	**6-1-2025**	**8-31-2025**	2.0433	1.7849
19	**9-1-2025**	**11-30-2025**	2.4530	2.1974
20	**12-1-2025**	**2-28-2026**	2.6220	2.3692
21	**3-1-2026**	**5-31-2026**	2.7037	2.4751
22	**6-1-2026**	**8-31-2026**	2.7886	2.6186
23	**9-1-2026**	**11-30-2026**	2.7747	2.6066
24	**12-1-2026**	**2-28-2027**	1.8902	1.7756
		Highest	6.6243	4.6025

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	11.3564	0.2149	16.4349	0.0104		0.7679	0.7679		0.7679	0.7679	70.6640	47.8368	118.5009	0.1316	4.6300e-003	123.1728
Energy	0.0740	0.6333	0.2735	4.0400e-003		0.0512	0.0512		0.0512	0.0512	0.0000	3,066.0846	3,066.0846	0.1196	0.0353	3,079.5816
Mobile	2.3407	9.0818	25.9230	0.0982	9.1355	0.1040	9.2394	2.4602	0.0972	2.5574	0.0000	9,044.4321	9,044.4321	0.3740	0.0000	9,053.7809
Waste						0.0000	0.0000		0.0000	0.0000	149.0400	0.0000	149.0400	8.8080	0.0000	369.2404
Water						0.0000	0.0000		0.0000	0.0000	32.3514	231.6654	264.0168	3.3333	0.0806	371.3751
Total	**13.7711**	**9.9300**	**42.6314**	**0.1126**	**9.1355**	**0.9230**	**10.0584**	**2.4602**	**0.9162**	**3.3764**	**252.0555**	**12,390.0189**	**12,642.0744**	**12.7664**	**0.1205**	**12,997.1508**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	11.3564	0.2149	16.4349	0.0104		0.7679	0.7679		0.7679	0.7679	70.6640	47.8368	118.5009	0.1316	4.6300e-003	123.1728
Energy	0.0740	0.6333	0.2735	4.0400e-003		0.0512	0.0512		0.0512	0.0512	0.0000	3,066.0846	3,066.0846	0.1196	0.0353	3,079.5816
Mobile	2.3407	9.0818	25.9230	0.0982	9.1355	0.1040	9.2394	2.4602	0.0972	2.5574	0.0000	9,044.4321	9,044.4321	0.3740	0.0000	9,053.7809
Waste						0.0000	0.0000		0.0000	0.0000	149.0400	0.0000	149.0400	8.8080	0.0000	369.2404
Water						0.0000	0.0000		0.0000	0.0000	32.3514	231.6654	264.0168	3.3333	0.0806	371.3751
Total	**13.7711**	**9.9300**	**42.6314**	**0.1126**	**9.1355**	**0.9230**	**10.0584**	**2.4602**	**0.9162**	**3.3764**	**252.0555**	**12,390.0189**	**12,642.0744**	**12.7664**	**0.1205**	**12,997.1508**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Phase 0-Demolition/Excavation/Grading	Grading	3/1/2021	12/31/2021	5	220	11
2	Phase 0-Recycling Plant	Site Preparation	5/1/2021	7/31/2021	5	65	12

3	Phase 0-Utilities/Drainage/Subgrade	Site Preparation	7/1/2021	2/28/2022	5	173	13
4	Phase 0-Roadway Lift	Paving	2/1/2022	2/28/2022	5	20	14
5	Phase 1-C,D,I (HD Equipment Mix)	Building Construction	3/1/2022	9/30/2022	5	154	15
6	Phase 1-E (HD Equipment Mix)	Building Construction	3/1/2022	9/30/2022	5	154	18
7	Phase 1-F (HD Equipment Mix)	Building Construction	3/1/2022	8/31/2022	5	132	21
8	Phase 1-TH (HD Equipment Mix1)	Building Construction	3/1/2022	6/30/2022	5	88	24
9	Phase 1-TH (Compressors/Gradeall)	Building Construction	7/1/2022	1/31/2023	5	153	25
10	Phase 1-F (Electric Cranes Only)	Building Construction	9/1/2022	8/31/2024	5	522	22
11	Phase 1-C,D,I (Electric Cranes Only)	Building Construction	10/1/2022	8/31/2024	5	500	16
12	Phase 1-E (Electric Cranes Only)	Building Construction	10/1/2022	10/31/2023	5	282	19
13	Phase 1-TH Architectural Coatings1	Architectural Coating	10/1/2022	4/30/2023	5	150	31
14	Phase 1-TH (HD Equipment Mix2)	Building Construction	2/1/2023	6/30/2023	5	108	26
15	Phase 1-E Architectural Coatings	Architectural Coating	4/1/2023	10/31/2023	5	152	20
16	Phase 1-TH (No HD Equipment1)	Building Construction	7/1/2023	11/30/2023	5	109	27
17	Phase 1-TH (Gradealls Only)	Building Construction	12/1/2023	5/31/2024	5	131	28
18	Phase 1-F Architectural Coatings	Architectural Coating	1/1/2024	8/31/2024	5	175	23
19	Phase 1-C,D,I Architectural Coatings	Architectural Coating	2/1/2024	8/31/2024	5	152	17
20	Phase 1-TH Architectural Coatings2	Architectural Coating	2/1/2024	8/31/2024	5	152	32
21	Phase 1-TH (Excavator/BobCats Only)	Building Construction	6/1/2024	6/30/2024	5	20	29
22	Phase 1-TH (No HD Equipment2)	Building Construction	7/1/2024	8/31/2024	5	45	30
23	Phase 2-Material Off-Haul (No HD Equipment)	Building Construction	9/1/2024	10/25/2024	6	47	33
24	Phase 2-G,A,H (HD Equipment Mix)	Building Construction	9/1/2024	3/31/2025	5	151	34
25	Phase 2-B (HD Equipment Mix)	Building Construction	9/1/2024	3/31/2025	5	151	37
26	Phase 2-G,A,H (Electric Cranes Only)	Building Construction	4/1/2025	1/31/2027	5	479	35
27	Phase 2-B (Electric Cranes Only)	Building Construction	4/1/2025	4/30/2026	5	283	38

28	Phase 2-B Architectural Coatings	Architectural Coating	10/1/2025	4/30/2026	5	152	39
29	Phase 2-G,A,H Architectural Coatings	Architectural Coating	5/1/2026	1/31/2027	5	196	36

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4

Residential Indoor: 866,700; Residential Outdoor: 288,900; Non-Residential Indoor: 11,250; Non-Residential Outdoor: 3,750; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase 0-Demolition/Excavation/Grading	Excavators	2	7.20	325	0.50
Phase 0-Demolition/Excavation/Grading	Other Construction Equipment	1	3.20	350	0.50
Phase 0-Demolition/Excavation/Grading	Graders	1	7.20	330	0.50
Phase 0-Demolition/Excavation/Grading	Plate Compactors	2	7.20	8	0.43
Phase 0-Demolition/Excavation/Grading	Crawler Tractors	1	7.20	400	1.00
Phase 0-Demolition/Excavation/Grading	Crawler Tractors	1	7.20	400	1.00
Phase 0-Recycling Plant	Crushing/Proc. Equipment	1	8.00	350	0.78
Phase 0-Utilities/Drainage/Subgrade	Crawler Tractors	2	6.00	400	1.00
Phase 0-Utilities/Drainage/Subgrade	Excavators	2	8.00	250	0.50
Phase 0-Utilities/Drainage/Subgrade	Plate Compactors	2	6.00	8	0.43
Phase 0-Roadway Lift	Paving Equipment	1	8.00	132	0.36
Phase 0-Roadway Lift	Pavers	1	8.00	130	0.42
Phase 0-Roadway Lift	Rollers	1	8.00	80	0.38
Phase 1-C,D,I (HD Equipment Mix)	Excavators	3	5.74	325	0.50
Phase 1-C,D,I (HD Equipment Mix)	Plate Compactors	3	2.87	8	0.43
Phase 1-C,D,I (HD Equipment Mix)	Skid Steer Loaders	3	7.18	65	0.37

Phase 1-C,D,I (HD Equipment Mix)	Tractors/Loaders/Backhoes	3	4.31	250	0.25
Phase 1-C,D,I (HD Equipment Mix)	Air Compressors	3	10.05	78	0.48
Phase 1-C,D,I (HD Equipment Mix)	Generator Sets	3	10.05	84	0.74
Phase 1-C,D,I (Electric Cranes Only)	Cranes	3	10.05	231	0.29
Phase 1-C,D,I Architectural Coatings	Air Compressors	3	10.05	78	0.48
Phase 1-E (HD Equipment Mix)	Excavators	1	7.26	325	0.50
Phase 1-E (HD Equipment Mix)	Plate Compactors	1	5.45	8	0.43
Phase 1-E (HD Equipment Mix)	Skid Steer Loaders	1	10.89	65	0.37
Phase 1-E (HD Equipment Mix)	Tractors/Loaders/Backhoes	1	3.63	250	0.25
Phase 1-E (HD Equipment Mix)	Air Compressors	1	12.71	78	0.48
Phase 1-E (HD Equipment Mix)	Generator Sets	1	12.71	84	0.74
Phase 1-E (Electric Cranes Only)	Cranes	1	12.71	231	0.29
Phase 1-E Architectural Coatings	Air Compressors	1	12.71	78	0.48
Phase 1-F (HD Equipment Mix)	Excavators	1	3.66	325	0.50
Phase 1-F (HD Equipment Mix)	Plate Compactors	1	2.44	8	0.43
Phase 1-F (HD Equipment Mix)	Skid Steer Loaders	1	6.10	65	0.37
Phase 1-F (HD Equipment Mix)	Tractors/Loaders/Backhoes	1	2.44	250	0.25
Phase 1-F (HD Equipment Mix)	Generator Sets	1	7.33	84	0.74
Phase 1-F (Electric Cranes Only)	Cranes	1	7.33	231	0.29
Phase 1-F Architectural Coatings	Air Compressors	1	7.33	78	0.48
Phase 1-TH (HD Equipment Mix1)	Excavators	1	4.97	325	0.50
Phase 1-TH (HD Equipment Mix1)	Plate Compactors	1	4.97	8	0.43
Phase 1-TH (HD Equipment Mix1)	Skid Steer Loaders	1	4.97	65	0.37
Phase 1-TH (HD Equipment Mix1)	Tractors/Loaders/Backhoes	1	4.97	250	0.25
Phase 1-TH (HD Equipment Mix1)	Air Compressors	1	4.97	78	0.48
Phase 1-TH (HD Equipment Mix1)	Generator Sets	1	4.97	84	0.74
Phase 1-TH (Compressors/Gradeall)	Air Compressors	1	4.26	78	0.48

Phase 1-TH (Compressors/Gradeall)	Rough Terrain Forklifts	4	4.97	100	0.40
Phase 1-TH (HD Equipment Mix2)	Excavators	1	4.97	325	0.50
Phase 1-TH (HD Equipment Mix2)	Plate Compactors	1	3.98	8	0.43
Phase 1-TH (HD Equipment Mix2)	Skid Steer Loaders	1	4.97	65	0.37
Phase 1-TH (HD Equipment Mix2)	Tractors/Loaders/Backhoes	1	3.98	250	0.25
Phase 1-TH (HD Equipment Mix2)	Generator Sets	1	4.97	84	0.74
Phase 1-TH (No HD Equipment1)	Aerial Lifts	1	4.97	63	0.31
Phase 1-TH (Gradealls Only)	Rough Terrain Forklifts	4	4.97	100	0.40
Phase 1-TH (Excavator/BobCats Only)	Excavators	1	4.97	325	0.50
Phase 1-TH (Excavator/BobCats Only)	Skid Steer Loaders	1	4.97	65	0.37
Phase 1-TH (No HD Equipment2)	Aerial Lifts	1	4.97	63	0.31
Phase 1-TH Architectural Coatings1	Air Compressors	1	4.97	78	0.48
Phase 1-TH Architectural Coatings2	Air Compressors	1	4.97	78	0.48
Phase 2-Material Off-Haul (No HD Equipment)	Aerial Lifts	1	8.00	63	0.31
Phase 2-G,A,H (HD Equipment Mix)	Excavators	3	4.25	325	0.50
Phase 2-G,A,H (HD Equipment Mix)	Plate Compactors	3	2.83	8	0.43
Phase 2-G,A,H (HD Equipment Mix)	Skid Steer Loaders	3	7.08	65	0.37
Phase 2-G,A,H (HD Equipment Mix)	Tractors/Loaders/Backhoes	3	2.83	250	0.25
Phase 2-G,A,H (HD Equipment Mix)	Air Compressors	3	8.49	78	0.48
Phase 2-G,A,H (HD Equipment Mix)	Generator Sets	3	9.91	84	0.74
Phase 2-G,A,H (Electric Cranes Only)	Cranes	3	9.91	231	0.29
Phase 2-G,A,H Architectural Coatings	Air Compressors	3	9.91	78	0.48
Phase 2-B (HD Equipment Mix)	Excavators	1	8.84	325	0.50
Phase 2-B (HD Equipment Mix)	Plate Compactors	1	6.63	8	0.43
Phase 2-B (HD Equipment Mix)	Skid Steer Loaders	1	13.26	65	0.37
Phase 2-B (HD Equipment Mix)	Tractors/Loaders/Backhoes	1	4.42	250	0.25
Phase 2-B (HD Equipment Mix)	Air Compressors	1	13.26	78	0.48

Phase 2-B (HD Equipment Mix)	Generator Sets	1	15.47	84	0.74
Phase 2-B (Electric Cranes Only)	Cranes	1	15.47	231	0.29
Phase 2-B Architectural Coatings	Air Compressors	1	15.47	78	0.48
Phase 1-TH (HD Equipment Mix2)	Cranes	1	7.00	231	0.29
Phase 1-TH (No HD Equipment1)	Cranes	1	7.00	231	0.29
Phase 1-TH (Gradealls Only)	Cranes	1	7.00	231	0.29
Phase 1-TH (Excavator/BobCats Only)	Cranes	1	7.00	231	0.29
Phase 1-TH (No HD Equipment2)	Cranes	1	7.00	231	0.29
Phase 2-Material Off-Haul (No HD Equipment)	Cranes	1	7.00	231	0.29
Phase 2-G,A,H (HD Equipment Mix)	Cranes	1	7.00	231	0.29
Phase 2-B (HD Equipment Mix)	Cranes	1	7.00	231	0.29
Phase 1-C,D,I (HD Equipment Mix)	Cranes	1	7.00	231	0.29
Phase 1-E (HD Equipment Mix)	Cranes	1	7.00	231	0.29
Phase 1-F (HD Equipment Mix)	Cranes	1	7.00	231	0.29
Phase 1-TH (HD Equipment Mix1)	Cranes	1	7.00	231	0.29
Phase 1-TH (Compressors/Gradeall)	Cranes	1	7.00	231	0.29
Phase 1-F (Electric Cranes Only)	Forklifts	3	8.00	89	0.20
Phase 1-C,D,I (Electric Cranes Only)	Forklifts	3	8.00	89	0.20
Phase 1-E (Electric Cranes Only)	Forklifts	3	8.00	89	0.20
Phase 1-TH (HD Equipment Mix2)	Forklifts	3	8.00	89	0.20
Phase 1-TH (No HD Equipment1)	Forklifts	3	8.00	89	0.20
Phase 1-TH (Gradealls Only)	Forklifts	3	8.00	89	0.20
Phase 1-TH (Excavator/BobCats Only)	Forklifts	3	8.00	89	0.20
Phase 1-TH (No HD Equipment2)	Forklifts	3	8.00	89	0.20
Phase 2-Material Off-Haul (No HD Equipment)	Forklifts	3	8.00	89	0.20
Phase 2-G,A,H (HD Equipment Mix)	Forklifts	3	8.00	89	0.20
Phase 2-B (HD Equipment Mix)	Forklifts	3	8.00	89	0.20

Phase 2-G,A,H (Electric Cranes Only)	Forklifts	3	8.00	89	0.20
Phase 2-B (Electric Cranes Only)	Forklifts	3	8.00	89	0.20
Phase 1-C,D,I (HD Equipment Mix)	Forklifts	3	8.00	89	0.20
Phase 1-E (HD Equipment Mix)	Forklifts	3	8.00	89	0.20
Phase 1-F (HD Equipment Mix)	Forklifts	3	8.00	89	0.20
Phase 1-TH (HD Equipment Mix1)	Forklifts	3	8.00	89	0.20
Phase 1-TH (Compressors/Gradeall)	Forklifts	3	8.00	89	0.20
Phase 1-F (Electric Cranes Only)	Generator Sets	1	8.00	84	0.74
Phase 1-C,D,I (Electric Cranes Only)	Generator Sets	1	8.00	84	0.74
Phase 1-E (Electric Cranes Only)	Generator Sets	1	8.00	84	0.74
Phase 1-TH (No HD Equipment1)	Generator Sets	1	8.00	84	0.74
Phase 1-TH (Gradealls Only)	Generator Sets	1	8.00	84	0.74
Phase 1-TH (Excavator/BobCats Only)	Generator Sets	1	8.00	84	0.74
Phase 1-TH (No HD Equipment2)	Generator Sets	1	8.00	84	0.74
Phase 2-Material Off-Haul (No HD Equipment)	Generator Sets	1	8.00	84	0.74
Phase 2-G,A,H (Electric Cranes Only)	Generator Sets	1	8.00	84	0.74
Phase 2-B (Electric Cranes Only)	Generator Sets	1	8.00	84	0.74
Phase 1-TH (Compressors/Gradeall)	Generator Sets	1	8.00	84	0.74
Phase 0-Demolition/Excavation/Grading	Rubber Tired Dozers	1	8.00	247	0.40
Phase 0-Recycling Plant	Rubber Tired Dozers	3	8.00	247	0.40
Phase 0-Utilities/Drainage/Subgrade	Rubber Tired Dozers	3	8.00	247	0.40
Phase 0-Demolition/Excavation/Grading	Scrapers	2	8.00	367	0.48
Phase 1-F (Electric Cranes Only)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1-C,D,I (Electric Cranes Only)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1-E (Electric Cranes Only)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1-TH (No HD Equipment1)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1-TH (Gradealls Only)	Tractors/Loaders/Backhoes	3	7.00	97	0.37

Phase 1-TH (Excavator/BobCats Only)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1-TH (No HD Equipment2)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 2-Material Off-Haul (No HD Equipment)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 2-G,A,H (Electric Cranes Only)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 2-B (Electric Cranes Only)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1-TH (Compressors/Gradeall)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 0-Demolition/Excavation/Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 0-Recycling Plant	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 0-Utilities/Drainage/Subgrade	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 1-F (Electric Cranes Only)	Welders	1	8.00	46	0.45
Phase 1-C,D,I (Electric Cranes Only)	Welders	1	8.00	46	0.45
Phase 1-E (Electric Cranes Only)	Welders	1	8.00	46	0.45
Phase 1-TH (HD Equipment Mix2)	Welders	1	8.00	46	0.45
Phase 1-TH (No HD Equipment1)	Welders	1	8.00	46	0.45
Phase 1-TH (Gradealls Only)	Welders	1	8.00	46	0.45
Phase 1-TH (Excavator/BobCats Only)	Welders	1	8.00	46	0.45
Phase 1-TH (No HD Equipment2)	Welders	1	8.00	46	0.45
Phase 2-Material Off-Haul (No HD Equipment)	Welders	1	8.00	46	0.45
Phase 2-G,A,H (HD Equipment Mix)	Welders	1	8.00	46	0.45
Phase 2-B (HD Equipment Mix)	Welders	1	8.00	46	0.45
Phase 2-G,A,H (Electric Cranes Only)	Welders	1	8.00	46	0.45
Phase 2-B (Electric Cranes Only)	Welders	1	8.00	46	0.45
Phase 1-C,D,I (HD Equipment Mix)	Welders	1	8.00	46	0.45
Phase 1-E (HD Equipment Mix)	Welders	1	8.00	46	0.45
Phase 1-F (HD Equipment Mix)	Welders	1	8.00	46	0.45
Phase 1-TH (HD Equipment Mix1)	Welders	1	8.00	46	0.45
Phase 1-TH (Compressors/Gradeall)	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Phase 0-Demolition/Excavation	13	60.00	0.00	34.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 0-Recycling Plant	8	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 0-Utilities/Drainage/Sub	13	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 0-Roadway Lift	3	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-C,D,I (HD Equipment Mix)	23	442.00	108.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-C,D,I (Electric Cranes Only)	11	442.00	108.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-C,D,I Architectural Coatings	3	442.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-E (HD Equipment Mix)	11	282.00	69.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-E (Electric Cranes Only)	9	282.00	69.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-E Architectural Coatings	1	282.00	69.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-F (HD Equipment Mix)	10	136.00	33.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-F (Electric Cranes Only)	9	136.00	33.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-F Architectural Coatings	1	136.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (HD Equipment Mix1)	11	108.00	25.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (Compressors/Gradea	14	108.00	25.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (HD Equipment Mix2)	10	108.00	25.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (No HD Equipment1)	10	108.00	25.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (Gradealls Only)	13	108.00	25.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (Excavator/BobCats O	11	108.00	25.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (No HD Equipment2)	10	108.00	25.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH Architectural Coatings	1	108.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH Architectural Coatings	1	108.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2-Material Off-Haul (No HD Equipme	10	0.00	0.00	1,500.00	10.80	7.30	22.00	LD_Mix	HDT_Mix	HHDT

Phase 2-G,A,H (HD Equipment Mix)	23	598.00	146.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2-G,A,H (Electric Cranes Only)	11	598.00	146.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2-G,A,H Architectural Coatings	3	598.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2-B (HD Equipment Mix)	11	254.00	62.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2-B (Electric Cranes Only)	9	254.00	62.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2-B Architectural Coatings	1	254.00	0.00	34.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

3.2 Phase 0-Demolition/Excavation/Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7674	0.0000	0.7674	0.3755	0.0000	0.3755	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.9675	10.5582	6.6070	0.0167		0.4281	0.4281		0.3940	0.3940	0.0000	1,466.6816	1,466.6816	0.4730	0.0000	1,478.5065
Total	**0.9675**	**10.5582**	**6.6070**	**0.0167**	**0.7674**	**0.4281**	**1.1955**	**0.3755**	**0.3940**	**0.7694**	**0.0000**	**1,466.6816**	**1,466.6816**	**0.4730**	**0.0000**	**1,478.5065**

3.2 Phase 0-Demolition/Excavation/Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3000e-004	5.4900e-003	1.8000e-003	1.0000e-005	2.9000e-004	2.0000e-005	3.0000e-004	8.0000e-005	2.0000e-005	9.0000e-005	0.0000	1.4917	1.4917	2.7000e-004	0.0000	1.4986
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0188	0.0120	0.1372	5.3000e-004	0.0522	3.9000e-004	0.0526	0.0139	3.6000e-004	0.0142	0.0000	47.7955	47.7955	9.8000e-004	0.0000	47.8199
Total	**0.0189**	**0.0175**	**0.1390**	**5.4000e-004**	**0.0524**	**4.1000e-004**	**0.0529**	**0.0140**	**3.8000e-004**	**0.0143**	**0.0000**	**49.2872**	**49.2872**	**1.2500e-003**	**0.0000**	**49.3185**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7674	0.0000	0.7674	0.3755	0.0000	0.3755	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6215	6.6112	7.7921	0.0167		0.2726	0.2726		0.2559	0.2559	0.0000	1,466.6799	1,466.6799	0.4730	0.0000	1,478.5047
Total	**0.6215**	**6.6112**	**7.7921**	**0.0167**	**0.7674**	**0.2726**	**1.0400**	**0.3755**	**0.2559**	**0.6314**	**0.0000**	**1,466.6799**	**1,466.6799**	**0.4730**	**0.0000**	**1,478.5047**

3.2 Phase 0-Demolition/Excavation/Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3000e-004	5.4900e-003	1.8000e-003	1.0000e-005	2.9000e-004	2.0000e-005	3.0000e-004	8.0000e-005	2.0000e-005	9.0000e-005	0.0000	1.4917	1.4917	2.7000e-004	0.0000	1.4986
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0188	0.0120	0.1372	5.3000e-004	0.0522	3.9000e-004	0.0526	0.0139	3.6000e-004	0.0142	0.0000	47.7955	47.7955	9.8000e-004	0.0000	47.8199
Total	**0.0189**	**0.0175**	**0.1390**	**5.4000e-004**	**0.0524**	**4.1000e-004**	**0.0529**	**0.0140**	**3.8000e-004**	**0.0143**	**0.0000**	**49.2872**	**49.2872**	**1.2500e-003**	**0.0000**	**49.3185**

3.3 Phase 0-Recycling Plant - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5872	0.0000	0.5872	0.3228	0.0000	0.3228	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1683	1.5625	0.8553	2.0200e-003		0.0751	0.0751		0.0697	0.0697	0.0000	189.3420	189.3420	0.0386	0.0000	190.3057
Total	**0.1683**	**1.5625**	**0.8553**	**2.0200e-003**	**0.5872**	**0.0751**	**0.6622**	**0.3228**	**0.0697**	**0.3925**	**0.0000**	**189.3420**	**189.3420**	**0.0386**	**0.0000**	**190.3057**

3.3 Phase 0-Recycling Plant - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5872	0.0000	0.5872	0.3228	0.0000	0.3228	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1358	1.3568	1.0318	2.0200e-003		0.0677	0.0677		0.0624	0.0624	0.0000	189.3417	189.3417	0.0386	0.0000	190.3055
Total	**0.1358**	**1.3568**	**1.0318**	**2.0200e-003**	**0.5872**	**0.0677**	**0.6549**	**0.3228**	**0.0624**	**0.3851**	**0.0000**	**189.3417**	**189.3417**	**0.0386**	**0.0000**	**190.3055**

3.3 Phase 0-Recycling Plant - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Phase 0-Utilities/Drainage/Subgrade - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.2612	0.0000	1.2612	0.6629	0.0000	0.6629	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5058	5.4823	3.1519	7.4000e-003		0.2412	0.2412		0.2220	0.2220	0.0000	648.9590	648.9590	0.2092	0.0000	654.1892
Total	**0.5058**	**5.4823**	**3.1519**	**7.4000e-003**	**1.2612**	**0.2412**	**1.5024**	**0.6629**	**0.2220**	**0.8848**	**0.0000**	**648.9590**	**648.9590**	**0.2092**	**0.0000**	**654.1892**

3.4 Phase 0-Utilities/Drainage/Subgrade - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7600e-003	2.4000e-003	0.0274	1.1000e-004	0.0104	8.0000e-005	0.0105	2.7700e-003	7.0000e-005	2.8500e-003	0.0000	9.5591	9.5591	2.0000e-004	0.0000	9.5640
Total	**3.7600e-003**	**2.4000e-003**	**0.0274**	**1.1000e-004**	**0.0104**	**8.0000e-005**	**0.0105**	**2.7700e-003**	**7.0000e-005**	**2.8500e-003**	**0.0000**	**9.5591**	**9.5591**	**2.0000e-004**	**0.0000**	**9.5640**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.2612	0.0000	1.2612	0.6629	0.0000	0.6629	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3374	3.5544	3.7102	7.4000e-003		0.1671	0.1671		0.1563	0.1563	0.0000	648.9582	648.9582	0.2092	0.0000	654.1884
Total	**0.3374**	**3.5544**	**3.7102**	**7.4000e-003**	**1.2612**	**0.1671**	**1.4283**	**0.6629**	**0.1563**	**0.8192**	**0.0000**	**648.9582**	**648.9582**	**0.2092**	**0.0000**	**654.1884**

3.4 Phase 0-Utilities/Drainage/Subgrade - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7600e-003	2.4000e-003	0.0274	1.1000e-004	0.0104	8.0000e-005	0.0105	2.7700e-003	7.0000e-005	2.8500e-003	0.0000	9.5591	9.5591	2.0000e-004	0.0000	9.5640
Total	**3.7600e-003**	**2.4000e-003**	**0.0274**	**1.1000e-004**	**0.0104**	**8.0000e-005**	**0.0105**	**2.7700e-003**	**7.0000e-005**	**2.8500e-003**	**0.0000**	**9.5591**	**9.5591**	**2.0000e-004**	**0.0000**	**9.5640**

3.4 Phase 0-Utilities/Drainage/Subgrade - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4392	0.0000	0.4392	0.2110	0.0000	0.2110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1348	1.4066	0.9247	2.3000e-003		0.0614	0.0614		0.0565	0.0565	0.0000	201.5842	201.5842	0.0650	0.0000	203.2088
Total	**0.1348**	**1.4066**	**0.9247**	**2.3000e-003**	**0.4392**	**0.0614**	**0.5006**	**0.2110**	**0.0565**	**0.2675**	**0.0000**	**201.5842**	**201.5842**	**0.0650**	**0.0000**	**203.2088**

3.4 Phase 0-Utilities/Drainage/Subgrade - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-003	6.7000e-004	7.9400e-003	3.0000e-005	3.2400e-003	2.0000e-005	3.2600e-003	8.6000e-004	2.0000e-005	8.8000e-004	0.0000	2.8589	2.8589	6.0000e-005	0.0000	2.8603
Total	**1.1000e-003**	**6.7000e-004**	**7.9400e-003**	**3.0000e-005**	**3.2400e-003**	**2.0000e-005**	**3.2600e-003**	**8.6000e-004**	**2.0000e-005**	**8.8000e-004**	**0.0000**	**2.8589**	**2.8589**	**6.0000e-005**	**0.0000**	**2.8603**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4392	0.0000	0.4392	0.2110	0.0000	0.2110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0901	0.9521	1.1225	2.3000e-003		0.0431	0.0431		0.0404	0.0404	0.0000	201.5839	201.5839	0.0650	0.0000	203.2085
Total	**0.0901**	**0.9521**	**1.1225**	**2.3000e-003**	**0.4392**	**0.0431**	**0.4822**	**0.2110**	**0.0404**	**0.2514**	**0.0000**	**201.5839**	**201.5839**	**0.0650**	**0.0000**	**203.2085**

3.4 Phase 0-Utilities/Drainage/Subgrade - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-003	6.7000e-004	7.9400e-003	3.0000e-005	3.2400e-003	2.0000e-005	3.2600e-003	8.6000e-004	2.0000e-005	8.8000e-004	0.0000	2.8589	2.8589	6.0000e-005	0.0000	2.8603
Total	**1.1000e-003**	**6.7000e-004**	**7.9400e-003**	**3.0000e-005**	**3.2400e-003**	**2.0000e-005**	**3.2600e-003**	**8.6000e-004**	**2.0000e-005**	**8.8000e-004**	**0.0000**	**2.8589**	**2.8589**	**6.0000e-005**	**0.0000**	**2.8603**

3.5 Phase 0-Roadway Lift - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.5100e-003	0.0556	0.0729	1.1000e-004		2.8400e-003	2.8400e-003		2.6100e-003	2.6100e-003	0.0000	10.0138	10.0138	3.2400e-003	0.0000	10.0948
Paving	5.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0108**	**0.0556**	**0.0729**	**1.1000e-004**		**2.8400e-003**	**2.8400e-003**		**2.6100e-003**	**2.6100e-003**	**0.0000**	**10.0138**	**10.0138**	**3.2400e-003**	**0.0000**	**10.0948**

3.5 Phase 0-Roadway Lift - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	3.3000e-004	3.8800e-003	2.0000e-005	1.5800e-003	1.0000e-005	1.5900e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3946	1.3946	3.0000e-005	0.0000	1.3952
Total	**5.4000e-004**	**3.3000e-004**	**3.8800e-003**	**2.0000e-005**	**1.5800e-003**	**1.0000e-005**	**1.5900e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.3946**	**1.3946**	**3.0000e-005**	**0.0000**	**1.3952**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.5100e-003	0.0556	0.0729	1.1000e-004		2.8400e-003	2.8400e-003		2.6100e-003	2.6100e-003	0.0000	10.0138	10.0138	3.2400e-003	0.0000	10.0947
Paving	5.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0108**	**0.0556**	**0.0729**	**1.1000e-004**		**2.8400e-003**	**2.8400e-003**		**2.6100e-003**	**2.6100e-003**	**0.0000**	**10.0138**	**10.0138**	**3.2400e-003**	**0.0000**	**10.0947**

3.5 Phase 0-Roadway Lift - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	3.3000e-004	3.8800e-003	2.0000e-005	1.5800e-003	1.0000e-005	1.5900e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3946	1.3946	3.0000e-005	0.0000	1.3952
Total	**5.4000e-004**	**3.3000e-004**	**3.8800e-003**	**2.0000e-005**	**1.5800e-003**	**1.0000e-005**	**1.5900e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.3946**	**1.3946**	**3.0000e-005**	**0.0000**	**1.3952**

3.6 Phase 1-C,D,I (HD Equipment Mix) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3518	3.0068	3.2617	7.4400e-003		0.1408	0.1408		0.1359	0.1359	0.0000	643.7298	643.7298	0.1339	0.0000	647.0773
Total	**0.3518**	**3.0068**	**3.2617**	**7.4400e-003**		**0.1408**	**0.1408**		**0.1359**	**0.1359**	**0.0000**	**643.7298**	**643.7298**	**0.1339**	**0.0000**	**647.0773**

3.6 Phase 1-C,D,I (HD Equipment Mix) - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0238	0.9026	0.2856	2.1800e-003	0.0544	1.8900e-003	0.0562	0.0157	1.8100e-003	0.0175	0.0000	224.2664	224.2664	0.0297	0.0000	225.0100
Worker	0.0914	0.0559	0.6594	2.6200e-003	0.2689	2.0000e-003	0.2709	0.0715	1.8400e-003	0.0734	0.0000	237.3141	237.3141	4.5700e-003	0.0000	237.4284
Total	**0.1152**	**0.9585**	**0.9450**	**4.8000e-003**	**0.3233**	**3.8900e-003**	**0.3272**	**0.0873**	**3.6500e-003**	**0.0909**	**0.0000**	**461.5804**	**461.5804**	**0.0343**	**0.0000**	**462.4383**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3379	3.5024	3.9420	7.4400e-003		0.1613	0.1613		0.1581	0.1581	0.0000	630.0665	630.0665	0.1295	0.0000	633.3035
Total	**0.3379**	**3.5024**	**3.9420**	**7.4400e-003**		**0.1613**	**0.1613**		**0.1581**	**0.1581**	**0.0000**	**630.0665**	**630.0665**	**0.1295**	**0.0000**	**633.3035**

3.6 Phase 1-C,D,I (HD Equipment Mix) - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0238	0.9026	0.2856	2.1800e-003	0.0544	1.8900e-003	0.0562	0.0157	1.8100e-003	0.0175	0.0000	224.2664	224.2664	0.0297	0.0000	225.0100
Worker	0.0914	0.0559	0.6594	2.6200e-003	0.2689	2.0000e-003	0.2709	0.0715	1.8400e-003	0.0734	0.0000	237.3141	237.3141	4.5700e-003	0.0000	237.4284
Total	**0.1152**	**0.9585**	**0.9450**	**4.8000e-003**	**0.3233**	**3.8900e-003**	**0.3272**	**0.0873**	**3.6500e-003**	**0.0909**	**0.0000**	**461.5804**	**461.5804**	**0.0343**	**0.0000**	**462.4383**

3.7 Phase 1-E (HD Equipment Mix) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1887	1.6199	1.6840	3.6300e-003		0.0778	0.0778		0.0745	0.0745	0.0000	312.9609	312.9609	0.0681	0.0000	314.6627
Total	**0.1887**	**1.6199**	**1.6840**	**3.6300e-003**		**0.0778**	**0.0778**		**0.0745**	**0.0745**	**0.0000**	**312.9609**	**312.9609**	**0.0681**	**0.0000**	**314.6627**

3.7 Phase 1-E (HD Equipment Mix) - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0152	0.5767	0.1825	1.3900e-003	0.0347	1.2100e-003	0.0359	0.0100	1.1600e-003	0.0112	0.0000	143.2813	143.2813	0.0190	0.0000	143.7564
Worker	0.0583	0.0357	0.4207	1.6700e-003	0.1716	1.2800e-003	0.1729	0.0457	1.1800e-003	0.0468	0.0000	151.4085	151.4085	2.9200e-003	0.0000	151.4815
Total	**0.0735**	**0.6123**	**0.6032**	**3.0600e-003**	**0.2063**	**2.4900e-003**	**0.2088**	**0.0557**	**2.3400e-003**	**0.0580**	**0.0000**	**294.6898**	**294.6898**	**0.0219**	**0.0000**	**295.2378**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1770	1.7636	1.9413	3.6300e-003		0.0837	0.0837		0.0814	0.0814	0.0000	299.2979	299.2979	0.0637	0.0000	300.8892
Total	**0.1770**	**1.7636**	**1.9413**	**3.6300e-003**		**0.0837**	**0.0837**		**0.0814**	**0.0814**	**0.0000**	**299.2979**	**299.2979**	**0.0637**	**0.0000**	**300.8892**

3.7 Phase 1-E (HD Equipment Mix) - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0152	0.5767	0.1825	1.3900e-003	0.0347	1.2100e-003	0.0359	0.0100	1.1600e-003	0.0112	0.0000	143.2813	143.2813	0.0190	0.0000	143.7564
Worker	0.0583	0.0357	0.4207	1.6700e-003	0.1716	1.2800e-003	0.1729	0.0457	1.1800e-003	0.0468	0.0000	151.4085	151.4085	2.9200e-003	0.0000	151.4815
Total	**0.0735**	**0.6123**	**0.6032**	**3.0600e-003**	**0.2063**	**2.4900e-003**	**0.2088**	**0.0557**	**2.3400e-003**	**0.0580**	**0.0000**	**294.6898**	**294.6898**	**0.0219**	**0.0000**	**295.2378**

3.8 Phase 1-F (HD Equipment Mix) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1018	0.9091	0.8637	1.8400e-003		0.0434	0.0434		0.0410	0.0410	0.0000	158.6117	158.6117	0.0392	0.0000	159.5918
Total	**0.1018**	**0.9091**	**0.8637**	**1.8400e-003**		**0.0434**	**0.0434**		**0.0410**	**0.0410**	**0.0000**	**158.6117**	**158.6117**	**0.0392**	**0.0000**	**159.5918**

3.8 Phase 1-F (HD Equipment Mix) - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.2300e-003	0.2364	0.0748	5.7000e-004	0.0142	5.0000e-004	0.0147	4.1100e-003	4.7000e-004	4.5900e-003	0.0000	58.7364	58.7364	7.7900e-003	0.0000	58.9312
Worker	0.0241	0.0147	0.1739	6.9000e-004	0.0709	5.3000e-004	0.0715	0.0189	4.9000e-004	0.0194	0.0000	62.5883	62.5883	1.2100e-003	0.0000	62.6185
Total	**0.0303**	**0.2511**	**0.2487**	**1.2600e-003**	**0.0852**	**1.0300e-003**	**0.0862**	**0.0230**	**9.6000e-004**	**0.0239**	**0.0000**	**121.3247**	**121.3247**	**9.0000e-003**	**0.0000**	**121.5497**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0925	0.9233	0.9532	1.8400e-003		0.0440	0.0440		0.0422	0.0422	0.0000	146.9007	146.9007	0.0354	0.0000	147.7861
Total	**0.0925**	**0.9233**	**0.9532**	**1.8400e-003**		**0.0440**	**0.0440**		**0.0422**	**0.0422**	**0.0000**	**146.9007**	**146.9007**	**0.0354**	**0.0000**	**147.7861**

3.8 Phase 1-F (HD Equipment Mix) - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.2300e-003	0.2364	0.0748	5.7000e-004	0.0142	5.0000e-004	0.0147	4.1100e-003	4.7000e-004	4.5900e-003	0.0000	58.7364	58.7364	7.7900e-003	0.0000	58.9312
Worker	0.0241	0.0147	0.1739	6.9000e-004	0.0709	5.3000e-004	0.0715	0.0189	4.9000e-004	0.0194	0.0000	62.5883	62.5883	1.2100e-003	0.0000	62.6185
Total	**0.0303**	**0.2511**	**0.2487**	**1.2600e-003**	**0.0852**	**1.0300e-003**	**0.0862**	**0.0230**	**9.6000e-004**	**0.0239**	**0.0000**	**121.3247**	**121.3247**	**9.0000e-003**	**0.0000**	**121.5497**

3.9 Phase 1-TH (HD Equipment Mix1) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0767	0.6686	0.6285	1.4200e-003		0.0317	0.0317		0.0300	0.0300	0.0000	122.4031	122.4031	0.0310	0.0000	123.1791
Total	**0.0767**	**0.6686**	**0.6285**	**1.4200e-003**		**0.0317**	**0.0317**		**0.0300**	**0.0300**	**0.0000**	**122.4031**	**122.4031**	**0.0310**	**0.0000**	**123.1791**

3.9 Phase 1-TH (HD Equipment Mix1) - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1400e-003	0.1194	0.0378	2.9000e-004	7.1900e-003	2.5000e-004	7.4400e-003	2.0800e-003	2.4000e-004	2.3200e-003	0.0000	29.6649	29.6649	3.9300e-003	0.0000	29.7632
Worker	0.0128	7.8000e-003	0.0921	3.7000e-004	0.0376	2.8000e-004	0.0378	9.9900e-003	2.6000e-004	0.0103	0.0000	33.1350	33.1350	6.4000e-004	0.0000	33.1510
Total	**0.0159**	**0.1272**	**0.1299**	**6.6000e-004**	**0.0447**	**5.3000e-004**	**0.0453**	**0.0121**	**5.0000e-004**	**0.0126**	**0.0000**	**62.7999**	**62.7999**	**4.5700e-003**	**0.0000**	**62.9142**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0703	0.7045	0.7200	1.4200e-003		0.0332	0.0332		0.0319	0.0319	0.0000	114.5957	114.5957	0.0285	0.0000	115.3086
Total	**0.0703**	**0.7045**	**0.7200**	**1.4200e-003**		**0.0332**	**0.0332**		**0.0319**	**0.0319**	**0.0000**	**114.5957**	**114.5957**	**0.0285**	**0.0000**	**115.3086**

3.9 Phase 1-TH (HD Equipment Mix1) - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1400e-003	0.1194	0.0378	2.9000e-004	7.1900e-003	2.5000e-004	7.4400e-003	2.0800e-003	2.4000e-004	2.3200e-003	0.0000	29.6649	29.6649	3.9300e-003	0.0000	29.7632
Worker	0.0128	7.8000e-003	0.0921	3.7000e-004	0.0376	2.8000e-004	0.0378	9.9900e-003	2.6000e-004	0.0103	0.0000	33.1350	33.1350	6.4000e-004	0.0000	33.1510
Total	**0.0159**	**0.1272**	**0.1299**	**6.6000e-004**	**0.0447**	**5.3000e-004**	**0.0453**	**0.0121**	**5.0000e-004**	**0.0126**	**0.0000**	**62.7999**	**62.7999**	**4.5700e-003**	**0.0000**	**62.9142**

3.10 Phase 1-TH (Compressors/Gradeall) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1395	1.3295	1.5290	2.4600e-003		0.0652	0.0652		0.0614	0.0614	0.0000	212.9866	212.9866	0.0531	0.0000	214.3138
Total	**0.1395**	**1.3295**	**1.5290**	**2.4600e-003**		**0.0652**	**0.0652**		**0.0614**	**0.0614**	**0.0000**	**212.9866**	**212.9866**	**0.0531**	**0.0000**	**214.3138**

3.10 Phase 1-TH (Compressors/Gradeall) - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.6800e-003	0.1777	0.0562	4.3000e-004	0.0107	3.7000e-004	0.0111	3.0900e-003	3.6000e-004	3.4500e-003	0.0000	44.1602	44.1602	5.8600e-003	0.0000	44.3066
Worker	0.0190	0.0116	0.1371	5.4000e-004	0.0559	4.2000e-004	0.0563	0.0149	3.8000e-004	0.0153	0.0000	49.3260	49.3260	9.5000e-004	0.0000	49.3497
Total	**0.0237**	**0.1894**	**0.1933**	**9.7000e-004**	**0.0666**	**7.9000e-004**	**0.0674**	**0.0180**	**7.4000e-004**	**0.0187**	**0.0000**	**93.4862**	**93.4862**	**6.8100e-003**	**0.0000**	**93.6563**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1310	1.2336	1.4856	2.4600e-003		0.0612	0.0612		0.0577	0.0577	0.0000	201.3642	201.3642	0.0493	0.0000	202.5974
Total	**0.1310**	**1.2336**	**1.4856**	**2.4600e-003**		**0.0612**	**0.0612**		**0.0577**	**0.0577**	**0.0000**	**201.3642**	**201.3642**	**0.0493**	**0.0000**	**202.5974**

3.10 Phase 1-TH (Compressors/Gradeall) - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.6800e-003	0.1777	0.0562	4.3000e-004	0.0107	3.7000e-004	0.0111	3.0900e-003	3.6000e-004	3.4500e-003	0.0000	44.1602	44.1602	5.8600e-003	0.0000	44.3066
Worker	0.0190	0.0116	0.1371	5.4000e-004	0.0559	4.2000e-004	0.0563	0.0149	3.8000e-004	0.0153	0.0000	49.3260	49.3260	9.5000e-004	0.0000	49.3497
Total	**0.0237**	**0.1894**	**0.1933**	**9.7000e-004**	**0.0666**	**7.9000e-004**	**0.0674**	**0.0180**	**7.4000e-004**	**0.0187**	**0.0000**	**93.4862**	**93.4862**	**6.8100e-003**	**0.0000**	**93.6563**

3.10 Phase 1-TH (Compressors/Gradeall) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0217	0.2067	0.2554	4.1000e-004		9.4800e-003	9.4800e-003		8.9300e-003	8.9300e-003	0.0000	35.7787	35.7787	8.8600e-003	0.0000	36.0003
Total	**0.0217**	**0.2067**	**0.2554**	**4.1000e-004**		**9.4800e-003**	**9.4800e-003**		**8.9300e-003**	**8.9300e-003**	**0.0000**	**35.7787**	**35.7787**	**8.8600e-003**	**0.0000**	**36.0003**

3.10 Phase 1-TH (Compressors/Gradeall) - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3000e-004	0.0247	9.1200e-003	7.0000e-005	1.8000e-003	4.0000e-005	1.8300e-003	5.2000e-004	3.0000e-005	5.5000e-004	0.0000	7.2319	7.2319	9.6000e-004	0.0000	7.2560
Worker	3.0200e-003	1.7700e-003	0.0215	9.0000e-005	9.3900e-003	7.0000e-005	9.4600e-003	2.5000e-003	6.0000e-005	2.5600e-003	0.0000	7.9638	7.9638	1.4000e-004	0.0000	7.9674
Total	**3.6500e-003**	**0.0265**	**0.0306**	**1.6000e-004**	**0.0112**	**1.1000e-004**	**0.0113**	**3.0200e-003**	**9.0000e-005**	**3.1100e-003**	**0.0000**	**15.1957**	**15.1957**	**1.1000e-003**	**0.0000**	**15.2234**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0203	0.1920	0.2484	4.1000e-004		8.8700e-003	8.8700e-003		8.3600e-003	8.3600e-003	0.0000	33.8269	33.8269	8.2300e-003	0.0000	34.0327
Total	**0.0203**	**0.1920**	**0.2484**	**4.1000e-004**		**8.8700e-003**	**8.8700e-003**		**8.3600e-003**	**8.3600e-003**	**0.0000**	**33.8269**	**33.8269**	**8.2300e-003**	**0.0000**	**34.0327**

3.10 Phase 1-TH (Compressors/Gradeall) - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3000e-004	0.0247	9.1200e-003	7.0000e-005	1.8000e-003	4.0000e-005	1.8300e-003	5.2000e-004	3.0000e-005	5.5000e-004	0.0000	7.2319	7.2319	9.6000e-004	0.0000	7.2560
Worker	3.0200e-003	1.7700e-003	0.0215	9.0000e-005	9.3900e-003	7.0000e-005	9.4600e-003	2.5000e-003	6.0000e-005	2.5600e-003	0.0000	7.9638	7.9638	1.4000e-004	0.0000	7.9674
Total	**3.6500e-003**	**0.0265**	**0.0306**	**1.6000e-004**	**0.0112**	**1.1000e-004**	**0.0113**	**3.0200e-003**	**9.0000e-005**	**3.1100e-003**	**0.0000**	**15.1957**	**15.1957**	**1.1000e-003**	**0.0000**	**15.2234**

3.11 Phase 1-F (Electric Cranes Only) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0749	0.6867	0.7152	1.1800e-003		0.0355	0.0355		0.0334	0.0334	0.0000	101.6987	101.6987	0.0244	0.0000	102.3097
Total	**0.0749**	**0.6867**	**0.7152**	**1.1800e-003**		**0.0355**	**0.0355**		**0.0334**	**0.0334**	**0.0000**	**101.6987**	**101.6987**	**0.0244**	**0.0000**	**102.3097**

3.11 Phase 1-F (Electric Cranes Only) - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.1000e-003	0.1558	0.0493	3.8000e-004	9.3800e-003	3.3000e-004	9.7100e-003	2.7100e-003	3.1000e-004	3.0200e-003	0.0000	38.7126	38.7126	5.1300e-003	0.0000	38.8410
Worker	0.0159	9.7200e-003	0.1146	4.6000e-004	0.0468	3.5000e-004	0.0471	0.0124	3.2000e-004	0.0128	0.0000	41.2514	41.2514	7.9000e-004	0.0000	41.2713
Total	**0.0200**	**0.1655**	**0.1639**	**8.4000e-004**	**0.0561**	**6.8000e-004**	**0.0568**	**0.0152**	**6.3000e-004**	**0.0158**	**0.0000**	**79.9640**	**79.9640**	**5.9200e-003**	**0.0000**	**80.1123**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0689	0.6200	0.6850	1.1800e-003		0.0327	0.0327		0.0309	0.0309	0.0000	93.6208	93.6208	0.0218	0.0000	94.1665
Total	**0.0689**	**0.6200**	**0.6850**	**1.1800e-003**		**0.0327**	**0.0327**		**0.0309**	**0.0309**	**0.0000**	**93.6208**	**93.6208**	**0.0218**	**0.0000**	**94.1665**

3.11 Phase 1-F (Electric Cranes Only) - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.1000e-003	0.1558	0.0493	3.8000e-004	9.3800e-003	3.3000e-004	9.7100e-003	2.7100e-003	3.1000e-004	3.0200e-003	0.0000	38.7126	38.7126	5.1300e-003	0.0000	38.8410
Worker	0.0159	9.7200e-003	0.1146	4.6000e-004	0.0468	3.5000e-004	0.0471	0.0124	3.2000e-004	0.0128	0.0000	41.2514	41.2514	7.9000e-004	0.0000	41.2713
Total	**0.0200**	**0.1655**	**0.1639**	**8.4000e-004**	**0.0561**	**6.8000e-004**	**0.0568**	**0.0152**	**6.3000e-004**	**0.0158**	**0.0000**	**79.9640**	**79.9640**	**5.9200e-003**	**0.0000**	**80.1123**

3.11 Phase 1-F (Electric Cranes Only) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2063	1.8902	2.1214	3.5300e-003		0.0918	0.0918		0.0864	0.0864	0.0000	304.0305	304.0305	0.0726	0.0000	305.8443
Total	**0.2063**	**1.8902**	**2.1214**	**3.5300e-003**		**0.0918**	**0.0918**		**0.0864**	**0.0864**	**0.0000**	**304.0305**	**304.0305**	**0.0726**	**0.0000**	**305.8443**

3.11 Phase 1-F (Electric Cranes Only) - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.9000e-003	0.3860	0.1422	1.0900e-003	0.0280	5.5000e-004	0.0286	8.1000e-003	5.3000e-004	8.6300e-003	0.0000	112.8183	112.8183	0.0150	0.0000	113.1932
Worker	0.0449	0.0263	0.3199	1.3100e-003	0.1397	1.0300e-003	0.1407	0.0372	9.5000e-004	0.0381	0.0000	118.5185	118.5185	2.1500e-003	0.0000	118.5723
Total	**0.0548**	**0.4123**	**0.4621**	**2.4000e-003**	**0.1677**	**1.5800e-003**	**0.1693**	**0.0453**	**1.4800e-003**	**0.0467**	**0.0000**	**231.3368**	**231.3368**	**0.0172**	**0.0000**	**231.7655**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1896	1.7086	2.0341	3.5300e-003		0.0842	0.0842		0.0794	0.0794	0.0000	279.8901	279.8901	0.0648	0.0000	281.5087
Total	**0.1896**	**1.7086**	**2.0341**	**3.5300e-003**		**0.0842**	**0.0842**		**0.0794**	**0.0794**	**0.0000**	**279.8901**	**279.8901**	**0.0648**	**0.0000**	**281.5087**

3.11 Phase 1-F (Electric Cranes Only) - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.9000e-003	0.3860	0.1422	1.0900e-003	0.0280	5.5000e-004	0.0286	8.1000e-003	5.3000e-004	8.6300e-003	0.0000	112.8183	112.8183	0.0150	0.0000	113.1932
Worker	0.0449	0.0263	0.3199	1.3100e-003	0.1397	1.0300e-003	0.1407	0.0372	9.5000e-004	0.0381	0.0000	118.5185	118.5185	2.1500e-003	0.0000	118.5723
Total	**0.0548**	**0.4123**	**0.4621**	**2.4000e-003**	**0.1677**	**1.5800e-003**	**0.1693**	**0.0453**	**1.4800e-003**	**0.0467**	**0.0000**	**231.3368**	**231.3368**	**0.0172**	**0.0000**	**231.7655**

3.11 Phase 1-F (Electric Cranes Only) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1299	1.1888	1.4209	2.3800e-003		0.0542	0.0542		0.0510	0.0510	0.0000	204.6747	204.6747	0.0486	0.0000	205.8886
Total	**0.1299**	**1.1888**	**1.4209**	**2.3800e-003**		**0.0542**	**0.0542**		**0.0510**	**0.0510**	**0.0000**	**204.6747**	**204.6747**	**0.0486**	**0.0000**	**205.8886**

3.11 Phase 1-F (Electric Cranes Only) - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3700e-003	0.2534	0.0948	7.2000e-004	0.0189	3.6000e-004	0.0192	5.4500e-003	3.4000e-004	5.8000e-003	0.0000	75.2309	75.2309	0.0101	0.0000	75.4829
Worker	0.0288	0.0161	0.2017	8.5000e-004	0.0940	6.8000e-004	0.0947	0.0250	6.3000e-004	0.0257	0.0000	76.5962	76.5962	1.3200e-003	0.0000	76.6291
Total	**0.0351**	**0.2696**	**0.2965**	**1.5700e-003**	**0.1129**	**1.0400e-003**	**0.1140**	**0.0305**	**9.7000e-004**	**0.0315**	**0.0000**	**151.8271**	**151.8271**	**0.0114**	**0.0000**	**152.1120**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1193	1.0765	1.3640	2.3800e-003		0.0495	0.0495		0.0467	0.0467	0.0000	188.4267	188.4267	0.0433	0.0000	189.5092
Total	**0.1193**	**1.0765**	**1.3640**	**2.3800e-003**		**0.0495**	**0.0495**		**0.0467**	**0.0467**	**0.0000**	**188.4267**	**188.4267**	**0.0433**	**0.0000**	**189.5092**

3.11 Phase 1-F (Electric Cranes Only) - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3700e-003	0.2534	0.0948	7.2000e-004	0.0189	3.6000e-004	0.0192	5.4500e-003	3.4000e-004	5.8000e-003	0.0000	75.2309	75.2309	0.0101	0.0000	75.4829
Worker	0.0288	0.0161	0.2017	8.5000e-004	0.0940	6.8000e-004	0.0947	0.0250	6.3000e-004	0.0257	0.0000	76.5962	76.5962	1.3200e-003	0.0000	76.6291
Total	**0.0351**	**0.2696**	**0.2965**	**1.5700e-003**	**0.1129**	**1.0400e-003**	**0.1140**	**0.0305**	**9.7000e-004**	**0.0315**	**0.0000**	**151.8271**	**151.8271**	**0.0114**	**0.0000**	**152.1120**

3.12 Phase 1-C,D,I (Electric Cranes Only) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0905	0.9010	0.7098	1.4200e-003		0.0426	0.0426		0.0398	0.0398	0.0000	122.9878	122.9878	0.0335	0.0000	123.8244
Total	**0.0905**	**0.9010**	**0.7098**	**1.4200e-003**		**0.0426**	**0.0426**		**0.0398**	**0.0398**	**0.0000**	**122.9878**	**122.9878**	**0.0335**	**0.0000**	**123.8244**

3.12 Phase 1-C,D,I (Electric Cranes Only) - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0100	0.3810	0.1205	9.2000e-004	0.0229	8.0000e-004	0.0237	6.6300e-003	7.6000e-004	7.3900e-003	0.0000	94.6579	94.6579	0.0126	0.0000	94.9717
Worker	0.0386	0.0236	0.2783	1.1100e-003	0.1135	8.5000e-004	0.1144	0.0302	7.8000e-004	0.0310	0.0000	100.1650	100.1650	1.9300e-003	0.0000	100.2133
Total	**0.0486**	**0.4046**	**0.3989**	**2.0300e-003**	**0.1365**	**1.6500e-003**	**0.1381**	**0.0368**	**1.5400e-003**	**0.0384**	**0.0000**	**194.8229**	**194.8229**	**0.0145**	**0.0000**	**195.1850**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0723	0.6960	0.6171	1.4200e-003		0.0341	0.0341		0.0319	0.0319	0.0000	98.1502	98.1502	0.0254	0.0000	98.7859
Total	**0.0723**	**0.6960**	**0.6171**	**1.4200e-003**		**0.0341**	**0.0341**		**0.0319**	**0.0319**	**0.0000**	**98.1502**	**98.1502**	**0.0254**	**0.0000**	**98.7859**

3.12 Phase 1-C,D,I (Electric Cranes Only) - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0100	0.3810	0.1205	9.2000e-004	0.0229	8.0000e-004	0.0237	6.6300e-003	7.6000e-004	7.3900e-003	0.0000	94.6579	94.6579	0.0126	0.0000	94.9717
Worker	0.0386	0.0236	0.2783	1.1100e-003	0.1135	8.5000e-004	0.1144	0.0302	7.8000e-004	0.0310	0.0000	100.1650	100.1650	1.9300e-003	0.0000	100.2133
Total	**0.0486**	**0.4046**	**0.3989**	**2.0300e-003**	**0.1365**	**1.6500e-003**	**0.1381**	**0.0368**	**1.5400e-003**	**0.0384**	**0.0000**	**194.8229**	**194.8229**	**0.0145**	**0.0000**	**195.1850**

3.12 Phase 1-C,D,I (Electric Cranes Only) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3367	3.3054	2.8018	5.6700e-003		0.1509	0.1509		0.1407	0.1407	0.0000	492.0509	492.0509	0.1334	0.0000	495.3850
Total	**0.3367**	**3.3054**	**2.8018**	**5.6700e-003**		**0.1509**	**0.1509**		**0.1407**	**0.1407**	**0.0000**	**492.0509**	**492.0509**	**0.1334**	**0.0000**	**495.3850**

3.12 Phase 1-C,D,I (Electric Cranes Only) - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0324	1.2633	0.4654	3.5600e-003	0.0918	1.8100e-003	0.0936	0.0265	1.7400e-003	0.0283	0.0000	369.2234	369.2234	0.0491	0.0000	370.4503
Worker	0.1460	0.0856	1.0396	4.2500e-003	0.4540	3.3400e-003	0.4574	0.1208	3.0800e-003	0.1239	0.0000	385.1852	385.1852	7.0000e-003	0.0000	385.3601
Total	**0.1784**	**1.3488**	**1.5050**	**7.8100e-003**	**0.5458**	**5.1500e-003**	**0.5510**	**0.1473**	**4.8200e-003**	**0.1521**	**0.0000**	**754.4086**	**754.4086**	**0.0561**	**0.0000**	**755.8104**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2678	2.5576	2.4423	5.6700e-003		0.1197	0.1197		0.1120	0.1120	0.0000	392.7022	392.7022	0.1012	0.0000	395.2330
Total	**0.2678**	**2.5576**	**2.4423**	**5.6700e-003**		**0.1197**	**0.1197**		**0.1120**	**0.1120**	**0.0000**	**392.7022**	**392.7022**	**0.1012**	**0.0000**	**395.2330**

3.12 Phase 1-C,D,I (Electric Cranes Only) - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0324	1.2633	0.4654	3.5600e-003	0.0918	1.8100e-003	0.0936	0.0265	1.7400e-003	0.0283	0.0000	369.2234	369.2234	0.0491	0.0000	370.4503
Worker	0.1460	0.0856	1.0396	4.2500e-003	0.4540	3.3400e-003	0.4574	0.1208	3.0800e-003	0.1239	0.0000	385.1852	385.1852	7.0000e-003	0.0000	385.3601
Total	**0.1784**	**1.3488**	**1.5050**	**7.8100e-003**	**0.5458**	**5.1500e-003**	**0.5510**	**0.1473**	**4.8200e-003**	**0.1521**	**0.0000**	**754.4086**	**754.4086**	**0.0561**	**0.0000**	**755.8104**

3.12 Phase 1-C,D,I (Electric Cranes Only) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2128	2.0636	1.8640	3.8200e-003		0.0906	0.0906		0.0844	0.0844	0.0000	331.2242	331.2242	0.0895	0.0000	333.4613
Total	**0.2128**	**2.0636**	**1.8640**	**3.8200e-003**		**0.0906**	**0.0906**		**0.0844**	**0.0844**	**0.0000**	**331.2242**	**331.2242**	**0.0895**	**0.0000**	**333.4613**

3.12 Phase 1-C,D,I (Electric Cranes Only) - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0208	0.8294	0.3101	2.3700e-003	0.0618	1.1700e-003	0.0629	0.0179	1.1200e-003	0.0190	0.0000	246.2103	246.2103	0.0330	0.0000	247.0350
Worker	0.0934	0.0524	0.6557	2.7500e-003	0.3056	2.2300e-003	0.3078	0.0813	2.0500e-003	0.0834	0.0000	248.9377	248.9377	4.2800e-003	0.0000	249.0446
Total	**0.1143**	**0.8818**	**0.9658**	**5.1200e-003**	**0.3674**	**3.4000e-003**	**0.3708**	**0.0992**	**3.1700e-003**	**0.1023**	**0.0000**	**495.1480**	**495.1480**	**0.0373**	**0.0000**	**496.0796**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1690	1.6014	1.6299	3.8200e-003		0.0714	0.0714		0.0668	0.0668	0.0000	264.3563	264.3563	0.0679	0.0000	266.0528
Total	**0.1690**	**1.6014**	**1.6299**	**3.8200e-003**		**0.0714**	**0.0714**		**0.0668**	**0.0668**	**0.0000**	**264.3563**	**264.3563**	**0.0679**	**0.0000**	**266.0528**

3.12 Phase 1-C,D,I (Electric Cranes Only) - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0208	0.8294	0.3101	2.3700e-003	0.0618	1.1700e-003	0.0629	0.0179	1.1200e-003	0.0190	0.0000	246.2103	246.2103	0.0330	0.0000	247.0350
Worker	0.0934	0.0524	0.6557	2.7500e-003	0.3056	2.2300e-003	0.3078	0.0813	2.0500e-003	0.0834	0.0000	248.9377	248.9377	4.2800e-003	0.0000	249.0446
Total	**0.1143**	**0.8818**	**0.9658**	**5.1200e-003**	**0.3674**	**3.4000e-003**	**0.3708**	**0.0992**	**3.1700e-003**	**0.1023**	**0.0000**	**495.1480**	**495.1480**	**0.0373**	**0.0000**	**496.0796**

3.13 Phase 1-E (Electric Cranes Only) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0641	0.6046	0.5757	1.0100e-003		0.0303	0.0303		0.0285	0.0285	0.0000	87.0700	87.0700	0.0219	0.0000	87.6161
Total	**0.0641**	**0.6046**	**0.5757**	**1.0100e-003**		**0.0303**	**0.0303**		**0.0285**	**0.0285**	**0.0000**	**87.0700**	**87.0700**	**0.0219**	**0.0000**	**87.6161**

3.13 Phase 1-E (Electric Cranes Only) - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.4100e-003	0.2434	0.0770	5.9000e-004	0.0147	5.1000e-004	0.0152	4.2400e-003	4.9000e-004	4.7200e-003	0.0000	60.4759	60.4759	8.0200e-003	0.0000	60.6764
Worker	0.0246	0.0151	0.1776	7.1000e-004	0.0724	5.4000e-004	0.0730	0.0193	5.0000e-004	0.0198	0.0000	63.9062	63.9062	1.2300e-003	0.0000	63.9370
Total	**0.0310**	**0.2585**	**0.2546**	**1.3000e-003**	**0.0871**	**1.0500e-003**	**0.0881**	**0.0235**	**9.9000e-004**	**0.0245**	**0.0000**	**124.3821**	**124.3821**	**9.2500e-003**	**0.0000**	**124.6134**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0564	0.5182	0.5366	1.0100e-003		0.0267	0.0267		0.0251	0.0251	0.0000	76.5995	76.5995	0.0185	0.0000	77.0610
Total	**0.0564**	**0.5182**	**0.5366**	**1.0100e-003**		**0.0267**	**0.0267**		**0.0251**	**0.0251**	**0.0000**	**76.5995**	**76.5995**	**0.0185**	**0.0000**	**77.0610**

3.13 Phase 1-E (Electric Cranes Only) - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.4100e-003	0.2434	0.0770	5.9000e-004	0.0147	5.1000e-004	0.0152	4.2400e-003	4.9000e-004	4.7200e-003	0.0000	60.4759	60.4759	8.0200e-003	0.0000	60.6764
Worker	0.0246	0.0151	0.1776	7.1000e-004	0.0724	5.4000e-004	0.0730	0.0193	5.0000e-004	0.0198	0.0000	63.9062	63.9062	1.2300e-003	0.0000	63.9370
Total	**0.0310**	**0.2585**	**0.2546**	**1.3000e-003**	**0.0871**	**1.0500e-003**	**0.0881**	**0.0235**	**9.9000e-004**	**0.0245**	**0.0000**	**124.3821**	**124.3821**	**9.2500e-003**	**0.0000**	**124.6134**

3.13 Phase 1-E (Electric Cranes Only) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1979	1.8562	1.9045	3.3700e-003		0.0883	0.0883		0.0828	0.0828	0.0000	290.7653	290.7653	0.0725	0.0000	292.5784
Total	**0.1979**	**1.8562**	**1.9045**	**3.3700e-003**		**0.0883**	**0.0883**		**0.0828**	**0.0828**	**0.0000**	**290.7653**	**290.7653**	**0.0725**	**0.0000**	**292.5784**

3.13 Phase 1-E (Electric Cranes Only) - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0173	0.6736	0.2482	1.9000e-003	0.0489	9.7000e-004	0.0499	0.0141	9.3000e-004	0.0151	0.0000	196.8797	196.8797	0.0262	0.0000	197.5339
Worker	0.0778	0.0456	0.5536	2.2700e-003	0.2418	1.7800e-003	0.2436	0.0643	1.6400e-003	0.0660	0.0000	205.1081	205.1081	3.7300e-003	0.0000	205.2012
Total	**0.0950**	**0.7192**	**0.8018**	**4.1700e-003**	**0.2907**	**2.7500e-003**	**0.2935**	**0.0785**	**2.5700e-003**	**0.0810**	**0.0000**	**401.9878**	**401.9878**	**0.0299**	**0.0000**	**402.7352**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1736	1.5931	1.7780	3.3700e-003		0.0773	0.0773		0.0727	0.0727	0.0000	255.8106	255.8106	0.0612	0.0000	257.3411
Total	**0.1736**	**1.5931**	**1.7780**	**3.3700e-003**		**0.0773**	**0.0773**		**0.0727**	**0.0727**	**0.0000**	**255.8106**	**255.8106**	**0.0612**	**0.0000**	**257.3411**

3.13 Phase 1-E (Electric Cranes Only) - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0173	0.6736	0.2482	1.9000e-003	0.0489	9.7000e-004	0.0499	0.0141	9.3000e-004	0.0151	0.0000	196.8797	196.8797	0.0262	0.0000	197.5339
Worker	0.0778	0.0456	0.5536	2.2700e-003	0.2418	1.7800e-003	0.2436	0.0643	1.6400e-003	0.0660	0.0000	205.1081	205.1081	3.7300e-003	0.0000	205.2012
Total	**0.0950**	**0.7192**	**0.8018**	**4.1700e-003**	**0.2907**	**2.7500e-003**	**0.2935**	**0.0785**	**2.5700e-003**	**0.0810**	**0.0000**	**401.9878**	**401.9878**	**0.0299**	**0.0000**	**402.7352**

3.14 Phase 1-TH Architectural Coatings1 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1830					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5100e-003	0.0380	0.0489	8.0000e-005		2.2000e-003	2.2000e-003		2.2000e-003	2.2000e-003	0.0000	6.8792	6.8792	4.5000e-004	0.0000	6.8904
Total	**0.1885**	**0.0380**	**0.0489**	**8.0000e-005**		**2.2000e-003**	**2.2000e-003**		**2.2000e-003**	**2.2000e-003**	**0.0000**	**6.8792**	**6.8792**	**4.5000e-004**	**0.0000**	**6.8904**

3.14 Phase 1-TH Architectural Coatings1 - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.4200e-003	5.7600e-003	0.0680	2.7000e-004	0.0277	2.1000e-004	0.0279	7.3800e-003	1.9000e-004	7.5700e-003	0.0000	24.4747	24.4747	4.7000e-004	0.0000	24.4865
Total	**9.4200e-003**	**5.7600e-003**	**0.0680**	**2.7000e-004**	**0.0277**	**2.1000e-004**	**0.0279**	**7.3800e-003**	**1.9000e-004**	**7.5700e-003**	**0.0000**	**24.4747**	**24.4747**	**4.7000e-004**	**0.0000**	**24.4865**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1830					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5100e-003	0.0380	0.0489	8.0000e-005		2.2000e-003	2.2000e-003		2.2000e-003	2.2000e-003	0.0000	6.8792	6.8792	4.5000e-004	0.0000	6.8904
Total	**0.1885**	**0.0380**	**0.0489**	**8.0000e-005**		**2.2000e-003**	**2.2000e-003**		**2.2000e-003**	**2.2000e-003**	**0.0000**	**6.8792**	**6.8792**	**4.5000e-004**	**0.0000**	**6.8904**

3.14 Phase 1-TH Architectural Coatings1 - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.4200e-003	5.7600e-003	0.0680	2.7000e-004	0.0277	2.1000e-004	0.0279	7.3800e-003	1.9000e-004	7.5700e-003	0.0000	24.4747	24.4747	4.7000e-004	0.0000	24.4865
Total	**9.4200e-003**	**5.7600e-003**	**0.0680**	**2.7000e-004**	**0.0277**	**2.1000e-004**	**0.0279**	**7.3800e-003**	**1.9000e-004**	**7.5700e-003**	**0.0000**	**24.4747**	**24.4747**	**4.7000e-004**	**0.0000**	**24.4865**

3.14 Phase 1-TH Architectural Coatings1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2393					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7500e-003	0.0459	0.0638	1.0000e-004		2.5000e-003	2.5000e-003		2.5000e-003	2.5000e-003	0.0000	8.9959	8.9959	5.4000e-004	0.0000	9.0094
Total	**0.2461**	**0.0459**	**0.0638**	**1.0000e-004**		**2.5000e-003**	**2.5000e-003**		**2.5000e-003**	**2.5000e-003**	**0.0000**	**8.9959**	**8.9959**	**5.4000e-004**	**0.0000**	**9.0094**

3.14 Phase 1-TH Architectural Coatings1 - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0117	6.8300e-003	0.0831	3.4000e-004	0.0363	2.7000e-004	0.0365	9.6500e-003	2.5000e-004	9.8900e-003	0.0000	30.7692	30.7692	5.6000e-004	0.0000	30.7832
Total	**0.0117**	**6.8300e-003**	**0.0831**	**3.4000e-004**	**0.0363**	**2.7000e-004**	**0.0365**	**9.6500e-003**	**2.5000e-004**	**9.8900e-003**	**0.0000**	**30.7692**	**30.7692**	**5.6000e-004**	**0.0000**	**30.7832**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2393					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7500e-003	0.0459	0.0638	1.0000e-004		2.5000e-003	2.5000e-003		2.5000e-003	2.5000e-003	0.0000	8.9959	8.9959	5.4000e-004	0.0000	9.0094
Total	**0.2461**	**0.0459**	**0.0638**	**1.0000e-004**		**2.5000e-003**	**2.5000e-003**		**2.5000e-003**	**2.5000e-003**	**0.0000**	**8.9959**	**8.9959**	**5.4000e-004**	**0.0000**	**9.0094**

3.14 Phase 1-TH Architectural Coatings1 - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0117	6.8300e-003	0.0831	3.4000e-004	0.0363	2.7000e-004	0.0365	9.6500e-003	2.5000e-004	9.8900e-003	0.0000	30.7692	30.7692	5.6000e-004	0.0000	30.7832
Total	**0.0117**	**6.8300e-003**	**0.0831**	**3.4000e-004**	**0.0363**	**2.7000e-004**	**0.0365**	**9.6500e-003**	**2.5000e-004**	**9.8900e-003**	**0.0000**	**30.7692**	**30.7692**	**5.6000e-004**	**0.0000**	**30.7832**

3.15 Phase 1-TH (HD Equipment Mix2) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0772	0.6724	0.6732	1.5700e-003		0.0303	0.0303		0.0285	0.0285	0.0000	135.4330	135.4330	0.0361	0.0000	136.3364
Total	**0.0772**	**0.6724**	**0.6732**	**1.5700e-003**		**0.0303**	**0.0303**		**0.0285**	**0.0285**	**0.0000**	**135.4330**	**135.4330**	**0.0361**	**0.0000**	**136.3364**

3.15 Phase 1-TH (HD Equipment Mix2) - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1100e-003	0.1215	0.0448	3.4000e-004	8.8200e-003	1.7000e-004	9.0000e-003	2.5500e-003	1.7000e-004	2.7200e-003	0.0000	35.5023	35.5023	4.7200e-003	0.0000	35.6202
Worker	0.0148	8.6800e-003	0.1055	4.3000e-004	0.0461	3.4000e-004	0.0464	0.0123	3.1000e-004	0.0126	0.0000	39.0950	39.0950	7.1000e-004	0.0000	39.1128
Total	**0.0179**	**0.1302**	**0.1503**	**7.7000e-004**	**0.0549**	**5.1000e-004**	**0.0554**	**0.0148**	**4.8000e-004**	**0.0153**	**0.0000**	**74.5973**	**74.5973**	**5.4300e-003**	**0.0000**	**74.7330**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0704	0.7376	0.7876	1.5700e-003		0.0328	0.0328		0.0315	0.0315	0.0000	125.8514	125.8514	0.0330	0.0000	126.6774
Total	**0.0704**	**0.7376**	**0.7876**	**1.5700e-003**		**0.0328**	**0.0328**		**0.0315**	**0.0315**	**0.0000**	**125.8514**	**125.8514**	**0.0330**	**0.0000**	**126.6774**

3.15 Phase 1-TH (HD Equipment Mix2) - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1100e-003	0.1215	0.0448	3.4000e-004	8.8200e-003	1.7000e-004	9.0000e-003	2.5500e-003	1.7000e-004	2.7200e-003	0.0000	35.5023	35.5023	4.7200e-003	0.0000	35.6202
Worker	0.0148	8.6800e-003	0.1055	4.3000e-004	0.0461	3.4000e-004	0.0464	0.0123	3.1000e-004	0.0126	0.0000	39.0950	39.0950	7.1000e-004	0.0000	39.1128
Total	**0.0179**	**0.1302**	**0.1503**	**7.7000e-004**	**0.0549**	**5.1000e-004**	**0.0554**	**0.0148**	**4.8000e-004**	**0.0153**	**0.0000**	**74.5973**	**74.5973**	**5.4300e-003**	**0.0000**	**74.7330**

3.16 Phase 1-E Architectural Coatings - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3868					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0309	0.2098	0.2916	4.8000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	41.1046	41.1046	2.4600e-003	0.0000	41.1661
Total	**1.4176**	**0.2098**	**0.2916**	**4.8000e-004**		**0.0114**	**0.0114**		**0.0114**	**0.0114**	**0.0000**	**41.1046**	**41.1046**	**2.4600e-003**	**0.0000**	**41.1661**

3.16 Phase 1-E Architectural Coatings - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0121	0.4718	0.1738	1.3300e-003	0.0343	6.8000e-004	0.0350	9.9100e-003	6.5000e-004	0.0106	0.0000	137.9065	137.9065	0.0183	0.0000	138.3648
Worker	0.0545	0.0319	0.3878	1.5900e-003	0.1694	1.2500e-003	0.1706	0.0451	1.1500e-003	0.0462	0.0000	143.6702	143.6702	2.6100e-003	0.0000	143.7354
Total	**0.0666**	**0.5038**	**0.5616**	**2.9200e-003**	**0.2036**	**1.9300e-003**	**0.2056**	**0.0550**	**1.8000e-003**	**0.0568**	**0.0000**	**281.5767**	**281.5767**	**0.0209**	**0.0000**	**282.1002**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3868					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0309	0.2098	0.2916	4.8000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	41.1046	41.1046	2.4600e-003	0.0000	41.1661
Total	**1.4176**	**0.2098**	**0.2916**	**4.8000e-004**		**0.0114**	**0.0114**		**0.0114**	**0.0114**	**0.0000**	**41.1046**	**41.1046**	**2.4600e-003**	**0.0000**	**41.1661**

3.16 Phase 1-E Architectural Coatings - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0121	0.4718	0.1738	1.3300e-003	0.0343	6.8000e-004	0.0350	9.9100e-003	6.5000e-004	0.0106	0.0000	137.9065	137.9065	0.0183	0.0000	138.3648
Worker	0.0545	0.0319	0.3878	1.5900e-003	0.1694	1.2500e-003	0.1706	0.0451	1.1500e-003	0.0462	0.0000	143.6702	143.6702	2.6100e-003	0.0000	143.7354
Total	**0.0666**	**0.5038**	**0.5616**	**2.9200e-003**	**0.2036**	**1.9300e-003**	**0.2056**	**0.0550**	**1.8000e-003**	**0.0568**	**0.0000**	**281.5767**	**281.5767**	**0.0209**	**0.0000**	**282.1002**

3.17 Phase 1-TH (No HD Equipment1) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0869	0.8021	0.9223	1.5300e-003		0.0385	0.0385		0.0362	0.0362	0.0000	131.3327	131.3327	0.0317	0.0000	132.1244
Total	**0.0869**	**0.8021**	**0.9223**	**1.5300e-003**		**0.0385**	**0.0385**		**0.0362**	**0.0362**	**0.0000**	**131.3327**	**131.3327**	**0.0317**	**0.0000**	**132.1244**

3.17 Phase 1-TH (No HD Equipment1) - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1400e-003	0.1226	0.0452	3.5000e-004	8.9100e-003	1.8000e-004	9.0800e-003	2.5700e-003	1.7000e-004	2.7400e-003	0.0000	35.8310	35.8310	4.7600e-003	0.0000	35.9500
Worker	0.0150	8.7600e-003	0.1065	4.4000e-004	0.0465	3.4000e-004	0.0469	0.0124	3.2000e-004	0.0127	0.0000	39.4570	39.4570	7.2000e-004	0.0000	39.4749
Total	**0.0181**	**0.1314**	**0.1517**	**7.9000e-004**	**0.0554**	**5.2000e-004**	**0.0559**	**0.0149**	**4.9000e-004**	**0.0154**	**0.0000**	**75.2880**	**75.2880**	**5.4800e-003**	**0.0000**	**75.4250**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0790	0.7112	0.8503	1.5300e-003		0.0351	0.0351		0.0331	0.0331	0.0000	116.6633	116.6633	0.0269	0.0000	117.3365
Total	**0.0790**	**0.7112**	**0.8503**	**1.5300e-003**		**0.0351**	**0.0351**		**0.0331**	**0.0331**	**0.0000**	**116.6633**	**116.6633**	**0.0269**	**0.0000**	**117.3365**

3.17 Phase 1-TH (No HD Equipment1) - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1400e-003	0.1226	0.0452	3.5000e-004	8.9100e-003	1.8000e-004	9.0800e-003	2.5700e-003	1.7000e-004	2.7400e-003	0.0000	35.8310	35.8310	4.7600e-003	0.0000	35.9500
Worker	0.0150	8.7600e-003	0.1065	4.4000e-004	0.0465	3.4000e-004	0.0469	0.0124	3.2000e-004	0.0127	0.0000	39.4570	39.4570	7.2000e-004	0.0000	39.4749
Total	**0.0181**	**0.1314**	**0.1517**	**7.9000e-004**	**0.0554**	**5.2000e-004**	**0.0559**	**0.0149**	**4.9000e-004**	**0.0154**	**0.0000**	**75.2880**	**75.2880**	**5.4800e-003**	**0.0000**	**75.4250**

3.18 Phase 1-TH (Gradealls Only) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0193	0.1876	0.2303	3.7000e-004		8.5200e-003	8.5200e-003		7.9900e-003	7.9900e-003	0.0000	32.2474	32.2474	8.3500e-003	0.0000	32.4561
Total	**0.0193**	**0.1876**	**0.2303**	**3.7000e-004**		**8.5200e-003**	**8.5200e-003**		**7.9900e-003**	**7.9900e-003**	**0.0000**	**32.2474**	**32.2474**	**8.3500e-003**	**0.0000**	**32.4561**

3.18 Phase 1-TH (Gradealls Only) - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1000e-004	0.0236	8.7000e-003	7.0000e-005	1.7200e-003	3.0000e-005	1.7500e-003	5.0000e-004	3.0000e-005	5.3000e-004	0.0000	6.9032	6.9032	9.2000e-004	0.0000	6.9262
Worker	2.8800e-003	1.6900e-003	0.0205	8.0000e-005	8.9600e-003	7.0000e-005	9.0300e-003	2.3800e-003	6.0000e-005	2.4400e-003	0.0000	7.6018	7.6018	1.4000e-004	0.0000	7.6053
Total	**3.4900e-003**	**0.0253**	**0.0292**	**1.5000e-004**	**0.0107**	**1.0000e-004**	**0.0108**	**2.8800e-003**	**9.0000e-005**	**2.9700e-003**	**0.0000**	**14.5050**	**14.5050**	**1.0600e-003**	**0.0000**	**14.5314**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0180	0.1736	0.2236	3.7000e-004		7.9400e-003	7.9400e-003		7.4500e-003	7.4500e-003	0.0000	30.3843	30.3843	7.7500e-003	0.0000	30.5779
Total	**0.0180**	**0.1736**	**0.2236**	**3.7000e-004**		**7.9400e-003**	**7.9400e-003**		**7.4500e-003**	**7.4500e-003**	**0.0000**	**30.3843**	**30.3843**	**7.7500e-003**	**0.0000**	**30.5779**

3.18 Phase 1-TH (Gradealls Only) - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1000e-004	0.0236	8.7000e-003	7.0000e-005	1.7200e-003	3.0000e-005	1.7500e-003	5.0000e-004	3.0000e-005	5.3000e-004	0.0000	6.9032	6.9032	9.2000e-004	0.0000	6.9262
Worker	2.8800e-003	1.6900e-003	0.0205	8.0000e-005	8.9600e-003	7.0000e-005	9.0300e-003	2.3800e-003	6.0000e-005	2.4400e-003	0.0000	7.6018	7.6018	1.4000e-004	0.0000	7.6053
Total	**3.4900e-003**	**0.0253**	**0.0292**	**1.5000e-004**	**0.0107**	**1.0000e-004**	**0.0108**	**2.8800e-003**	**9.0000e-005**	**2.9700e-003**	**0.0000**	**14.5050**	**14.5050**	**1.0600e-003**	**0.0000**	**14.5314**

3.18 Phase 1-TH (Gradealls Only) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0949	0.9241	1.2023	1.9500e-003		0.0394	0.0394		0.0369	0.0369	0.0000	168.9309	168.9309	0.0436	0.0000	170.0196
Total	**0.0949**	**0.9241**	**1.2023**	**1.9500e-003**		**0.0394**	**0.0394**		**0.0369**	**0.0369**	**0.0000**	**168.9309**	**168.9309**	**0.0436**	**0.0000**	**170.0196**

3.18 Phase 1-TH (Gradealls Only) - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0300e-003	0.1207	0.0451	3.4000e-004	8.9900e-003	1.7000e-004	9.1600e-003	2.6000e-003	1.6000e-004	2.7600e-003	0.0000	35.8243	35.8243	4.8000e-003	0.0000	35.9442
Worker	0.0144	8.0500e-003	0.1007	4.2000e-004	0.0469	3.4000e-004	0.0473	0.0125	3.1000e-004	0.0128	0.0000	38.2337	38.2337	6.6000e-004	0.0000	38.2502
Total	**0.0174**	**0.1287**	**0.1458**	**7.6000e-004**	**0.0559**	**5.1000e-004**	**0.0564**	**0.0151**	**4.7000e-004**	**0.0156**	**0.0000**	**74.0580**	**74.0580**	**5.4600e-003**	**0.0000**	**74.1944**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0886	0.8566	1.1681	1.9500e-003		0.0366	0.0366		0.0343	0.0343	0.0000	159.1721	159.1721	0.0404	0.0000	160.1819
Total	**0.0886**	**0.8566**	**1.1681**	**1.9500e-003**		**0.0366**	**0.0366**		**0.0343**	**0.0343**	**0.0000**	**159.1721**	**159.1721**	**0.0404**	**0.0000**	**160.1819**

3.18 Phase 1-TH (Gradealls Only) - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0300e-003	0.1207	0.0451	3.4000e-004	8.9900e-003	1.7000e-004	9.1600e-003	2.6000e-003	1.6000e-004	2.7600e-003	0.0000	35.8243	35.8243	4.8000e-003	0.0000	35.9442
Worker	0.0144	8.0500e-003	0.1007	4.2000e-004	0.0469	3.4000e-004	0.0473	0.0125	3.1000e-004	0.0128	0.0000	38.2337	38.2337	6.6000e-004	0.0000	38.2502
Total	**0.0174**	**0.1287**	**0.1458**	**7.6000e-004**	**0.0559**	**5.1000e-004**	**0.0564**	**0.0151**	**4.7000e-004**	**0.0156**	**0.0000**	**74.0580**	**74.0580**	**5.4600e-003**	**0.0000**	**74.1944**

3.19 Phase 1-F Architectural Coatings - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1474					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0193	0.1302	0.1934	3.2000e-004		6.5100e-003	6.5100e-003		6.5100e-003	6.5100e-003	0.0000	27.2777	27.2777	1.5400e-003	0.0000	27.3161
Total	**1.1667**	**0.1302**	**0.1934**	**3.2000e-004**		**6.5100e-003**	**6.5100e-003**		**6.5100e-003**	**6.5100e-003**	**0.0000**	**27.2777**	**27.2777**	**1.5400e-003**	**0.0000**	**27.3161**

3.19 Phase 1-F Architectural Coatings - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0288	0.0161	0.2017	8.5000e-004	0.0940	6.8000e-004	0.0947	0.0250	6.3000e-004	0.0257	0.0000	76.5962	76.5962	1.3200e-003	0.0000	76.6291
Total	**0.0288**	**0.0161**	**0.2017**	**8.5000e-004**	**0.0940**	**6.8000e-004**	**0.0947**	**0.0250**	**6.3000e-004**	**0.0257**	**0.0000**	**76.5962**	**76.5962**	**1.3200e-003**	**0.0000**	**76.6291**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1474					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0193	0.1302	0.1934	3.2000e-004		6.5100e-003	6.5100e-003		6.5100e-003	6.5100e-003	0.0000	27.2777	27.2777	1.5400e-003	0.0000	27.3161
Total	**1.1667**	**0.1302**	**0.1934**	**3.2000e-004**		**6.5100e-003**	**6.5100e-003**		**6.5100e-003**	**6.5100e-003**	**0.0000**	**27.2777**	**27.2777**	**1.5400e-003**	**0.0000**	**27.3161**

3.19 Phase 1-F Architectural Coatings - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0288	0.0161	0.2017	8.5000e-004	0.0940	6.8000e-004	0.0947	0.0250	6.3000e-004	0.0257	0.0000	76.5962	76.5962	1.3200e-003	0.0000	76.6291
Total	**0.0288**	**0.0161**	**0.2017**	**8.5000e-004**	**0.0940**	**6.8000e-004**	**0.0947**	**0.0250**	**6.3000e-004**	**0.0257**	**0.0000**	**76.5962**	**76.5962**	**1.3200e-003**	**0.0000**	**76.6291**

3.20 Phase 1-C,D,I Architectural Coatings - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.0520					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0690	0.4655	0.6913	1.1300e-003		0.0233	0.0233		0.0233	0.0233	0.0000	97.5070	97.5070	5.4900e-003	0.0000	97.6443
Total	**3.1210**	**0.4655**	**0.6913**	**1.1300e-003**		**0.0233**	**0.0233**		**0.0233**	**0.0233**	**0.0000**	**97.5070**	**97.5070**	**5.4900e-003**	**0.0000**	**97.6443**

3.20 Phase 1-C,D,I Architectural Coatings - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0812	0.0455	0.5695	2.3900e-003	0.2654	1.9300e-003	0.2674	0.0706	1.7800e-003	0.0724	0.0000	216.2201	216.2201	3.7200e-003	0.0000	216.3130
Total	**0.0812**	**0.0455**	**0.5695**	**2.3900e-003**	**0.2654**	**1.9300e-003**	**0.2674**	**0.0706**	**1.7800e-003**	**0.0724**	**0.0000**	**216.2201**	**216.2201**	**3.7200e-003**	**0.0000**	**216.3130**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.0520					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0690	0.4655	0.6913	1.1300e-003		0.0233	0.0233		0.0233	0.0233	0.0000	97.5069	97.5069	5.4900e-003	0.0000	97.6442
Total	**3.1210**	**0.4655**	**0.6913**	**1.1300e-003**		**0.0233**	**0.0233**		**0.0233**	**0.0233**	**0.0000**	**97.5069**	**97.5069**	**5.4900e-003**	**0.0000**	**97.6442**

3.20 Phase 1-C,D,I Architectural Coatings - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0812	0.0455	0.5695	2.3900e-003	0.2654	1.9300e-003	0.2674	0.0706	1.7800e-003	0.0724	0.0000	216.2201	216.2201	3.7200e-003	0.0000	216.3130
Total	**0.0812**	**0.0455**	**0.5695**	**2.3900e-003**	**0.2654**	**1.9300e-003**	**0.2674**	**0.0706**	**1.7800e-003**	**0.0724**	**0.0000**	**216.2201**	**216.2201**	**3.7200e-003**	**0.0000**	**216.3130**

3.21 Phase 1-TH Architectural Coatings2 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4224					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.0768	0.1141	1.9000e-004		3.8400e-003	3.8400e-003		3.8400e-003	3.8400e-003	0.0000	16.0868	16.0868	9.1000e-004	0.0000	16.1095
Total	**0.4338**	**0.0768**	**0.1141**	**1.9000e-004**		**3.8400e-003**	**3.8400e-003**		**3.8400e-003**	**3.8400e-003**	**0.0000**	**16.0868**	**16.0868**	**9.1000e-004**	**0.0000**	**16.1095**

3.21 Phase 1-TH Architectural Coatings2 - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0198	0.0111	0.1392	5.8000e-004	0.0649	4.7000e-004	0.0653	0.0173	4.3000e-004	0.0177	0.0000	52.8321	52.8321	9.1000e-004	0.0000	52.8548
Total	**0.0198**	**0.0111**	**0.1392**	**5.8000e-004**	**0.0649**	**4.7000e-004**	**0.0653**	**0.0173**	**4.3000e-004**	**0.0177**	**0.0000**	**52.8321**	**52.8321**	**9.1000e-004**	**0.0000**	**52.8548**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4224					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.0768	0.1141	1.9000e-004		3.8400e-003	3.8400e-003		3.8400e-003	3.8400e-003	0.0000	16.0868	16.0868	9.1000e-004	0.0000	16.1095
Total	**0.4338**	**0.0768**	**0.1141**	**1.9000e-004**		**3.8400e-003**	**3.8400e-003**		**3.8400e-003**	**3.8400e-003**	**0.0000**	**16.0868**	**16.0868**	**9.1000e-004**	**0.0000**	**16.1095**

3.21 Phase 1-TH Architectural Coatings2 - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0198	0.0111	0.1392	5.8000e-004	0.0649	4.7000e-004	0.0653	0.0173	4.3000e-004	0.0177	0.0000	52.8321	52.8321	9.1000e-004	0.0000	52.8548
Total	**0.0198**	**0.0111**	**0.1392**	**5.8000e-004**	**0.0649**	**4.7000e-004**	**0.0653**	**0.0173**	**4.3000e-004**	**0.0177**	**0.0000**	**52.8321**	**52.8321**	**9.1000e-004**	**0.0000**	**52.8548**

3.22 Phase 1-TH (Excavator/BobCats Only) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0173	0.1544	0.1891	3.7000e-004		6.8100e-003	6.8100e-003		6.3900e-003	6.3900e-003	0.0000	31.9095	31.9095	8.3000e-003	0.0000	32.1171
Total	**0.0173**	**0.1544**	**0.1891**	**3.7000e-004**		**6.8100e-003**	**6.8100e-003**		**6.3900e-003**	**6.3900e-003**	**0.0000**	**31.9095**	**31.9095**	**8.3000e-003**	**0.0000**	**32.1171**

3.22 Phase 1-TH (Excavator/BobCats Only) - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.5000e-004	0.0219	8.2000e-003	6.0000e-005	1.6300e-003	3.0000e-005	1.6700e-003	4.7000e-004	3.0000e-005	5.0000e-004	0.0000	6.5135	6.5135	8.7000e-004	0.0000	6.5353
Worker	2.6100e-003	1.4600e-003	0.0183	8.0000e-005	8.5300e-003	6.0000e-005	8.6000e-003	2.2700e-003	6.0000e-005	2.3300e-003	0.0000	6.9516	6.9516	1.2000e-004	0.0000	6.9546
Total	**3.1600e-003**	**0.0234**	**0.0265**	**1.4000e-004**	**0.0102**	**9.0000e-005**	**0.0103**	**2.7400e-003**	**9.0000e-005**	**2.8300e-003**	**0.0000**	**13.4651**	**13.4651**	**9.9000e-004**	**0.0000**	**13.4899**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0161	0.1687	0.2104	3.7000e-004		7.3600e-003	7.3600e-003		7.0200e-003	7.0200e-003	0.0000	30.1351	30.1351	7.7300e-003	0.0000	30.3284
Total	**0.0161**	**0.1687**	**0.2104**	**3.7000e-004**		**7.3600e-003**	**7.3600e-003**		**7.0200e-003**	**7.0200e-003**	**0.0000**	**30.1351**	**30.1351**	**7.7300e-003**	**0.0000**	**30.3284**

3.22 Phase 1-TH (Excavator/BobCats Only) - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.5000e-004	0.0219	8.2000e-003	6.0000e-005	1.6300e-003	3.0000e-005	1.6700e-003	4.7000e-004	3.0000e-005	5.0000e-004	0.0000	6.5135	6.5135	8.7000e-004	0.0000	6.5353
Worker	2.6100e-003	1.4600e-003	0.0183	8.0000e-005	8.5300e-003	6.0000e-005	8.6000e-003	2.2700e-003	6.0000e-005	2.3300e-003	0.0000	6.9516	6.9516	1.2000e-004	0.0000	6.9546
Total	**3.1600e-003**	**0.0234**	**0.0265**	**1.4000e-004**	**0.0102**	**9.0000e-005**	**0.0103**	**2.7400e-003**	**9.0000e-005**	**2.8300e-003**	**0.0000**	**13.4651**	**13.4651**	**9.9000e-004**	**0.0000**	**13.4899**

3.23 Phase 1-TH (No HD Equipment2) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0336	0.3099	0.3790	6.3000e-004		0.0139	0.0139		0.0131	0.0131	0.0000	54.2299	54.2299	0.0130	0.0000	54.5550
Total	**0.0336**	**0.3099**	**0.3790**	**6.3000e-004**		**0.0139**	**0.0139**		**0.0131**	**0.0131**	**0.0000**	**54.2299**	**54.2299**	**0.0130**	**0.0000**	**54.5550**

3.23 Phase 1-TH (No HD Equipment2) - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2400e-003	0.0494	0.0185	1.4000e-004	3.6800e-003	7.0000e-005	3.7500e-003	1.0600e-003	7.0000e-005	1.1300e-003	0.0000	14.6554	14.6554	1.9600e-003	0.0000	14.7045
Worker	5.8700e-003	3.2900e-003	0.0412	1.7000e-004	0.0192	1.4000e-004	0.0193	5.1100e-003	1.3000e-004	5.2400e-003	0.0000	15.6411	15.6411	2.7000e-004	0.0000	15.6478
Total	**7.1100e-003**	**0.0527**	**0.0597**	**3.1000e-004**	**0.0229**	**2.1000e-004**	**0.0231**	**6.1700e-003**	**2.0000e-004**	**6.3700e-003**	**0.0000**	**30.2965**	**30.2965**	**2.2300e-003**	**0.0000**	**30.3523**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0305	0.2749	0.3498	6.3000e-004		0.0127	0.0127		0.0119	0.0119	0.0000	48.1738	48.1738	0.0110	0.0000	48.4499
Total	**0.0305**	**0.2749**	**0.3498**	**6.3000e-004**		**0.0127**	**0.0127**		**0.0119**	**0.0119**	**0.0000**	**48.1738**	**48.1738**	**0.0110**	**0.0000**	**48.4499**

3.23 Phase 1-TH (No HD Equipment2) - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2400e-003	0.0494	0.0185	1.4000e-004	3.6800e-003	7.0000e-005	3.7500e-003	1.0600e-003	7.0000e-005	1.1300e-003	0.0000	14.6554	14.6554	1.9600e-003	0.0000	14.7045
Worker	5.8700e-003	3.2900e-003	0.0412	1.7000e-004	0.0192	1.4000e-004	0.0193	5.1100e-003	1.3000e-004	5.2400e-003	0.0000	15.6411	15.6411	2.7000e-004	0.0000	15.6478
Total	**7.1100e-003**	**0.0527**	**0.0597**	**3.1000e-004**	**0.0229**	**2.1000e-004**	**0.0231**	**6.1700e-003**	**2.0000e-004**	**6.3700e-003**	**0.0000**	**30.2965**	**30.2965**	**2.2300e-003**	**0.0000**	**30.3523**

3.24 Phase 2-Material Off-Haul (No HD Equipment) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0354	0.3283	0.4056	6.7000e-004		0.0146	0.0146		0.0138	0.0138	0.0000	57.9514	57.9514	0.0140	0.0000	58.3015
Total	**0.0354**	**0.3283**	**0.4056**	**6.7000e-004**		**0.0146**	**0.0146**		**0.0138**	**0.0138**	**0.0000**	**57.9514**	**57.9514**	**0.0140**	**0.0000**	**58.3015**

3.24 Phase 2-Material Off-Haul (No HD Equipment) - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3300e-003	0.1711	0.0910	6.1000e-004	0.0138	3.5000e-004	0.0142	3.8000e-003	3.4000e-004	4.1300e-003	0.0000	67.3077	67.3077	0.0134	0.0000	67.6424
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.3300e-003**	**0.1711**	**0.0910**	**6.1000e-004**	**0.0138**	**3.5000e-004**	**0.0142**	**3.8000e-003**	**3.4000e-004**	**4.1300e-003**	**0.0000**	**67.3077**	**67.3077**	**0.0134**	**0.0000**	**67.6424**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0319	0.2871	0.3653	6.7000e-004		0.0132	0.0132		0.0125	0.0125	0.0000	50.3149	50.3149	0.0115	0.0000	50.6033
Total	**0.0319**	**0.2871**	**0.3653**	**6.7000e-004**		**0.0132**	**0.0132**		**0.0125**	**0.0125**	**0.0000**	**50.3149**	**50.3149**	**0.0115**	**0.0000**	**50.6033**

3.24 Phase 2-Material Off-Haul (No HD Equipment) - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3300e-003	0.1711	0.0910	6.1000e-004	0.0138	3.5000e-004	0.0142	3.8000e-003	3.4000e-004	4.1300e-003	0.0000	67.3077	67.3077	0.0134	0.0000	67.6424
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.3300e-003**	**0.1711**	**0.0910**	**6.1000e-004**	**0.0138**	**3.5000e-004**	**0.0142**	**3.8000e-003**	**3.4000e-004**	**4.1300e-003**	**0.0000**	**67.3077**	**67.3077**	**0.0134**	**0.0000**	**67.6424**

3.25 Phase 2-G,A,H (HD Equipment Mix) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1563	1.2930	1.6524	3.6100e-003		0.0554	0.0554		0.0535	0.0535	0.0000	312.2481	312.2481	0.0604	0.0000	313.7584
Total	**0.1563**	**1.2930**	**1.6524**	**3.6100e-003**		**0.0554**	**0.0554**		**0.0535**	**0.0535**	**0.0000**	**312.2481**	**312.2481**	**0.0604**	**0.0000**	**313.7584**

3.25 Phase 2-G,A,H (HD Equipment Mix) - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0140	0.5574	0.2084	1.5900e-003	0.0415	7.9000e-004	0.0423	0.0120	7.5000e-004	0.0128	0.0000	165.4690	165.4690	0.0222	0.0000	166.0232
Worker	0.0628	0.0352	0.4410	1.8500e-003	0.2056	1.5000e-003	0.2071	0.0547	1.3800e-003	0.0561	0.0000	167.4367	167.4367	2.8800e-003	0.0000	167.5087
Total	**0.0769**	**0.5927**	**0.6494**	**3.4400e-003**	**0.2471**	**2.2900e-003**	**0.2494**	**0.0667**	**2.1300e-003**	**0.0688**	**0.0000**	**332.9057**	**332.9057**	**0.0251**	**0.0000**	**333.5319**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1510	1.5352	1.9323	3.6100e-003		0.0650	0.0650		0.0637	0.0637	0.0000	304.5295	304.5295	0.0579	0.0000	305.9775
Total	**0.1510**	**1.5352**	**1.9323**	**3.6100e-003**		**0.0650**	**0.0650**		**0.0637**	**0.0637**	**0.0000**	**304.5295**	**304.5295**	**0.0579**	**0.0000**	**305.9775**

3.25 Phase 2-G,A,H (HD Equipment Mix) - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0140	0.5574	0.2084	1.5900e-003	0.0415	7.9000e-004	0.0423	0.0120	7.5000e-004	0.0128	0.0000	165.4690	165.4690	0.0222	0.0000	166.0232
Worker	0.0628	0.0352	0.4410	1.8500e-003	0.2056	1.5000e-003	0.2071	0.0547	1.3800e-003	0.0561	0.0000	167.4367	167.4367	2.8800e-003	0.0000	167.5087
Total	**0.0769**	**0.5927**	**0.6494**	**3.4400e-003**	**0.2471**	**2.2900e-003**	**0.2494**	**0.0667**	**2.1300e-003**	**0.0688**	**0.0000**	**332.9057**	**332.9057**	**0.0251**	**0.0000**	**333.5319**

3.25 Phase 2-G,A,H (HD Equipment Mix) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1080	0.8788	1.2118	2.6600e-003		0.0355	0.0355		0.0343	0.0343	0.0000	229.7932	229.7932	0.0441	0.0000	230.8966
Total	**0.1080**	**0.8788**	**1.2118**	**2.6600e-003**		**0.0355**	**0.0355**		**0.0343**	**0.0343**	**0.0000**	**229.7932**	**229.7932**	**0.0441**	**0.0000**	**230.8966**

3.25 Phase 2-G,A,H (HD Equipment Mix) - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.9400e-003	0.4001	0.1535	1.1600e-003	0.0305	5.5000e-004	0.0311	8.8300e-003	5.3000e-004	9.3600e-003	0.0000	120.6099	120.6099	0.0163	0.0000	121.0175
Worker	0.0442	0.0237	0.3031	1.3000e-003	0.1512	1.0900e-003	0.1523	0.0402	1.0000e-003	0.0412	0.0000	118.1337	118.1337	1.9300e-003	0.0000	118.1820
Total	**0.0541**	**0.4238**	**0.4566**	**2.4600e-003**	**0.1818**	**1.6400e-003**	**0.1834**	**0.0491**	**1.5300e-003**	**0.0506**	**0.0000**	**238.7436**	**238.7436**	**0.0182**	**0.0000**	**239.1996**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1052	1.0760	1.4186	2.6600e-003		0.0431	0.0431		0.0423	0.0423	0.0000	224.1150	224.1150	0.0423	0.0000	225.1724
Total	**0.1052**	**1.0760**	**1.4186**	**2.6600e-003**		**0.0431**	**0.0431**		**0.0423**	**0.0423**	**0.0000**	**224.1150**	**224.1150**	**0.0423**	**0.0000**	**225.1724**

3.25 Phase 2-G,A,H (HD Equipment Mix) - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.9400e-003	0.4001	0.1535	1.1600e-003	0.0305	5.5000e-004	0.0311	8.8300e-003	5.3000e-004	9.3600e-003	0.0000	120.6099	120.6099	0.0163	0.0000	121.0175
Worker	0.0442	0.0237	0.3031	1.3000e-003	0.1512	1.0900e-003	0.1523	0.0402	1.0000e-003	0.0412	0.0000	118.1337	118.1337	1.9300e-003	0.0000	118.1820
Total	**0.0541**	**0.4238**	**0.4566**	**2.4600e-003**	**0.1818**	**1.6400e-003**	**0.1834**	**0.0491**	**1.5300e-003**	**0.0506**	**0.0000**	**238.7436**	**238.7436**	**0.0182**	**0.0000**	**239.1996**

3.26 Phase 2-B (HD Equipment Mix) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1036	0.8625	1.0537	2.3300e-003		0.0371	0.0371		0.0355	0.0355	0.0000	201.3070	201.3070	0.0430	0.0000	202.3831
Total	**0.1036**	**0.8625**	**1.0537**	**2.3300e-003**		**0.0371**	**0.0371**		**0.0355**	**0.0355**	**0.0000**	**201.3070**	**201.3070**	**0.0430**	**0.0000**	**202.3831**

3.26 Phase 2-B (HD Equipment Mix) - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.9500e-003	0.2367	0.0885	6.8000e-004	0.0176	3.3000e-004	0.0180	5.0900e-003	3.2000e-004	5.4100e-003	0.0000	70.2677	70.2677	9.4100e-003	0.0000	70.5030
Worker	0.0267	0.0150	0.1873	7.9000e-004	0.0873	6.4000e-004	0.0879	0.0232	5.9000e-004	0.0238	0.0000	71.1186	71.1186	1.2200e-003	0.0000	71.1492
Total	**0.0326**	**0.2517**	**0.2758**	**1.4700e-003**	**0.1049**	**9.7000e-004**	**0.1059**	**0.0283**	**9.1000e-004**	**0.0292**	**0.0000**	**141.3863**	**141.3863**	**0.0106**	**0.0000**	**141.6522**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0984	1.0142	1.2397	2.3300e-003		0.0431	0.0431		0.0420	0.0420	0.0000	193.5886	193.5886	0.0406	0.0000	194.6022
Total	**0.0984**	**1.0142**	**1.2397**	**2.3300e-003**		**0.0431**	**0.0431**		**0.0420**	**0.0420**	**0.0000**	**193.5886**	**193.5886**	**0.0406**	**0.0000**	**194.6022**

3.26 Phase 2-B (HD Equipment Mix) - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.9500e-003	0.2367	0.0885	6.8000e-004	0.0176	3.3000e-004	0.0180	5.0900e-003	3.2000e-004	5.4100e-003	0.0000	70.2677	70.2677	9.4100e-003	0.0000	70.5030
Worker	0.0267	0.0150	0.1873	7.9000e-004	0.0873	6.4000e-004	0.0879	0.0232	5.9000e-004	0.0238	0.0000	71.1186	71.1186	1.2200e-003	0.0000	71.1492
Total	**0.0326**	**0.2517**	**0.2758**	**1.4700e-003**	**0.1049**	**9.7000e-004**	**0.1059**	**0.0283**	**9.1000e-004**	**0.0292**	**0.0000**	**141.3863**	**141.3863**	**0.0106**	**0.0000**	**141.6522**

3.26 Phase 2-B (HD Equipment Mix) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0716	0.5857	0.7721	1.7200e-003		0.0239	0.0239		0.0229	0.0229	0.0000	148.1494	148.1494	0.0315	0.0000	148.9365
Total	**0.0716**	**0.5857**	**0.7721**	**1.7200e-003**		**0.0239**	**0.0239**		**0.0229**	**0.0229**	**0.0000**	**148.1494**	**148.1494**	**0.0315**	**0.0000**	**148.9365**

3.26 Phase 2-B (HD Equipment Mix) - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.2200e-003	0.1699	0.0652	4.9000e-004	0.0130	2.4000e-004	0.0132	3.7500e-003	2.3000e-004	3.9700e-003	0.0000	51.2179	51.2179	6.9200e-003	0.0000	51.3910
Worker	0.0188	0.0101	0.1288	5.5000e-004	0.0642	4.6000e-004	0.0647	0.0171	4.3000e-004	0.0175	0.0000	50.1772	50.1772	8.2000e-004	0.0000	50.1977
Total	**0.0230**	**0.1800**	**0.1939**	**1.0400e-003**	**0.0772**	**7.0000e-004**	**0.0779**	**0.0208**	**6.6000e-004**	**0.0215**	**0.0000**	**101.3951**	**101.3951**	**7.7400e-003**	**0.0000**	**101.5887**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0686	0.7117	0.9097	1.7200e-003		0.0287	0.0287		0.0280	0.0280	0.0000	142.4713	142.4713	0.0297	0.0000	143.2125
Total	**0.0686**	**0.7117**	**0.9097**	**1.7200e-003**		**0.0287**	**0.0287**		**0.0280**	**0.0280**	**0.0000**	**142.4713**	**142.4713**	**0.0297**	**0.0000**	**143.2125**

3.26 Phase 2-B (HD Equipment Mix) - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.2200e-003	0.1699	0.0652	4.9000e-004	0.0130	2.4000e-004	0.0132	3.7500e-003	2.3000e-004	3.9700e-003	0.0000	51.2179	51.2179	6.9200e-003	0.0000	51.3910
Worker	0.0188	0.0101	0.1288	5.5000e-004	0.0642	4.6000e-004	0.0647	0.0171	4.3000e-004	0.0175	0.0000	50.1772	50.1772	8.2000e-004	0.0000	50.1977
Total	**0.0230**	**0.1800**	**0.1939**	**1.0400e-003**	**0.0772**	**7.0000e-004**	**0.0779**	**0.0208**	**6.6000e-004**	**0.0215**	**0.0000**	**101.3951**	**101.3951**	**7.7400e-003**	**0.0000**	**101.5887**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2222	2.1146	2.0701	4.2700e-003		0.0896	0.0896		0.0835	0.0835	0.0000	370.2711	370.2711	0.0996	0.0000	372.7604
Total	**0.2222**	**2.1146**	**2.0701**	**4.2700e-003**		**0.0896**	**0.0896**		**0.0835**	**0.0835**	**0.0000**	**370.2711**	**370.2711**	**0.0996**	**0.0000**	**372.7604**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0306	1.2314	0.4725	3.5600e-003	0.0940	1.7100e-003	0.0957	0.0272	1.6300e-003	0.0288	0.0000	371.2522	371.2522	0.0502	0.0000	372.5071
Worker	0.1359	0.0731	0.9331	4.0200e-003	0.4654	3.3600e-003	0.4688	0.1238	3.0900e-003	0.1269	0.0000	363.6303	363.6303	5.9500e-003	0.0000	363.7790
Total	**0.1665**	**1.3045**	**1.4056**	**7.5800e-003**	**0.5594**	**5.0700e-003**	**0.5645**	**0.1510**	**4.7200e-003**	**0.1557**	**0.0000**	**734.8825**	**734.8825**	**0.0562**	**0.0000**	**736.2861**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1764	1.6508	1.8160	4.2700e-003		0.0699	0.0699		0.0654	0.0654	0.0000	296.0612	296.0612	0.0756	0.0000	297.9504
Total	**0.1764**	**1.6508**	**1.8160**	**4.2700e-003**		**0.0699**	**0.0699**		**0.0654**	**0.0654**	**0.0000**	**296.0612**	**296.0612**	**0.0756**	**0.0000**	**297.9504**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0306	1.2314	0.4725	3.5600e-003	0.0940	1.7100e-003	0.0957	0.0272	1.6300e-003	0.0288	0.0000	371.2522	371.2522	0.0502	0.0000	372.5071
Worker	0.1359	0.0731	0.9331	4.0200e-003	0.4654	3.3600e-003	0.4688	0.1238	3.0900e-003	0.1269	0.0000	363.6303	363.6303	5.9500e-003	0.0000	363.7790
Total	**0.1665**	**1.3045**	**1.4056**	**7.5800e-003**	**0.5594**	**5.0700e-003**	**0.5645**	**0.1510**	**4.7200e-003**	**0.1557**	**0.0000**	**734.8825**	**734.8825**	**0.0562**	**0.0000**	**736.2861**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2944	2.8015	2.7427	5.6600e-003		0.1188	0.1188		0.1107	0.1107	0.0000	490.5623	490.5623	0.1319	0.0000	493.8602
Total	**0.2944**	**2.8015**	**2.7427**	**5.6600e-003**		**0.1188**	**0.1188**		**0.1107**	**0.1107**	**0.0000**	**490.5623**	**490.5623**	**0.1319**	**0.0000**	**493.8602**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0393	1.5920	0.6316	4.6500e-003	0.1245	2.1600e-003	0.1267	0.0360	2.0600e-003	0.0381	0.0000	487.5440	487.5440	0.0666	0.0000	489.2082
Worker	0.1728	0.0892	1.1616	5.1200e-003	0.6167	4.3400e-003	0.6210	0.1641	3.9900e-003	0.1680	0.0000	463.9596	463.9596	7.2300e-003	0.0000	464.1404
Total	**0.2122**	**1.6812**	**1.7932**	**9.7700e-003**	**0.7412**	**6.5000e-003**	**0.7477**	**0.2001**	**6.0500e-003**	**0.2061**	**0.0000**	**951.5036**	**951.5036**	**0.0738**	**0.0000**	**953.3486**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2337	2.1871	2.4059	5.6600e-003		0.0926	0.0926		0.0867	0.0867	0.0000	392.2435	392.2435	0.1001	0.0000	394.7465
Total	**0.2337**	**2.1871**	**2.4059**	**5.6600e-003**		**0.0926**	**0.0926**		**0.0867**	**0.0867**	**0.0000**	**392.2435**	**392.2435**	**0.1001**	**0.0000**	**394.7465**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0393	1.5920	0.6316	4.6500e-003	0.1245	2.1600e-003	0.1267	0.0360	2.0600e-003	0.0381	0.0000	487.5440	487.5440	0.0666	0.0000	489.2082
Worker	0.1728	0.0892	1.1616	5.1200e-003	0.6167	4.3400e-003	0.6210	0.1641	3.9900e-003	0.1680	0.0000	463.9596	463.9596	7.2300e-003	0.0000	464.1404
Total	**0.2122**	**1.6812**	**1.7932**	**9.7700e-003**	**0.7412**	**6.5000e-003**	**0.7477**	**0.2001**	**6.0500e-003**	**0.2061**	**0.0000**	**951.5036**	**951.5036**	**0.0738**	**0.0000**	**953.3486**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0237	0.2254	0.2207	4.6000e-004		9.5600e-003	9.5600e-003		8.9100e-003	8.9100e-003	0.0000	39.4705	39.4705	0.0106	0.0000	39.7359
Total	**0.0237**	**0.2254**	**0.2207**	**4.6000e-004**		**9.5600e-003**	**9.5600e-003**		**8.9100e-003**	**8.9100e-003**	**0.0000**	**39.4705**	**39.4705**	**0.0106**	**0.0000**	**39.7359**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0800e-003	0.1251	0.0512	3.7000e-004	0.0100	1.7000e-004	0.0102	2.9000e-003	1.6000e-004	3.0600e-003	0.0000	38.8958	38.8958	5.3600e-003	0.0000	39.0299
Worker	0.0133	6.6400e-003	0.0882	4.0000e-004	0.0496	3.3000e-004	0.0500	0.0132	3.0000e-004	0.0135	0.0000	36.0757	36.0757	5.4000e-004	0.0000	36.0891
Total	**0.0164**	**0.1317**	**0.1394**	**7.7000e-004**	**0.0596**	**5.0000e-004**	**0.0601**	**0.0161**	**4.6000e-004**	**0.0166**	**0.0000**	**74.9714**	**74.9714**	**5.9000e-003**	**0.0000**	**75.1189**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0188	0.1760	0.1936	4.6000e-004		7.4500e-003	7.4500e-003		6.9700e-003	6.9700e-003	0.0000	31.5598	31.5598	8.0600e-003	0.0000	31.7612
Total	**0.0188**	**0.1760**	**0.1936**	**4.6000e-004**		**7.4500e-003**	**7.4500e-003**		**6.9700e-003**	**6.9700e-003**	**0.0000**	**31.5598**	**31.5598**	**8.0600e-003**	**0.0000**	**31.7612**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0800e-003	0.1251	0.0512	3.7000e-004	0.0100	1.7000e-004	0.0102	2.9000e-003	1.6000e-004	3.0600e-003	0.0000	38.8958	38.8958	5.3600e-003	0.0000	39.0299
Worker	0.0133	6.6400e-003	0.0882	4.0000e-004	0.0496	3.3000e-004	0.0500	0.0132	3.0000e-004	0.0135	0.0000	36.0757	36.0757	5.4000e-004	0.0000	36.0891
Total	**0.0164**	**0.1317**	**0.1394**	**7.7000e-004**	**0.0596**	**5.0000e-004**	**0.0601**	**0.0161**	**4.6000e-004**	**0.0166**	**0.0000**	**74.9714**	**74.9714**	**5.9000e-003**	**0.0000**	**75.1189**

3.28 Phase 2-B (Electric Cranes Only) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1673	1.5585	1.7654	3.2600e-003		0.0660	0.0660		0.0618	0.0618	0.0000	281.2890	281.2890	0.0708	0.0000	283.0588
Total	**0.1673**	**1.5585**	**1.7654**	**3.2600e-003**		**0.0660**	**0.0660**		**0.0618**	**0.0618**	**0.0000**	**281.2890**	**281.2890**	**0.0708**	**0.0000**	**283.0588**

3.28 Phase 2-B (Electric Cranes Only) - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0130	0.5229	0.2007	1.5100e-003	0.0399	7.2000e-004	0.0406	0.0115	6.9000e-004	0.0122	0.0000	157.6550	157.6550	0.0213	0.0000	158.1879
Worker	0.0577	0.0310	0.3963	1.7100e-003	0.1977	1.4300e-003	0.1991	0.0526	1.3100e-003	0.0539	0.0000	154.4517	154.4517	2.5300e-003	0.0000	154.5148
Total	**0.0707**	**0.5540**	**0.5970**	**3.2200e-003**	**0.2376**	**2.1500e-003**	**0.2398**	**0.0641**	**2.0000e-003**	**0.0661**	**0.0000**	**312.1067**	**312.1067**	**0.0239**	**0.0000**	**312.7028**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1435	1.3172	1.6331	3.2600e-003		0.0557	0.0557		0.0524	0.0524	0.0000	242.6720	242.6720	0.0583	0.0000	244.1295
Total	**0.1435**	**1.3172**	**1.6331**	**3.2600e-003**		**0.0557**	**0.0557**		**0.0524**	**0.0524**	**0.0000**	**242.6720**	**242.6720**	**0.0583**	**0.0000**	**244.1295**

3.28 Phase 2-B (Electric Cranes Only) - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0130	0.5229	0.2007	1.5100e-003	0.0399	7.2000e-004	0.0406	0.0115	6.9000e-004	0.0122	0.0000	157.6550	157.6550	0.0213	0.0000	158.1879
Worker	0.0577	0.0310	0.3963	1.7100e-003	0.1977	1.4300e-003	0.1991	0.0526	1.3100e-003	0.0539	0.0000	154.4517	154.4517	2.5300e-003	0.0000	154.5148
Total	**0.0707**	**0.5540**	**0.5970**	**3.2200e-003**	**0.2376**	**2.1500e-003**	**0.2398**	**0.0641**	**2.0000e-003**	**0.0661**	**0.0000**	**312.1067**	**312.1067**	**0.0239**	**0.0000**	**312.7028**

3.28 Phase 2-B (Electric Cranes Only) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0730	0.6804	0.7707	1.4200e-003		0.0288	0.0288		0.0270	0.0270	0.0000	122.7962	122.7962	0.0309	0.0000	123.5688
Total	**0.0730**	**0.6804**	**0.7707**	**1.4200e-003**		**0.0288**	**0.0288**		**0.0270**	**0.0270**	**0.0000**	**122.7962**	**122.7962**	**0.0309**	**0.0000**	**123.5688**

3.28 Phase 2-B (Electric Cranes Only) - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.5000e-003	0.2228	0.0884	6.5000e-004	0.0174	3.0000e-004	0.0177	5.0400e-003	2.9000e-004	5.3300e-003	0.0000	68.2198	68.2198	9.3100e-003	0.0000	68.4527
Worker	0.0242	0.0125	0.1626	7.2000e-004	0.0863	6.1000e-004	0.0869	0.0230	5.6000e-004	0.0235	0.0000	64.9338	64.9338	1.0100e-003	0.0000	64.9591
Total	**0.0297**	**0.2352**	**0.2510**	**1.3700e-003**	**0.1037**	**9.1000e-004**	**0.1046**	**0.0280**	**8.5000e-004**	**0.0289**	**0.0000**	**133.1536**	**133.1536**	**0.0103**	**0.0000**	**133.4118**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0626	0.5750	0.7129	1.4200e-003		0.0243	0.0243		0.0229	0.0229	0.0000	105.9380	105.9380	0.0255	0.0000	106.5743
Total	**0.0626**	**0.5750**	**0.7129**	**1.4200e-003**		**0.0243**	**0.0243**		**0.0229**	**0.0229**	**0.0000**	**105.9380**	**105.9380**	**0.0255**	**0.0000**	**106.5743**

3.28 Phase 2-B (Electric Cranes Only) - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.5000e-003	0.2228	0.0884	6.5000e-004	0.0174	3.0000e-004	0.0177	5.0400e-003	2.9000e-004	5.3300e-003	0.0000	68.2198	68.2198	9.3100e-003	0.0000	68.4527
Worker	0.0242	0.0125	0.1626	7.2000e-004	0.0863	6.1000e-004	0.0869	0.0230	5.6000e-004	0.0235	0.0000	64.9338	64.9338	1.0100e-003	0.0000	64.9591
Total	**0.0297**	**0.2352**	**0.2510**	**1.3700e-003**	**0.1037**	**9.1000e-004**	**0.1046**	**0.0280**	**8.5000e-004**	**0.0289**	**0.0000**	**133.1536**	**133.1536**	**0.0103**	**0.0000**	**133.4118**

3.29 Phase 2-B Architectural Coatings - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4868					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0145	0.0974	0.1539	2.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003	0.0000	21.7197	21.7197	1.1800e-003	0.0000	21.7493
Total	**0.5013**	**0.0974**	**0.1539**	**2.5000e-004**		**4.3800e-003**	**4.3800e-003**		**4.3800e-003**	**4.3800e-003**	**0.0000**	**21.7197**	**21.7197**	**1.1800e-003**	**0.0000**	**21.7493**

3.29 Phase 2-B Architectural Coatings - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.5200e-003	8.5000e-004	1.0000e-005	2.5000e-004	0.0000	2.5000e-004	6.0000e-005	0.0000	7.0000e-005	0.0000	0.5994	0.5994	1.2000e-004	0.0000	0.6025
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0193	0.0104	0.1328	5.7000e-004	0.0662	4.8000e-004	0.0667	0.0176	4.4000e-004	0.0181	0.0000	51.7452	51.7452	8.5000e-004	0.0000	51.7664
Total	**0.0194**	**0.0119**	**0.1336**	**5.8000e-004**	**0.0665**	**4.8000e-004**	**0.0670**	**0.0177**	**4.4000e-004**	**0.0181**	**0.0000**	**52.3447**	**52.3447**	**9.7000e-004**	**0.0000**	**52.3689**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4868					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0145	0.0974	0.1539	2.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003	0.0000	21.7197	21.7197	1.1800e-003	0.0000	21.7493
Total	**0.5013**	**0.0974**	**0.1539**	**2.5000e-004**		**4.3800e-003**	**4.3800e-003**		**4.3800e-003**	**4.3800e-003**	**0.0000**	**21.7197**	**21.7197**	**1.1800e-003**	**0.0000**	**21.7493**

3.29 Phase 2-B Architectural Coatings - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.5200e-003	8.5000e-004	1.0000e-005	2.5000e-004	0.0000	2.5000e-004	6.0000e-005	0.0000	7.0000e-005	0.0000	0.5994	0.5994	1.2000e-004	0.0000	0.6025
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0193	0.0104	0.1328	5.7000e-004	0.0662	4.8000e-004	0.0667	0.0176	4.4000e-004	0.0181	0.0000	51.7452	51.7452	8.5000e-004	0.0000	51.7664
Total	**0.0194**	**0.0119**	**0.1336**	**5.8000e-004**	**0.0665**	**4.8000e-004**	**0.0670**	**0.0177**	**4.4000e-004**	**0.0181**	**0.0000**	**52.3447**	**52.3447**	**9.7000e-004**	**0.0000**	**52.3689**

3.29 Phase 2-B Architectural Coatings - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6343					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0189	0.1270	0.2005	3.3000e-004		5.7100e-003	5.7100e-003		5.7100e-003	5.7100e-003	0.0000	28.3014	28.3014	1.5400e-003	0.0000	28.3400
Total	**0.6532**	**0.1270**	**0.2005**	**3.3000e-004**		**5.7100e-003**	**5.7100e-003**		**5.7100e-003**	**5.7100e-003**	**0.0000**	**28.3014**	**28.3014**	**1.5400e-003**	**0.0000**	**28.3400**

3.29 Phase 2-B Architectural Coatings - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	1.8900e-003	1.1400e-003	1.0000e-005	2.5000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.7721	0.7721	1.6000e-004	0.0000	0.7761
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0242	0.0125	0.1626	7.2000e-004	0.0863	6.1000e-004	0.0869	0.0230	5.6000e-004	0.0235	0.0000	64.9338	64.9338	1.0100e-003	0.0000	64.9591
Total	**0.0242**	**0.0144**	**0.1637**	**7.3000e-004**	**0.0866**	**6.1000e-004**	**0.0872**	**0.0230**	**5.6000e-004**	**0.0236**	**0.0000**	**65.7059**	**65.7059**	**1.1700e-003**	**0.0000**	**65.7352**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6343					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0189	0.1270	0.2005	3.3000e-004		5.7100e-003	5.7100e-003		5.7100e-003	5.7100e-003	0.0000	28.3014	28.3014	1.5400e-003	0.0000	28.3400
Total	**0.6532**	**0.1270**	**0.2005**	**3.3000e-004**		**5.7100e-003**	**5.7100e-003**		**5.7100e-003**	**5.7100e-003**	**0.0000**	**28.3014**	**28.3014**	**1.5400e-003**	**0.0000**	**28.3400**

3.29 Phase 2-B Architectural Coatings - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	1.8900e-003	1.1400e-003	1.0000e-005	2.5000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.7721	0.7721	1.6000e-004	0.0000	0.7761
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0242	0.0125	0.1626	7.2000e-004	0.0863	6.1000e-004	0.0869	0.0230	5.6000e-004	0.0235	0.0000	64.9338	64.9338	1.0100e-003	0.0000	64.9591
Total	**0.0242**	**0.0144**	**0.1637**	**7.3000e-004**	**0.0866**	**6.1000e-004**	**0.0872**	**0.0230**	**5.6000e-004**	**0.0236**	**0.0000**	**65.7059**	**65.7059**	**1.1700e-003**	**0.0000**	**65.7352**

3.30 Phase 2-G,A,H Architectural Coatings - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3626					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0741	0.4965	0.7842	1.2900e-003		0.0223	0.0223		0.0223	0.0223	0.0000	110.6706	110.6706	6.0400e-003	0.0000	110.8215
Total	**3.4366**	**0.4965**	**0.7842**	**1.2900e-003**		**0.0223**	**0.0223**		**0.0223**	**0.0223**	**0.0000**	**110.6706**	**110.6706**	**6.0400e-003**	**0.0000**	**110.8215**

3.30 Phase 2-G,A,H Architectural Coatings - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1159	0.0598	0.7788	3.4300e-003	0.4135	2.9100e-003	0.4164	0.1100	2.6700e-003	0.1127	0.0000	311.0840	311.0840	4.8500e-003	0.0000	311.2053
Total	**0.1159**	**0.0598**	**0.7788**	**3.4300e-003**	**0.4135**	**2.9100e-003**	**0.4164**	**0.1100**	**2.6700e-003**	**0.1127**	**0.0000**	**311.0840**	**311.0840**	**4.8500e-003**	**0.0000**	**311.2053**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3626					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0741	0.4965	0.7842	1.2900e-003		0.0223	0.0223		0.0223	0.0223	0.0000	110.6704	110.6704	6.0400e-003	0.0000	110.8213
Total	**3.4366**	**0.4965**	**0.7842**	**1.2900e-003**		**0.0223**	**0.0223**		**0.0223**	**0.0223**	**0.0000**	**110.6704**	**110.6704**	**6.0400e-003**	**0.0000**	**110.8213**

3.30 Phase 2-G,A,H Architectural Coatings - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1159	0.0598	0.7788	3.4300e-003	0.4135	2.9100e-003	0.4164	0.1100	2.6700e-003	0.1127	0.0000	311.0840	311.0840	4.8500e-003	0.0000	311.2053
Total	**0.1159**	**0.0598**	**0.7788**	**3.4300e-003**	**0.4135**	**2.9100e-003**	**0.4164**	**0.1100**	**2.6700e-003**	**0.1127**	**0.0000**	**311.0840**	**311.0840**	**4.8500e-003**	**0.0000**	**311.2053**

3.30 Phase 2-G,A,H Architectural Coatings - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4035					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.8900e-003	0.0596	0.0941	1.5000e-004		2.6800e-003	2.6800e-003		2.6800e-003	2.6800e-003	0.0000	13.2805	13.2805	7.2000e-004	0.0000	13.2986
Total	**0.4124**	**0.0596**	**0.0941**	**1.5000e-004**		**2.6800e-003**	**2.6800e-003**		**2.6800e-003**	**2.6800e-003**	**0.0000**	**13.2805**	**13.2805**	**7.2000e-004**	**0.0000**	**13.2986**

3.30 Phase 2-G,A,H Architectural Coatings - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0133	6.6400e-003	0.0882	4.0000e-004	0.0496	3.3000e-004	0.0500	0.0132	3.0000e-004	0.0135	0.0000	36.0757	36.0757	5.4000e-004	0.0000	36.0891
Total	**0.0133**	**6.6400e-003**	**0.0882**	**4.0000e-004**	**0.0496**	**3.3000e-004**	**0.0500**	**0.0132**	**3.0000e-004**	**0.0135**	**0.0000**	**36.0757**	**36.0757**	**5.4000e-004**	**0.0000**	**36.0891**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4035					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.8900e-003	0.0596	0.0941	1.5000e-004		2.6800e-003	2.6800e-003		2.6800e-003	2.6800e-003	0.0000	13.2805	13.2805	7.2000e-004	0.0000	13.2986
Total	**0.4124**	**0.0596**	**0.0941**	**1.5000e-004**		**2.6800e-003**	**2.6800e-003**		**2.6800e-003**	**2.6800e-003**	**0.0000**	**13.2805**	**13.2805**	**7.2000e-004**	**0.0000**	**13.2986**

3.30 Phase 2-G,A,H Architectural Coatings - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0133	6.6400e-003	0.0882	4.0000e-004	0.0496	3.3000e-004	0.0500	0.0132	3.0000e-004	0.0135	0.0000	36.0757	36.0757	5.4000e-004	0.0000	36.0891
Total	**0.0133**	**6.6400e-003**	**0.0882**	**4.0000e-004**	**0.0496**	**3.3000e-004**	**0.0500**	**0.0132**	**3.0000e-004**	**0.0135**	**0.0000**	**36.0757**	**36.0757**	**5.4000e-004**	**0.0000**	**36.0891**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.3407	9.0818	25.9230	0.0982	9.1355	0.1040	9.2394	2.4602	0.0972	2.5574	0.0000	9,044.4321	9,044.4321	0.3740	0.0000	9,053.7809
Unmitigated	2.3407	9.0818	25.9230	0.0982	9.1355	0.1040	9.2394	2.4602	0.0972	2.5574	0.0000	9,044.4321	9,044.4321	0.3740	0.0000	9,053.7809

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	10,307.50	9,904.50	9083.00	23,269,294	23,269,294
City Park	7.56	91.00	66.96	59,703	59,703
Day-Care Center	740.60	62.10	58.30	643,221	643,221
Enclosed Parking with Elevator	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Strip Mall	332.40	315.30	153.23	468,726	468,726
Total	11,388.06	10,372.90	9,361.49	24,440,943	24,440,943

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Day-Care Center	9.50	7.30	7.30	12.70	82.30	5.00	28	58	14
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.604697	0.038136	0.192426	0.089922	0.013708	0.005077	0.031210	0.009257	0.004288	0.003553	0.006262	0.000945	0.000519
City Park	0.604697	0.038136	0.192426	0.089922	0.013708	0.005077	0.031210	0.009257	0.004288	0.003553	0.006262	0.000945	0.000519
Day-Care Center	0.604697	0.038136	0.192426	0.089922	0.013708	0.005077	0.031210	0.009257	0.004288	0.003553	0.006262	0.000945	0.000519
Enclosed Parking with Elevator	0.604697	0.038136	0.192426	0.089922	0.013708	0.005077	0.031210	0.009257	0.004288	0.003553	0.006262	0.000945	0.000519
Other Asphalt Surfaces	0.604697	0.038136	0.192426	0.089922	0.013708	0.005077	0.031210	0.009257	0.004288	0.003553	0.006262	0.000945	0.000519
Strip Mall	0.604697	0.038136	0.192426	0.089922	0.013708	0.005077	0.031210	0.009257	0.004288	0.003553	0.006262	0.000945	0.000519

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Balboa Reservoir-Unmitigated Additional Housing Option Construction - San Francisco County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,333.3265	2,333.3265	0.1055	0.0218	2,342.4692
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,333.3265	2,333.3265	0.1055	0.0218	2,342.4692
NaturalGas Mitigated	0.0740	0.6333	0.2735	4.0400e-003		0.0512	0.0512		0.0512	0.0512	0.0000	732.7580	732.7580	0.0140	0.0134	737.1124
NaturalGas Unmitigated	0.0740	0.6333	0.2735	4.0400e-003		0.0512	0.0512		0.0512	0.0512	0.0000	732.7580	732.7580	0.0140	0.0134	737.1124

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.35322e+007	0.0730	0.6235	0.2653	3.9800e-003		0.0504	0.0504		0.0504	0.0504	0.0000	722.1279	722.1279	0.0138	0.0132	726.4192
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Day-Care Center	164700	8.9000e-004	8.0700e-003	6.7800e-003	5.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	8.7890	8.7890	1.7000e-004	1.6000e-004	8.8413
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	34500	1.9000e-004	1.6900e-003	1.4200e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.8411	1.8411	4.0000e-005	3.0000e-005	1.8520
Total		**0.0741**	**0.6333**	**0.2735**	**4.0400e-003**		**0.0512**	**0.0512**		**0.0512**	**0.0512**	**0.0000**	**732.7580**	**732.7580**	**0.0141**	**0.0134**	**737.1124**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.35322e+007	0.0730	0.6235	0.2653	3.9800e-003		0.0504	0.0504		0.0504	0.0504	0.0000	722.1279	722.1279	0.0138	0.0132	726.4192
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Day-Care Center	164700	8.9000e-004	8.0700e-003	6.7800e-003	5.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	8.7890	8.7890	1.7000e-004	1.6000e-004	8.8413
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	34500	1.9000e-004	1.6900e-003	1.4200e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.8411	1.8411	4.0000e-005	3.0000e-005	1.8520
Total		**0.0741**	**0.6333**	**0.2735**	**4.0400e-003**		**0.0512**	**0.0512**		**0.0512**	**0.0512**	**0.0000**	**732.7580**	**732.7580**	**0.0141**	**0.0134**	**737.1124**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	6.54408e+006	1,903.7492	0.0861	0.0178	1,911.2087
City Park	0	0.0000	0.0000	0.0000	0.0000
Day-Care Center	44400	12.9165	5.8000e-004	1.2000e-004	12.9671
Enclosed Parking with Elevator	1.35366e+006	393.7952	0.0178	3.6800e-003	395.3382
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	78600	22.8656	1.0300e-003	2.1000e-004	22.9552
Total		**2,333.3266**	**0.1055**	**0.0218**	**2,342.4692**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	6.54408e+006	1,903.7492	0.0861	0.0178	1,911.2087
City Park	0	0.0000	0.0000	0.0000	0.0000
Day-Care Center	44400	12.9165	5.8000e-004	1.2000e-004	12.9671
Enclosed Parking with Elevator	1.35366e+006	393.7952	0.0178	3.6800e-003	395.3382
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	78600	22.8656	1.0300e-003	2.1000e-004	22.9552
Total		**2,333.3266**	**0.1055**	**0.0218**	**2,342.4692**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	11.3564	0.2149	16.4349	0.0104		0.7679	0.7679		0.7679	0.7679	70.6640	47.8368	118.5009	0.1316	4.6300e-003	123.1728
Unmitigated	11.3564	0.2149	16.4349	0.0104		0.7679	0.7679		0.7679	0.7679	70.6640	47.8368	118.5009	0.1316	4.6300e-003	123.1728

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.1354					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.2981					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.5763	0.0823	4.9246	9.8000e-003		0.7041	0.7041		0.7041	0.7041	70.6640	29.0251	99.6892	0.1136	4.6300e-003	103.9094
Landscaping	0.3465	0.1326	11.5103	6.1000e-004		0.0638	0.0638		0.0638	0.0638	0.0000	18.8117	18.8117	0.0181	0.0000	19.2634
Total	**11.3564**	**0.2149**	**16.4349**	**0.0104**		**0.7679**	**0.7679**		**0.7679**	**0.7679**	**70.6640**	**47.8368**	**118.5009**	**0.1316**	**4.6300e-003**	**123.1728**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.1354					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.2981					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.5763	0.0823	4.9246	9.8000e-003		0.7041	0.7041		0.7041	0.7041	70.6640	29.0251	99.6892	0.1136	4.6300e-003	103.9094
Landscaping	0.3465	0.1326	11.5103	6.1000e-004		0.0638	0.0638		0.0638	0.0638	0.0000	18.8117	18.8117	0.0181	0.0000	19.2634
Total	**11.3564**	**0.2149**	**16.4349**	**0.0104**		**0.7679**	**0.7679**		**0.7679**	**0.7679**	**70.6640**	**47.8368**	**118.5009**	**0.1316**	**4.6300e-003**	**123.1728**

7.0 Water Detail

7.1 Mitigation Measures Water

Balboa Reservoir-Unmitigated Additional Housing Option Construction - San Francisco County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	264.0168	3.3333	0.0806	371.3751
Unmitigated	264.0168	3.3333	0.0806	371.3751

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	100.989 / 63.6668	255.8326	3.3008	0.0798	362.1324
City Park	0 / 4.76593	4.8526	2.2000e-004	5.0000e-005	4.8716
Day-Care Center	0.428896 / 1.10287	1.9341	0.0141	3.5000e-004	2.3889
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.555544 / 0.340495	1.3974	0.0182	4.4000e-004	1.9822
Total		**264.0168**	**3.3333**	**0.0806**	**371.3751**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	100.989 / 63.6668	255.8326	3.3008	0.0798	362.1324
City Park	0 / 4.76593	4.8526	2.2000e-004	5.0000e-005	4.8716
Day-Care Center	0.428896 / 1.10287	1.9341	0.0141	3.5000e-004	2.3889
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.555544 / 0.340495	1.3974	0.0182	4.4000e-004	1.9822
Total		**264.0168**	**3.3333**	**0.0806**	**371.3751**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	149.0400	8.8080	0.0000	369.2404
Unmitigated	149.0400	8.8080	0.0000	369.2404

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	713	144.7326	8.5535	0.0000	358.5688
City Park	0.34	0.0690	4.0800e-003	0.0000	0.1710
Day-Care Center	13	2.6389	0.1560	0.0000	6.5377
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	7.88	1.5996	0.0945	0.0000	3.9629
Total		**149.0400**	**8.8080**	**0.0000**	**369.2404**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	713	144.7326	8.5535	0.0000	358.5688
City Park	0.34	0.0690	4.0800e-003	0.0000	0.1710
Day-Care Center	13	2.6389	0.1560	0.0000	6.5377
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	7.88	1.5996	0.0945	0.0000	3.9629
Total		**149.0400**	**8.8080**	**0.0000**	**369.2404**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

A4 CalEEMod Output: Additional Housing Option – Mitigated Construction Emissions

Balboa Reservoir-Mitigated Additional Housing Option Construction

San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Day-Care Center	10.00	1000sqft	0.00	10,000.00	0
Enclosed Parking with Elevator	650.00	Space	0.00	231,000.00	0
Other Asphalt Surfaces	4.00	Acre	4.00	174,240.00	0
City Park	4.00	Acre	4.00	174,240.00	0
Apartments Mid Rise	1,550.00	Dwelling Unit	13.00	1,588,000.00	4433
Strip Mall	7.50	1000sqft	0.00	7,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	4.6	**Precipitation Freq (Days)**	64
Climate Zone	5			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project Specific Information

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	8,750.00	0.00

tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	8,750.00	3,750.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	8,750.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	8,750.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	8,750.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	8,750.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	8,750.00	5,000.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	26,250.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	26,250.00	11,250.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	26,250.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	26,250.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	26,250.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	26,250.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	26,250.00	15,000.00
tblArchitecturalCoating	ConstArea_Parking	24,314.00	0.00
tblArchitecturalCoating	ConstArea_Parking	24,314.00	0.00
tblArchitecturalCoating	ConstArea_Parking	24,314.00	0.00
tblArchitecturalCoating	ConstArea_Parking	24,314.00	0.00
tblArchitecturalCoating	ConstArea_Parking	24,314.00	0.00
tblArchitecturalCoating	ConstArea_Parking	24,314.00	0.00
tblArchitecturalCoating	ConstArea_Parking	24,314.00	13,860.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,071,900.00	132,975.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,071,900.00	288,900.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,071,900.00	40,500.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,071,900.00	110,025.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,071,900.00	361,125.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,071,900.00	40,500.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,071,900.00	97,875.00

tblArchitecturalCoating	ConstArea_Residential_Interior	3,215,700.00	398,925.00
tblArchitecturalCoating	ConstArea_Residential_Interior	3,215,700.00	866,700.00
tblArchitecturalCoating	ConstArea_Residential_Interior	3,215,700.00	121,500.00
tblArchitecturalCoating	ConstArea_Residential_Interior	3,215,700.00	330,075.00
tblArchitecturalCoating	ConstArea_Residential_Interior	3,215,700.00	1,083,375.00
tblArchitecturalCoating	ConstArea_Residential_Interior	3,215,700.00	121,500.00
tblArchitecturalCoating	ConstArea_Residential_Interior	3,215,700.00	293,625.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Parking	150.00	10.00
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tblArchitecturalCoating	EF_Parking	150.00	10.00
tblArchitecturalCoating	EF_Parking	150.00	10.00
tblArchitecturalCoating	EF_Parking	150.00	10.00
tblArchitecturalCoating	EF_Parking	150.00	10.00

tblArchitecturalCoating	EF_Parking	150.00	10.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	10.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	10.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	10.00
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tblArchitecturalCoating	EF_Residential_Exterior	150.00	10.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	10.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	10.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	10.00
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tblArchitecturalCoating	EF_Residential_Interior	100.00	10.00
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tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstructionPhase	NumDays	20.00	175.00
tblConstructionPhase	NumDays	20.00	152.00
tblConstructionPhase	NumDays	20.00	152.00
tblConstructionPhase	NumDays	20.00	152.00
tblConstructionPhase	NumDays	20.00	196.00

tblConstructionPhase	NumDays	370.00	522.00
tblConstructionPhase	NumDays	370.00	500.00
tblConstructionPhase	NumDays	370.00	282.00
tblConstructionPhase	NumDays	370.00	108.00
tblConstructionPhase	NumDays	370.00	109.00
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tblConstructionPhase	NumDays	370.00	151.00
tblConstructionPhase	NumDays	370.00	151.00
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tblConstructionPhase	NumDays	370.00	283.00
tblConstructionPhase	NumDays	370.00	154.00
tblConstructionPhase	NumDays	370.00	154.00
tblConstructionPhase	NumDays	370.00	132.00
tblConstructionPhase	NumDays	370.00	88.00
tblConstructionPhase	NumDays	370.00	153.00
tblConstructionPhase	NumDays	35.00	220.00
tblConstructionPhase	NumDays	10.00	65.00
tblConstructionPhase	NumDays	10.00	173.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblGrading	AcresOfGrading	638.00	198.00
tblLandUse	LandUseSquareFeet	260,000.00	231,000.00
tblLandUse	LandUseSquareFeet	1,550,000.00	1,588,000.00
tblLandUse	LotAcreage	0.23	0.00
tblLandUse	LotAcreage	5.85	0.00

tblLandUse	LotAcreage	40.79	13.00
tblLandUse	LotAcreage	0.17	0.00
tblOffRoadEquipment	HorsePower	158.00	325.00
tblOffRoadEquipment	HorsePower	187.00	330.00
tblOffRoadEquipment	HorsePower	97.00	250.00
tblOffRoadEquipment	HorsePower	97.00	250.00
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tblOffRoadEquipment	HorsePower	97.00	250.00
tblOffRoadEquipment	HorsePower	97.00	250.00
tblOffRoadEquipment	HorsePower	97.00	250.00
tblOffRoadEquipment	HorsePower	212.00	400.00
tblOffRoadEquipment	HorsePower	212.00	400.00
tblOffRoadEquipment	HorsePower	212.00	400.00
tblOffRoadEquipment	HorsePower	85.00	350.00
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tblOffRoadEquipment	HorsePower	158.00	325.00
tblOffRoadEquipment	HorsePower	158.00	325.00
tblOffRoadEquipment	HorsePower	158.00	325.00
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tblOffRoadEquipment	HorsePower	158.00	325.00
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tblOffRoadEquipment	HorsePower	158.00	325.00
tblOffRoadEquipment	HorsePower	172.00	350.00
tblOffRoadEquipment	LoadFactor	0.38	0.50
tblOffRoadEquipment	LoadFactor	0.41	0.50

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tblOffRoadEquipment	LoadFactor	0.37	0.25
tblOffRoadEquipment	LoadFactor	0.37	0.25
tblOffRoadEquipment	LoadFactor	0.37	0.25
tblOffRoadEquipment	LoadFactor	0.37	0.25
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tblOffRoadEquipment	LoadFactor	0.43	1.00
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tblOffRoadEquipment	LoadFactor	0.38	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.50
tblOffRoadEquipment	LoadFactor	0.42	0.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	6.00	4.97
tblOffRoadEquipment	UsageHours	6.00	12.71
tblOffRoadEquipment	UsageHours	6.00	7.33
tblOffRoadEquipment	UsageHours	6.00	10.05
tblOffRoadEquipment	UsageHours	6.00	4.97
tblOffRoadEquipment	UsageHours	6.00	15.47
tblOffRoadEquipment	UsageHours	6.00	9.91
tblOffRoadEquipment	UsageHours	7.00	7.33
tblOffRoadEquipment	UsageHours	7.00	10.05
tblOffRoadEquipment	UsageHours	7.00	12.71
tblOffRoadEquipment	UsageHours	7.00	9.91
tblOffRoadEquipment	UsageHours	7.00	15.47
tblOffRoadEquipment	UsageHours	8.00	7.20
tblOffRoadEquipment	UsageHours	8.00	4.97
tblOffRoadEquipment	UsageHours	8.00	9.91
tblOffRoadEquipment	UsageHours	8.00	15.47
tblOffRoadEquipment	UsageHours	8.00	10.05
tblOffRoadEquipment	UsageHours	8.00	12.71
tblOffRoadEquipment	UsageHours	8.00	7.33
tblOffRoadEquipment	UsageHours	8.00	4.97

tblOffRoadEquipment	UsageHours	8.00	7.20
tblOffRoadEquipment	UsageHours	7.00	3.98
tblOffRoadEquipment	UsageHours	7.00	2.83
tblOffRoadEquipment	UsageHours	7.00	4.42
tblOffRoadEquipment	UsageHours	7.00	4.31
tblOffRoadEquipment	UsageHours	7.00	3.63
tblOffRoadEquipment	UsageHours	7.00	2.44
tblOffRoadEquipment	UsageHours	7.00	4.97
tblTripsAndVMT	HaulingTripLength	20.00	22.00
tblTripsAndVMT	HaulingTripNumber	0.00	34.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,500.00
tblTripsAndVMT	HaulingTripNumber	0.00	34.00
tblTripsAndVMT	VendorTripNumber	264.00	33.00
tblTripsAndVMT	VendorTripNumber	264.00	108.00
tblTripsAndVMT	VendorTripNumber	264.00	69.00
tblTripsAndVMT	VendorTripNumber	264.00	25.00
tblTripsAndVMT	VendorTripNumber	0.00	69.00
tblTripsAndVMT	VendorTripNumber	264.00	25.00
tblTripsAndVMT	VendorTripNumber	264.00	25.00
tblTripsAndVMT	VendorTripNumber	264.00	25.00
tblTripsAndVMT	VendorTripNumber	264.00	25.00
tblTripsAndVMT	VendorTripNumber	264.00	0.00
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tblTripsAndVMT	VendorTripNumber	264.00	62.00
tblTripsAndVMT	VendorTripNumber	264.00	146.00
tblTripsAndVMT	VendorTripNumber	264.00	62.00
tblTripsAndVMT	VendorTripNumber	264.00	108.00

tblTripsAndVMT	VendorTripNumber	264.00	69.00
tblTripsAndVMT	VendorTripNumber	264.00	33.00
tblTripsAndVMT	VendorTripNumber	264.00	25.00
tblTripsAndVMT	VendorTripNumber	264.00	25.00
tblTripsAndVMT	WorkerTripNumber	33.00	60.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	136.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	442.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	282.00
tblTripsAndVMT	WorkerTripNumber	273.00	108.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	108.00
tblTripsAndVMT	WorkerTripNumber	273.00	282.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	108.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	108.00
tblTripsAndVMT	WorkerTripNumber	273.00	136.00
tblTripsAndVMT	WorkerTripNumber	273.00	442.00
tblTripsAndVMT	WorkerTripNumber	20.00	0.00
tblTripsAndVMT	WorkerTripNumber	273.00	108.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	108.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	108.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	0.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	598.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	254.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	598.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	254.00
tblTripsAndVMT	WorkerTripNumber	273.00	254.00
tblTripsAndVMT	WorkerTripNumber	273.00	598.00
tblTripsAndVMT	WorkerTripNumber	33.00	20.00

tblTripsAndVMT	WorkerTripNumber	8.00	20.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	442.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	282.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	136.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	108.00
tblTripsAndVMT	WorkerTripNumber	1,366.00	108.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	1.6642	17.6229	10.7806	0.0268	2.6786	0.7448	3.4234	1.3778	0.6861	2.0639	0.0000	2,363.8288	2,363.8288	0.7222	0.0000	2,381.8839
2022	1.6245	14.2001	14.0311	0.0381	1.4775	0.5461	2.0235	0.4911	0.5172	1.0083	0.0000	3,442.7039	3,442.7039	0.5806	0.0000	3,457.2177
2023	1.5778	12.4804	13.0396	0.0366	1.3763	0.4445	1.8208	0.3713	0.4174	0.7887	0.0000	3,351.4040	3,351.4040	0.5042	0.0000	3,364.0076
2024	1.7149	10.2415	12.5865	0.0347	1.3594	0.3576	1.7170	0.3653	0.3393	0.7046	0.0000	3,155.3898	3,155.3898	0.4406	0.0000	3,166.4059
2025	0.9601	7.7092	8.7601	0.0270	1.1225	0.2295	1.3520	0.3027	0.2162	0.5189	0.0000	2,490.6949	2,490.6949	0.3541	0.0000	2,499.5476
2026	1.1971	6.0959	7.4847	0.0240	1.3449	0.1865	1.5315	0.3611	0.1758	0.5369	0.0000	2,213.7775	2,213.7775	0.2606	0.0000	2,220.2914
2027	0.0982	0.4233	0.5423	1.7800e-003	0.1093	0.0131	0.1223	0.0293	0.0124	0.0417	0.0000	163.7981	163.7981	0.0178	0.0000	164.2424
Maximum	**1.7149**	**17.6229**	**14.0311**	**0.0381**	**2.6786**	**0.7448**	**3.4234**	**1.3778**	**0.6861**	**2.0639**	**0.0000**	**3,442.7039**	**3,442.7039**	**0.7222**	**0.0000**	**3,457.2177**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.9602	8.6937	12.5177	0.0268	2.6786	0.3918	3.0704	1.3778	0.3628	1.7406	0.0000	2,363.8261	2,363.8261	0.7222	0.0000	2,381.8811
2022	1.1871	9.8644	15.0611	0.0381	1.4775	0.3289	1.8063	0.4911	0.3104	0.8015	0.0000	3,340.8504	3,340.8504	0.5476	0.0000	3,354.5408
2023	1.3223	9.8252	12.6031	0.0366	1.3763	0.3228	1.6991	0.3713	0.3022	0.6735	0.0000	3,164.8944	3,164.8944	0.4438	0.0000	3,175.9900
2024	1.3992	7.3668	12.7550	0.0347	1.3594	0.2213	1.5807	0.3653	0.2083	0.5736	0.0000	3,031.6111	3,031.6111	0.4006	0.0000	3,041.6263
2025	0.7764	6.0264	8.7379	0.0270	1.1225	0.1529	1.2754	0.3027	0.1436	0.4463	0.0000	2,366.5116	2,366.5116	0.3139	0.0000	2,374.3602
2026	1.0232	4.5331	7.1475	0.0240	1.3449	0.1181	1.4630	0.3611	0.1102	0.4713	0.0000	2,098.6004	2,098.6004	0.2233	0.0000	2,104.1830
2027	0.0844	0.3035	0.5192	1.7800e-003	0.1093	7.7600e-003	0.1170	0.0293	7.2500e-003	0.0365	0.0000	155.8873	155.8873	0.0152	0.0000	156.2677
Maximum	**1.3992**	**9.8644**	**15.0611**	**0.0381**	**2.6786**	**0.3918**	**3.0704**	**1.3778**	**0.3628**	**1.7406**	**0.0000**	**3,340.8504**	**3,340.8504**	**0.7222**	**0.0000**	**3,354.5408**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**23.58**	**32.22**	**-3.15**	**0.00**	**0.00**	**38.80**	**8.16**	**0.00**	**38.90**	**16.24**	**0.00**	**3.84**	**3.84**	**7.41**	**0.00**	**3.85**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**3-1-2021**	**5-31-2021**	4.0432	2.0024
2	**6-1-2021**	**8-31-2021**	6.6243	3.5356
3	**9-1-2021**	**11-30-2021**	6.3685	3.0474
4	**12-1-2021**	**2-28-2022**	3.8234	1.8914

5	**3-1-2022**	**5-31-2022**	4.2551	2.9779
6	**6-1-2022**	**8-31-2022**	4.3662	3.0264
7	**9-1-2022**	**11-30-2022**	4.1710	3.1170
8	**12-1-2022**	**2-28-2023**	3.6659	2.8576
9	**3-1-2023**	**5-31-2023**	3.6772	2.9194
10	**6-1-2023**	**8-31-2023**	3.8095	3.0384
11	**9-1-2023**	**11-30-2023**	3.3985	2.7142
12	**12-1-2023**	**2-29-2024**	2.7928	2.1023
13	**3-1-2024**	**5-31-2024**	3.1139	2.2508
14	**6-1-2024**	**8-31-2024**	3.0167	2.2362
15	**9-1-2024**	**11-30-2024**	3.0591	2.2458
16	**12-1-2024**	**2-28-2025**	2.3981	1.7341
17	**3-1-2025**	**5-31-2025**	2.1625	1.6922
18	**6-1-2025**	**8-31-2025**	2.0433	1.6654
19	**9-1-2025**	**11-30-2025**	2.1599	1.7210
20	**12-1-2025**	**2-28-2026**	2.1896	1.7239
21	**3-1-2026**	**5-31-2026**	2.0230	1.5664
22	**6-1-2026**	**8-31-2026**	1.6381	1.2199
23	**9-1-2026**	**11-30-2026**	1.6368	1.2231
24	**12-1-2026**	**2-28-2027**	1.1149	0.8330
		Highest	6.6243	3.5356

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	11.3564	0.2149	16.4349	0.0104		0.7679	0.7679		0.7679	0.7679	70.6640	47.8368	118.5009	0.1316	4.6300e-003	123.1728
Energy	0.0740	0.6333	0.2735	4.0400e-003		0.0512	0.0512		0.0512	0.0512	0.0000	3,066.0846	3,066.0846	0.1196	0.0353	3,079.5816
Mobile	2.3407	9.0818	25.9230	0.0982	9.1355	0.1040	9.2394	2.4602	0.0972	2.5574	0.0000	9,044.4321	9,044.4321	0.3740	0.0000	9,053.7809
Waste						0.0000	0.0000		0.0000	0.0000	149.0400	0.0000	149.0400	8.8080	0.0000	369.2404
Water						0.0000	0.0000		0.0000	0.0000	32.3514	231.6654	264.0168	3.3333	0.0806	371.3751
Total	**13.7711**	**9.9300**	**42.6314**	**0.1126**	**9.1355**	**0.9230**	**10.0584**	**2.4602**	**0.9162**	**3.3764**	**252.0555**	**12,390.0189**	**12,642.0744**	**12.7664**	**0.1205**	**12,997.1508**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	11.3564	0.2149	16.4349	0.0104		0.7679	0.7679		0.7679	0.7679	70.6640	47.8368	118.5009	0.1316	4.6300e-003	123.1728
Energy	0.0740	0.6333	0.2735	4.0400e-003		0.0512	0.0512		0.0512	0.0512	0.0000	3,066.0846	3,066.0846	0.1196	0.0353	3,079.5816
Mobile	2.3407	9.0818	25.9230	0.0982	9.1355	0.1040	9.2394	2.4602	0.0972	2.5574	0.0000	9,044.4321	9,044.4321	0.3740	0.0000	9,053.7809
Waste						0.0000	0.0000		0.0000	0.0000	149.0400	0.0000	149.0400	8.8080	0.0000	369.2404
Water						0.0000	0.0000		0.0000	0.0000	32.3514	231.6654	264.0168	3.3333	0.0806	371.3751
Total	**13.7711**	**9.9300**	**42.6314**	**0.1126**	**9.1355**	**0.9230**	**10.0584**	**2.4602**	**0.9162**	**3.3764**	**252.0555**	**12,390.0189**	**12,642.0744**	**12.7664**	**0.1205**	**12,997.1508**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Phase 0-Demolition/Excavation/Grading	Grading	3/1/2021	12/31/2021	5	220	11
2	Phase 0-Recycling Plant	Site Preparation	5/1/2021	7/31/2021	5	65	12

3	Phase 0-Utilities/Drainage/Subgrade	Site Preparation	7/1/2021	2/28/2022	5	173	13
4	Phase 0-Roadway Lift	Paving	2/1/2022	2/28/2022	5	20	14
5	Phase 1-C,D,I (HD Equipment Mix)	Building Construction	3/1/2022	9/30/2022	5	154	15
6	Phase 1-E (HD Equipment Mix)	Building Construction	3/1/2022	9/30/2022	5	154	18
7	Phase 1-F (HD Equipment Mix)	Building Construction	3/1/2022	8/31/2022	5	132	21
8	Phase 1-TH (HD Equipment Mix1)	Building Construction	3/1/2022	6/30/2022	5	88	24
9	Phase 1-TH (Compressors/Gradeall)	Building Construction	7/1/2022	1/31/2023	5	153	25
10	Phase 1-F (Electric Cranes Only)	Building Construction	9/1/2022	8/31/2024	5	522	22
11	Phase 1-C,D,I (Electric Cranes Only)	Building Construction	10/1/2022	8/31/2024	5	500	16
12	Phase 1-E (Electric Cranes Only)	Building Construction	10/1/2022	10/31/2023	5	282	19
13	Phase 1-TH Architectural Coatings1	Architectural Coating	10/1/2022	4/30/2023	5	150	31
14	Phase 1-TH (HD Equipment Mix2)	Building Construction	2/1/2023	6/30/2023	5	108	26
15	Phase 1-E Architectural Coatings	Architectural Coating	4/1/2023	10/31/2023	5	152	20
16	Phase 1-TH (No HD Equipment1)	Building Construction	7/1/2023	11/30/2023	5	109	27
17	Phase 1-TH (Gradealls Only)	Building Construction	12/1/2023	5/31/2024	5	131	28
18	Phase 1-F Architectural Coatings	Architectural Coating	1/1/2024	8/31/2024	5	175	23
19	Phase 1-C,D,I Architectural Coatings	Architectural Coating	2/1/2024	8/31/2024	5	152	17
20	Phase 1-TH Architectural Coatings2	Architectural Coating	2/1/2024	8/31/2024	5	152	32
21	Phase 1-TH (Excavator/BobCats Only)	Building Construction	6/1/2024	6/30/2024	5	20	29
22	Phase 1-TH (No HD Equipment2)	Building Construction	7/1/2024	8/31/2024	5	45	30
23	Phase 2-Material Off-Haul (No HD Equipment)	Building Construction	9/1/2024	10/25/2024	6	47	33
24	Phase 2-G,A,H (HD Equipment Mix)	Building Construction	9/1/2024	3/31/2025	5	151	34
25	Phase 2-B (HD Equipment Mix)	Building Construction	9/1/2024	3/31/2025	5	151	37
26	Phase 2-G,A,H (Electric Cranes Only)	Building Construction	4/1/2025	1/31/2027	5	479	35
27	Phase 2-B (Electric Cranes Only)	Building Construction	4/1/2025	4/30/2026	5	283	38

28	Phase 2-B Architectural Coatings	Architectural Coating	10/1/2025	4/30/2026	5	152	39
29	Phase 2-G,A,H Architectural Coatings	Architectural Coating	5/1/2026	1/31/2027	5	196	36

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4

Residential Indoor: 866,700; Residential Outdoor: 288,900; Non-Residential Indoor: 11,250; Non-Residential Outdoor: 3,750; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase 1-TH (Gradealls Only)	Forklifts	3	8.00	89	0.20
Phase 1-TH (Excavator/BobCats Only)	Forklifts	3	8.00	89	0.20
Phase 1-TH (No HD Equipment2)	Forklifts	3	8.00	89	0.20
Phase 2-Material Off-Haul (No HD Equipment)	Forklifts	3	8.00	89	0.20
Phase 2-G,A,H (HD Equipment Mix)	Forklifts	3	8.00	89	0.20
Phase 2-B (HD Equipment Mix)	Forklifts	3	8.00	89	0.20
Phase 2-G,A,H (Electric Cranes Only)	Forklifts	3	8.00	89	0.20
Phase 2-B (Electric Cranes Only)	Forklifts	3	8.00	89	0.20
Phase 1-C,D,I (HD Equipment Mix)	Forklifts	3	8.00	89	0.20
Phase 1-E (HD Equipment Mix)	Forklifts	3	8.00	89	0.20
Phase 1-F (HD Equipment Mix)	Forklifts	3	8.00	89	0.20
Phase 1-TH (HD Equipment Mix1)	Forklifts	3	8.00	89	0.20
Phase 1-TH (Compressors/Gradeall)	Forklifts	3	8.00	89	0.20
Phase 1-F (Electric Cranes Only)	Generator Sets	1	8.00	84	0.74
Phase 1-C,D,I (Electric Cranes Only)	Generator Sets	1	8.00	84	0.74
Phase 1-E (Electric Cranes Only)	Generator Sets	1	8.00	84	0.74

Phase 1-TH (No HD Equipment1)	Generator Sets	1	8.00	84	0.74
Phase 1-TH (Gradealls Only)	Generator Sets	1	8.00	84	0.74
Phase 1-TH (Excavator/BobCats Only)	Generator Sets	1	8.00	84	0.74
Phase 1-TH (No HD Equipment2)	Generator Sets	1	8.00	84	0.74
Phase 2-Material Off-Haul (No HD Equipment)	Generator Sets	1	8.00	84	0.74
Phase 2-G,A,H (Electric Cranes Only)	Generator Sets	1	8.00	84	0.74
Phase 2-B (Electric Cranes Only)	Generator Sets	1	8.00	84	0.74
Phase 1-TH (Compressors/Gradeall)	Generator Sets	1	8.00	84	0.74
Phase 0-Demolition/Excavation/Grading	Rubber Tired Dozers	1	8.00	247	0.40
Phase 0-Recycling Plant	Rubber Tired Dozers	3	8.00	247	0.40
Phase 0-Utilities/Drainage/Subgrade	Rubber Tired Dozers	3	8.00	247	0.40
Phase 0-Demolition/Excavation/Grading	Scrapers	2	8.00	367	0.48
Phase 1-F (Electric Cranes Only)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1-C,D,I (Electric Cranes Only)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1-E (Electric Cranes Only)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1-TH (No HD Equipment1)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1-TH (Gradealls Only)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1-TH (Excavator/BobCats Only)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1-TH (No HD Equipment2)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 2-Material Off-Haul (No HD Equipment)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 2-G,A,H (Electric Cranes Only)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 2-B (Electric Cranes Only)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1-TH (Compressors/Gradeall)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 0-Demolition/Excavation/Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 0-Recycling Plant	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 0-Utilities/Drainage/Subgrade	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 1-F (Electric Cranes Only)	Welders	1	8.00	46	0.45

Phase 1-C,D,I (Electric Cranes Only)	Welders	1	8.00	46	0.45
Phase 1-E (Electric Cranes Only)	Welders	1	8.00	46	0.45
Phase 1-TH (HD Equipment Mix2)	Welders	1	8.00	46	0.45
Phase 1-TH (No HD Equipment1)	Welders	1	8.00	46	0.45
Phase 1-TH (Gradealls Only)	Welders	1	8.00	46	0.45
Phase 1-TH (Excavator/BobCats Only)	Welders	1	8.00	46	0.45
Phase 1-TH (No HD Equipment2)	Welders	1	8.00	46	0.45
Phase 2-Material Off-Haul (No HD Equipment)	Welders	1	8.00	46	0.45
Phase 2-G,A,H (HD Equipment Mix)	Welders	1	8.00	46	0.45
Phase 2-B (HD Equipment Mix)	Welders	1	8.00	46	0.45
Phase 2-G,A,H (Electric Cranes Only)	Welders	1	8.00	46	0.45
Phase 2-B (Electric Cranes Only)	Welders	1	8.00	46	0.45
Phase 1-C,D,I (HD Equipment Mix)	Welders	1	8.00	46	0.45
Phase 1-E (HD Equipment Mix)	Welders	1	8.00	46	0.45
Phase 1-F (HD Equipment Mix)	Welders	1	8.00	46	0.45
Phase 1-TH (HD Equipment Mix1)	Welders	1	8.00	46	0.45
Phase 1-TH (Compressors/Gradeall)	Welders	1	8.00	46	0.45
Phase 0-Demolition/Excavation/Grading	Excavators	2	7.20	325	0.50
Phase 0-Demolition/Excavation/Grading	Other Construction Equipment	1	3.20	350	0.50
Phase 0-Demolition/Excavation/Grading	Graders	1	7.20	330	0.50
Phase 0-Demolition/Excavation/Grading	Plate Compactors	2	7.20	8	0.43
Phase 0-Demolition/Excavation/Grading	Crawler Tractors	1	7.20	400	1.00
Phase 0-Demolition/Excavation/Grading	Crawler Tractors	1	7.20	400	1.00
Phase 0-Recycling Plant	Crushing/Proc. Equipment	1	8.00	350	0.78
Phase 0-Utilities/Drainage/Subgrade	Crawler Tractors	2	6.00	400	1.00
Phase 0-Utilities/Drainage/Subgrade	Excavators	2	8.00	250	0.50
Phase 0-Utilities/Drainage/Subgrade	Plate Compactors	2	6.00	8	0.43

Phase 0-Roadway Lift	Paving Equipment	1	8.00	132	0.36
Phase 0-Roadway Lift	Pavers	1	8.00	130	0.42
Phase 0-Roadway Lift	Rollers	1	8.00	80	0.38
Phase 1-C,D,I (HD Equipment Mix)	Excavators	3	5.74	325	0.50
Phase 1-C,D,I (HD Equipment Mix)	Plate Compactors	3	2.87	8	0.43
Phase 1-C,D,I (HD Equipment Mix)	Skid Steer Loaders	3	7.18	65	0.37
Phase 1-C,D,I (HD Equipment Mix)	Tractors/Loaders/Backhoes	3	4.31	250	0.25
Phase 1-C,D,I (HD Equipment Mix)	Air Compressors	3	10.05	78	0.48
Phase 1-C,D,I (HD Equipment Mix)	Generator Sets	3	10.05	84	0.74
Phase 1-C,D,I (Electric Cranes Only)	Cranes	3	10.05	231	0.29
Phase 1-C,D,I Architectural Coatings	Air Compressors	3	10.05	78	0.48
Phase 1-E (HD Equipment Mix)	Excavators	1	7.26	325	0.50
Phase 1-E (HD Equipment Mix)	Plate Compactors	1	5.45	8	0.43
Phase 1-E (HD Equipment Mix)	Skid Steer Loaders	1	10.89	65	0.37
Phase 1-E (HD Equipment Mix)	Tractors/Loaders/Backhoes	1	3.63	250	0.25
Phase 1-E (HD Equipment Mix)	Air Compressors	1	12.71	78	0.48
Phase 1-E (HD Equipment Mix)	Generator Sets	1	12.71	84	0.74
Phase 1-E (Electric Cranes Only)	Cranes	1	12.71	231	0.29
Phase 1-E Architectural Coatings	Air Compressors	1	12.71	78	0.48
Phase 1-F (HD Equipment Mix)	Excavators	1	3.66	325	0.50
Phase 1-F (HD Equipment Mix)	Plate Compactors	1	2.44	8	0.43
Phase 1-F (HD Equipment Mix)	Skid Steer Loaders	1	6.10	65	0.37
Phase 1-F (HD Equipment Mix)	Tractors/Loaders/Backhoes	1	2.44	250	0.25
Phase 1-F (HD Equipment Mix)	Generator Sets	1	7.33	84	0.74
Phase 1-F (Electric Cranes Only)	Cranes	1	7.33	231	0.29
Phase 1-F Architectural Coatings	Air Compressors	1	7.33	78	0.48
Phase 1-TH (HD Equipment Mix1)	Excavators	1	4.97	325	0.50

Phase 1-TH (HD Equipment Mix1)	Plate Compactors	1	4.97	8	0.43
Phase 1-TH (HD Equipment Mix1)	Skid Steer Loaders	1	4.97	65	0.37
Phase 1-TH (HD Equipment Mix1)	Tractors/Loaders/Backhoes	1	4.97	250	0.25
Phase 1-TH (HD Equipment Mix1)	Air Compressors	1	4.97	78	0.48
Phase 1-TH (HD Equipment Mix1)	Generator Sets	1	4.97	84	0.74
Phase 1-TH (Compressors/Gradeall)	Air Compressors	1	4.26	78	0.48
Phase 1-TH (Compressors/Gradeall)	Rough Terrain Forklifts	4	4.97	100	0.40
Phase 1-TH (HD Equipment Mix2)	Excavators	1	4.97	325	0.50
Phase 1-TH (HD Equipment Mix2)	Plate Compactors	1	3.98	8	0.43
Phase 1-TH (HD Equipment Mix2)	Skid Steer Loaders	1	4.97	65	0.37
Phase 1-TH (HD Equipment Mix2)	Tractors/Loaders/Backhoes	1	3.98	250	0.25
Phase 1-TH (HD Equipment Mix2)	Generator Sets	1	4.97	84	0.74
Phase 1-TH (No HD Equipment1)	Aerial Lifts	1	4.97	63	0.31
Phase 1-TH (Gradealls Only)	Rough Terrain Forklifts	4	4.97	100	0.40
Phase 1-TH (Excavator/BobCats Only)	Excavators	1	4.97	325	0.50
Phase 1-TH (Excavator/BobCats Only)	Skid Steer Loaders	1	4.97	65	0.37
Phase 1-TH (No HD Equipment2)	Aerial Lifts	1	4.97	63	0.31
Phase 1-TH Architectural Coatings1	Air Compressors	1	4.97	78	0.48
Phase 1-TH Architectural Coatings2	Air Compressors	1	4.97	78	0.48
Phase 2-Material Off-Haul (No HD Equipment)	Aerial Lifts	1	8.00	63	0.31
Phase 2-G,A,H (HD Equipment Mix)	Excavators	3	4.25	325	0.50
Phase 2-G,A,H (HD Equipment Mix)	Plate Compactors	3	2.83	8	0.43
Phase 2-G,A,H (HD Equipment Mix)	Skid Steer Loaders	3	7.08	65	0.37
Phase 2-G,A,H (HD Equipment Mix)	Tractors/Loaders/Backhoes	3	2.83	250	0.25
Phase 2-G,A,H (HD Equipment Mix)	Air Compressors	3	8.49	78	0.48
Phase 2-G,A,H (HD Equipment Mix)	Generator Sets	3	9.91	84	0.74
Phase 2-G,A,H (Electric Cranes Only)	Cranes	3	9.91	231	0.29

Phase 2-G,A,H Architectural Coatings	Air Compressors	3	9.91	78	0.48
Phase 2-B (HD Equipment Mix)	Excavators	1	8.84	325	0.50
Phase 2-B (HD Equipment Mix)	Plate Compactors	1	6.63	8	0.43
Phase 2-B (HD Equipment Mix)	Skid Steer Loaders	1	13.26	65	0.37
Phase 2-B (HD Equipment Mix)	Tractors/Loaders/Backhoes	1	4.42	250	0.25
Phase 2-B (HD Equipment Mix)	Air Compressors	1	13.26	78	0.48
Phase 2-B (HD Equipment Mix)	Generator Sets	1	15.47	84	0.74
Phase 2-B (Electric Cranes Only)	Cranes	1	15.47	231	0.29
Phase 2-B Architectural Coatings	Air Compressors	1	15.47	78	0.48
Phase 1-TH (HD Equipment Mix2)	Cranes	1	7.00	231	0.29
Phase 1-TH (No HD Equipment1)	Cranes	1	7.00	231	0.29
Phase 1-TH (Gradealls Only)	Cranes	1	7.00	231	0.29
Phase 1-TH (Excavator/BobCats Only)	Cranes	1	7.00	231	0.29
Phase 1-TH (No HD Equipment2)	Cranes	1	7.00	231	0.29
Phase 2-Material Off-Haul (No HD Equipment)	Cranes	1	7.00	231	0.29
Phase 2-G,A,H (HD Equipment Mix)	Cranes	1	7.00	231	0.29
Phase 2-B (HD Equipment Mix)	Cranes	1	7.00	231	0.29
Phase 1-C,D,I (HD Equipment Mix)	Cranes	1	7.00	231	0.29
Phase 1-E (HD Equipment Mix)	Cranes	1	7.00	231	0.29
Phase 1-F (HD Equipment Mix)	Cranes	1	7.00	231	0.29
Phase 1-TH (HD Equipment Mix1)	Cranes	1	7.00	231	0.29
Phase 1-TH (Compressors/Gradeall)	Cranes	1	7.00	231	0.29
Phase 1-F (Electric Cranes Only)	Forklifts	3	8.00	89	0.20
Phase 1-C,D,I (Electric Cranes Only)	Forklifts	3	8.00	89	0.20
Phase 1-E (Electric Cranes Only)	Forklifts	3	8.00	89	0.20
Phase 1-TH (HD Equipment Mix2)	Forklifts	3	8.00	89	0.20
Phase 1-TH (No HD Equipment1)	Forklifts	3	8.00	89	0.20

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Phase 0-Demolition/Excavation	13	60.00	0.00	34.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 0-Recycling Plant	8	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 0-Utilities/Drainage/Sub	13	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 0-Roadway Lift	3	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-C,D,I (HD Equipment Mix)	23	442.00	108.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-C,D,I (Electric Cranes Only)	11	442.00	108.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-C,D,I Architectural Coatings	3	442.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-E (HD Equipment Mix)	11	282.00	69.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-E (Electric Cranes Only)	9	282.00	69.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-E Architectural Coatings	1	282.00	69.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-F (HD Equipment Mix)	10	136.00	33.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-F (Electric Cranes Only)	9	136.00	33.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-F Architectural Coatings	1	136.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (HD Equipment Mix1)	11	108.00	25.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (Compressors/Gradea	14	108.00	25.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (HD Equipment Mix2)	10	108.00	25.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (No HD Equipment1)	10	108.00	25.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (Gradealls Only)	13	108.00	25.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (Excavator/BobCats O	11	108.00	25.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH (No HD Equipment2)	10	108.00	25.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH Architectural Coatings	1	108.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1-TH Architectural Coatings	1	108.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2-Material Off-Haul (No HD Equipme	10	0.00	0.00	1,500.00	10.80	7.30	22.00	LD_Mix	HDT_Mix	HHDT

Phase 2-G,A,H (HD Equipment Mix)	23	598.00	146.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2-G,A,H (Electric Cranes Only)	11	598.00	146.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2-G,A,H Architectural Coatings	3	598.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2-B (HD Equipment Mix)	11	254.00	62.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2-B (Electric Cranes Only)	9	254.00	62.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2-B Architectural Coatings	1	254.00	0.00	34.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

3.2 Phase 0-Demolition/Excavation/Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7674	0.0000	0.7674	0.3755	0.0000	0.3755	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.9675	10.5582	6.6070	0.0167		0.4281	0.4281		0.3940	0.3940	0.0000	1,466.6816	1,466.6816	0.4730	0.0000	1,478.5065
Total	**0.9675**	**10.5582**	**6.6070**	**0.0167**	**0.7674**	**0.4281**	**1.1955**	**0.3755**	**0.3940**	**0.7694**	**0.0000**	**1,466.6816**	**1,466.6816**	**0.4730**	**0.0000**	**1,478.5065**

3.2 Phase 0-Demolition/Excavation/Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3000e-004	5.4900e-003	1.8000e-003	1.0000e-005	2.9000e-004	2.0000e-005	3.0000e-004	8.0000e-005	2.0000e-005	9.0000e-005	0.0000	1.4917	1.4917	2.7000e-004	0.0000	1.4986
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0188	0.0120	0.1372	5.3000e-004	0.0522	3.9000e-004	0.0526	0.0139	3.6000e-004	0.0142	0.0000	47.7955	47.7955	9.8000e-004	0.0000	47.8199
Total	**0.0189**	**0.0175**	**0.1390**	**5.4000e-004**	**0.0524**	**4.1000e-004**	**0.0529**	**0.0140**	**3.8000e-004**	**0.0143**	**0.0000**	**49.2872**	**49.2872**	**1.2500e-003**	**0.0000**	**49.3185**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7674	0.0000	0.7674	0.3755	0.0000	0.3755	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4975	4.5233	7.7401	0.0167		0.1892	0.1892		0.1756	0.1756	0.0000	1,466.6799	1,466.6799	0.4730	0.0000	1,478.5047
Total	**0.4975**	**4.5233**	**7.7401**	**0.0167**	**0.7674**	**0.1892**	**0.9566**	**0.3755**	**0.1756**	**0.5511**	**0.0000**	**1,466.6799**	**1,466.6799**	**0.4730**	**0.0000**	**1,478.5047**

3.2 Phase 0-Demolition/Excavation/Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3000e-004	5.4900e-003	1.8000e-003	1.0000e-005	2.9000e-004	2.0000e-005	3.0000e-004	8.0000e-005	2.0000e-005	9.0000e-005	0.0000	1.4917	1.4917	2.7000e-004	0.0000	1.4986
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0188	0.0120	0.1372	5.3000e-004	0.0522	3.9000e-004	0.0526	0.0139	3.6000e-004	0.0142	0.0000	47.7955	47.7955	9.8000e-004	0.0000	47.8199
Total	**0.0189**	**0.0175**	**0.1390**	**5.4000e-004**	**0.0524**	**4.1000e-004**	**0.0529**	**0.0140**	**3.8000e-004**	**0.0143**	**0.0000**	**49.2872**	**49.2872**	**1.2500e-003**	**0.0000**	**49.3185**

3.3 Phase 0-Recycling Plant - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5872	0.0000	0.5872	0.3228	0.0000	0.3228	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1683	1.5625	0.8553	2.0200e-003		0.0751	0.0751		0.0697	0.0697	0.0000	189.3420	189.3420	0.0386	0.0000	190.3057
Total	**0.1683**	**1.5625**	**0.8553**	**2.0200e-003**	**0.5872**	**0.0751**	**0.6622**	**0.3228**	**0.0697**	**0.3925**	**0.0000**	**189.3420**	**189.3420**	**0.0386**	**0.0000**	**190.3057**

3.3 Phase 0-Recycling Plant - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5872	0.0000	0.5872	0.3228	0.0000	0.3228	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1319	1.3118	1.0339	2.0200e-003		0.0649	0.0649		0.0598	0.0598	0.0000	189.3417	189.3417	0.0386	0.0000	190.3055
Total	**0.1319**	**1.3118**	**1.0339**	**2.0200e-003**	**0.5872**	**0.0649**	**0.6521**	**0.3228**	**0.0598**	**0.3826**	**0.0000**	**189.3417**	**189.3417**	**0.0386**	**0.0000**	**190.3055**

3.3 Phase 0-Recycling Plant - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Phase 0-Utilities/Drainage/Subgrade - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.2612	0.0000	1.2612	0.6629	0.0000	0.6629	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5058	5.4823	3.1519	7.4000e-003		0.2412	0.2412		0.2220	0.2220	0.0000	648.9590	648.9590	0.2092	0.0000	654.1892
Total	**0.5058**	**5.4823**	**3.1519**	**7.4000e-003**	**1.2612**	**0.2412**	**1.5024**	**0.6629**	**0.2220**	**0.8848**	**0.0000**	**648.9590**	**648.9590**	**0.2092**	**0.0000**	**654.1892**

3.4 Phase 0-Utilities/Drainage/Subgrade - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7600e-003	2.4000e-003	0.0274	1.1000e-004	0.0104	8.0000e-005	0.0105	2.7700e-003	7.0000e-005	2.8500e-003	0.0000	9.5591	9.5591	2.0000e-004	0.0000	9.5640
Total	**3.7600e-003**	**2.4000e-003**	**0.0274**	**1.1000e-004**	**0.0104**	**8.0000e-005**	**0.0105**	**2.7700e-003**	**7.0000e-005**	**2.8500e-003**	**0.0000**	**9.5591**	**9.5591**	**2.0000e-004**	**0.0000**	**9.5640**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.2612	0.0000	1.2612	0.6629	0.0000	0.6629	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3081	2.8387	3.5773	7.4000e-003		0.1372	0.1372		0.1269	0.1269	0.0000	648.9582	648.9582	0.2092	0.0000	654.1884
Total	**0.3081**	**2.8387**	**3.5773**	**7.4000e-003**	**1.2612**	**0.1372**	**1.3984**	**0.6629**	**0.1269**	**0.7897**	**0.0000**	**648.9582**	**648.9582**	**0.2092**	**0.0000**	**654.1884**

3.4 Phase 0-Utilities/Drainage/Subgrade - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7600e-003	2.4000e-003	0.0274	1.1000e-004	0.0104	8.0000e-005	0.0105	2.7700e-003	7.0000e-005	2.8500e-003	0.0000	9.5591	9.5591	2.0000e-004	0.0000	9.5640
Total	**3.7600e-003**	**2.4000e-003**	**0.0274**	**1.1000e-004**	**0.0104**	**8.0000e-005**	**0.0105**	**2.7700e-003**	**7.0000e-005**	**2.8500e-003**	**0.0000**	**9.5591**	**9.5591**	**2.0000e-004**	**0.0000**	**9.5640**

3.4 Phase 0-Utilities/Drainage/Subgrade - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4392	0.0000	0.4392	0.2110	0.0000	0.2110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1348	1.4066	0.9247	2.3000e-003		0.0614	0.0614		0.0565	0.0565	0.0000	201.5842	201.5842	0.0650	0.0000	203.2088
Total	**0.1348**	**1.4066**	**0.9247**	**2.3000e-003**	**0.4392**	**0.0614**	**0.5006**	**0.2110**	**0.0565**	**0.2675**	**0.0000**	**201.5842**	**201.5842**	**0.0650**	**0.0000**	**203.2088**

3.4 Phase 0-Utilities/Drainage/Subgrade - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-003	6.7000e-004	7.9400e-003	3.0000e-005	3.2400e-003	2.0000e-005	3.2600e-003	8.6000e-004	2.0000e-005	8.8000e-004	0.0000	2.8589	2.8589	6.0000e-005	0.0000	2.8603
Total	**1.1000e-003**	**6.7000e-004**	**7.9400e-003**	**3.0000e-005**	**3.2400e-003**	**2.0000e-005**	**3.2600e-003**	**8.6000e-004**	**2.0000e-005**	**8.8000e-004**	**0.0000**	**2.8589**	**2.8589**	**6.0000e-005**	**0.0000**	**2.8603**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4392	0.0000	0.4392	0.2110	0.0000	0.2110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0814	0.7333	1.0816	2.3000e-003		0.0341	0.0341		0.0316	0.0316	0.0000	201.5839	201.5839	0.0650	0.0000	203.2085
Total	**0.0814**	**0.7333**	**1.0816**	**2.3000e-003**	**0.4392**	**0.0341**	**0.4733**	**0.2110**	**0.0316**	**0.2426**	**0.0000**	**201.5839**	**201.5839**	**0.0650**	**0.0000**	**203.2085**

3.4 Phase 0-Utilities/Drainage/Subgrade - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-003	6.7000e-004	7.9400e-003	3.0000e-005	3.2400e-003	2.0000e-005	3.2600e-003	8.6000e-004	2.0000e-005	8.8000e-004	0.0000	2.8589	2.8589	6.0000e-005	0.0000	2.8603
Total	**1.1000e-003**	**6.7000e-004**	**7.9400e-003**	**3.0000e-005**	**3.2400e-003**	**2.0000e-005**	**3.2600e-003**	**8.6000e-004**	**2.0000e-005**	**8.8000e-004**	**0.0000**	**2.8589**	**2.8589**	**6.0000e-005**	**0.0000**	**2.8603**

3.5 Phase 0-Roadway Lift - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.5100e-003	0.0556	0.0729	1.1000e-004		2.8400e-003	2.8400e-003		2.6100e-003	2.6100e-003	0.0000	10.0138	10.0138	3.2400e-003	0.0000	10.0948
Paving	5.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0108**	**0.0556**	**0.0729**	**1.1000e-004**		**2.8400e-003**	**2.8400e-003**		**2.6100e-003**	**2.6100e-003**	**0.0000**	**10.0138**	**10.0138**	**3.2400e-003**	**0.0000**	**10.0948**

3.5 Phase 0-Roadway Lift - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	3.3000e-004	3.8800e-003	2.0000e-005	1.5800e-003	1.0000e-005	1.5900e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3946	1.3946	3.0000e-005	0.0000	1.3952
Total	**5.4000e-004**	**3.3000e-004**	**3.8800e-003**	**2.0000e-005**	**1.5800e-003**	**1.0000e-005**	**1.5900e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.3946**	**1.3946**	**3.0000e-005**	**0.0000**	**1.3952**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.4000e-003	6.0800e-003	0.0865	1.1000e-004		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	10.0138	10.0138	3.2400e-003	0.0000	10.0947
Paving	5.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.6400e-003**	**6.0800e-003**	**0.0865**	**1.1000e-004**		**1.9000e-004**	**1.9000e-004**		**1.9000e-004**	**1.9000e-004**	**0.0000**	**10.0138**	**10.0138**	**3.2400e-003**	**0.0000**	**10.0947**

3.5 Phase 0-Roadway Lift - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	3.3000e-004	3.8800e-003	2.0000e-005	1.5800e-003	1.0000e-005	1.5900e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3946	1.3946	3.0000e-005	0.0000	1.3952
Total	**5.4000e-004**	**3.3000e-004**	**3.8800e-003**	**2.0000e-005**	**1.5800e-003**	**1.0000e-005**	**1.5900e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.3946**	**1.3946**	**3.0000e-005**	**0.0000**	**1.3952**

3.6 Phase 1-C,D,I (HD Equipment Mix) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3518	3.0068	3.2617	7.4400e-003		0.1408	0.1408		0.1359	0.1359	0.0000	643.7298	643.7298	0.1339	0.0000	647.0773
Total	**0.3518**	**3.0068**	**3.2617**	**7.4400e-003**		**0.1408**	**0.1408**		**0.1359**	**0.1359**	**0.0000**	**643.7298**	**643.7298**	**0.1339**	**0.0000**	**647.0773**

3.6 Phase 1-C,D,I (HD Equipment Mix) - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0238	0.9026	0.2856	2.1800e-003	0.0544	1.8900e-003	0.0562	0.0157	1.8100e-003	0.0175	0.0000	224.2664	224.2664	0.0297	0.0000	225.0100
Worker	0.0914	0.0559	0.6594	2.6200e-003	0.2689	2.0000e-003	0.2709	0.0715	1.8400e-003	0.0734	0.0000	237.3141	237.3141	4.5700e-003	0.0000	237.4284
Total	**0.1152**	**0.9585**	**0.9450**	**4.8000e-003**	**0.3233**	**3.8900e-003**	**0.3272**	**0.0873**	**3.6500e-003**	**0.0909**	**0.0000**	**461.5804**	**461.5804**	**0.0343**	**0.0000**	**462.4383**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.6262	3.8632	7.4400e-003		0.0643	0.0643		0.0618	0.0618	0.0000	630.0665	630.0665	0.1295	0.0000	633.3035
Total	**0.1928**	**1.6262**	**3.8632**	**7.4400e-003**		**0.0643**	**0.0643**		**0.0618**	**0.0618**	**0.0000**	**630.0665**	**630.0665**	**0.1295**	**0.0000**	**633.3035**

3.6 Phase 1-C,D,I (HD Equipment Mix) - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0238	0.9026	0.2856	2.1800e-003	0.0544	1.8900e-003	0.0562	0.0157	1.8100e-003	0.0175	0.0000	224.2664	224.2664	0.0297	0.0000	225.0100
Worker	0.0914	0.0559	0.6594	2.6200e-003	0.2689	2.0000e-003	0.2709	0.0715	1.8400e-003	0.0734	0.0000	237.3141	237.3141	4.5700e-003	0.0000	237.4284
Total	**0.1152**	**0.9585**	**0.9450**	**4.8000e-003**	**0.3233**	**3.8900e-003**	**0.3272**	**0.0873**	**3.6500e-003**	**0.0909**	**0.0000**	**461.5804**	**461.5804**	**0.0343**	**0.0000**	**462.4383**

3.7 Phase 1-E (HD Equipment Mix) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1887	1.6199	1.6840	3.6300e-003		0.0778	0.0778		0.0745	0.0745	0.0000	312.9609	312.9609	0.0681	0.0000	314.6627
Total	**0.1887**	**1.6199**	**1.6840**	**3.6300e-003**		**0.0778**	**0.0778**		**0.0745**	**0.0745**	**0.0000**	**312.9609**	**312.9609**	**0.0681**	**0.0000**	**314.6627**

3.7 Phase 1-E (HD Equipment Mix) - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0152	0.5767	0.1825	1.3900e-003	0.0347	1.2100e-003	0.0359	0.0100	1.1600e-003	0.0112	0.0000	143.2813	143.2813	0.0190	0.0000	143.7564
Worker	0.0583	0.0357	0.4207	1.6700e-003	0.1716	1.2800e-003	0.1729	0.0457	1.1800e-003	0.0468	0.0000	151.4085	151.4085	2.9200e-003	0.0000	151.4815
Total	**0.0735**	**0.6123**	**0.6032**	**3.0600e-003**	**0.2063**	**2.4900e-003**	**0.2088**	**0.0557**	**2.3400e-003**	**0.0580**	**0.0000**	**294.6898**	**294.6898**	**0.0219**	**0.0000**	**295.2378**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1153	0.9789	1.9035	3.6300e-003		0.0423	0.0423		0.0403	0.0403	0.0000	299.2979	299.2979	0.0637	0.0000	300.8892
Total	**0.1153**	**0.9789**	**1.9035**	**3.6300e-003**		**0.0423**	**0.0423**		**0.0403**	**0.0403**	**0.0000**	**299.2979**	**299.2979**	**0.0637**	**0.0000**	**300.8892**

3.7 Phase 1-E (HD Equipment Mix) - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0152	0.5767	0.1825	1.3900e-003	0.0347	1.2100e-003	0.0359	0.0100	1.1600e-003	0.0112	0.0000	143.2813	143.2813	0.0190	0.0000	143.7564
Worker	0.0583	0.0357	0.4207	1.6700e-003	0.1716	1.2800e-003	0.1729	0.0457	1.1800e-003	0.0468	0.0000	151.4085	151.4085	2.9200e-003	0.0000	151.4815
Total	**0.0735**	**0.6123**	**0.6032**	**3.0600e-003**	**0.2063**	**2.4900e-003**	**0.2088**	**0.0557**	**2.3400e-003**	**0.0580**	**0.0000**	**294.6898**	**294.6898**	**0.0219**	**0.0000**	**295.2378**

3.8 Phase 1-F (HD Equipment Mix) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1018	0.9091	0.8637	1.8400e-003		0.0434	0.0434		0.0410	0.0410	0.0000	158.6117	158.6117	0.0392	0.0000	159.5918
Total	**0.1018**	**0.9091**	**0.8637**	**1.8400e-003**		**0.0434**	**0.0434**		**0.0410**	**0.0410**	**0.0000**	**158.6117**	**158.6117**	**0.0392**	**0.0000**	**159.5918**

3.8 Phase 1-F (HD Equipment Mix) - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.2300e-003	0.2364	0.0748	5.7000e-004	0.0142	5.0000e-004	0.0147	4.1100e-003	4.7000e-004	4.5900e-003	0.0000	58.7364	58.7364	7.7900e-003	0.0000	58.9312
Worker	0.0241	0.0147	0.1739	6.9000e-004	0.0709	5.3000e-004	0.0715	0.0189	4.9000e-004	0.0194	0.0000	62.5883	62.5883	1.2100e-003	0.0000	62.6185
Total	**0.0303**	**0.2511**	**0.2487**	**1.2600e-003**	**0.0852**	**1.0300e-003**	**0.0862**	**0.0230**	**9.6000e-004**	**0.0239**	**0.0000**	**121.3247**	**121.3247**	**9.0000e-003**	**0.0000**	**121.5497**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0770	0.6642	0.9396	1.8400e-003		0.0309	0.0309		0.0292	0.0292	0.0000	146.9007	146.9007	0.0354	0.0000	147.7861
Total	**0.0770**	**0.6642**	**0.9396**	**1.8400e-003**		**0.0309**	**0.0309**		**0.0292**	**0.0292**	**0.0000**	**146.9007**	**146.9007**	**0.0354**	**0.0000**	**147.7861**

3.8 Phase 1-F (HD Equipment Mix) - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.2300e-003	0.2364	0.0748	5.7000e-004	0.0142	5.0000e-004	0.0147	4.1100e-003	4.7000e-004	4.5900e-003	0.0000	58.7364	58.7364	7.7900e-003	0.0000	58.9312
Worker	0.0241	0.0147	0.1739	6.9000e-004	0.0709	5.3000e-004	0.0715	0.0189	4.9000e-004	0.0194	0.0000	62.5883	62.5883	1.2100e-003	0.0000	62.6185
Total	**0.0303**	**0.2511**	**0.2487**	**1.2600e-003**	**0.0852**	**1.0300e-003**	**0.0862**	**0.0230**	**9.6000e-004**	**0.0239**	**0.0000**	**121.3247**	**121.3247**	**9.0000e-003**	**0.0000**	**121.5497**

3.9 Phase 1-TH (HD Equipment Mix1) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0767	0.6686	0.6285	1.4200e-003		0.0317	0.0317		0.0300	0.0300	0.0000	122.4031	122.4031	0.0310	0.0000	123.1791
Total	**0.0767**	**0.6686**	**0.6285**	**1.4200e-003**		**0.0317**	**0.0317**		**0.0300**	**0.0300**	**0.0000**	**122.4031**	**122.4031**	**0.0310**	**0.0000**	**123.1791**

3.9 Phase 1-TH (HD Equipment Mix1) - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1400e-003	0.1194	0.0378	2.9000e-004	7.1900e-003	2.5000e-004	7.4400e-003	2.0800e-003	2.4000e-004	2.3200e-003	0.0000	29.6649	29.6649	3.9300e-003	0.0000	29.7632
Worker	0.0128	7.8000e-003	0.0921	3.7000e-004	0.0376	2.8000e-004	0.0378	9.9900e-003	2.6000e-004	0.0103	0.0000	33.1350	33.1350	6.4000e-004	0.0000	33.1510
Total	**0.0159**	**0.1272**	**0.1299**	**6.6000e-004**	**0.0447**	**5.3000e-004**	**0.0453**	**0.0121**	**5.0000e-004**	**0.0126**	**0.0000**	**62.7999**	**62.7999**	**4.5700e-003**	**0.0000**	**62.9142**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0533	0.4495	0.7000	1.4200e-003		0.0207	0.0207		0.0195	0.0195	0.0000	114.5957	114.5957	0.0285	0.0000	115.3086
Total	**0.0533**	**0.4495**	**0.7000**	**1.4200e-003**		**0.0207**	**0.0207**		**0.0195**	**0.0195**	**0.0000**	**114.5957**	**114.5957**	**0.0285**	**0.0000**	**115.3086**

3.9 Phase 1-TH (HD Equipment Mix1) - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1400e-003	0.1194	0.0378	2.9000e-004	7.1900e-003	2.5000e-004	7.4400e-003	2.0800e-003	2.4000e-004	2.3200e-003	0.0000	29.6649	29.6649	3.9300e-003	0.0000	29.7632
Worker	0.0128	7.8000e-003	0.0921	3.7000e-004	0.0376	2.8000e-004	0.0378	9.9900e-003	2.6000e-004	0.0103	0.0000	33.1350	33.1350	6.4000e-004	0.0000	33.1510
Total	**0.0159**	**0.1272**	**0.1299**	**6.6000e-004**	**0.0447**	**5.3000e-004**	**0.0453**	**0.0121**	**5.0000e-004**	**0.0126**	**0.0000**	**62.7999**	**62.7999**	**4.5700e-003**	**0.0000**	**62.9142**

3.10 Phase 1-TH (Compressors/Gradeall) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1395	1.3295	1.5290	2.4600e-003		0.0652	0.0652		0.0614	0.0614	0.0000	212.9866	212.9866	0.0531	0.0000	214.3138
Total	**0.1395**	**1.3295**	**1.5290**	**2.4600e-003**		**0.0652**	**0.0652**		**0.0614**	**0.0614**	**0.0000**	**212.9866**	**212.9866**	**0.0531**	**0.0000**	**214.3138**

3.10 Phase 1-TH (Compressors/Gradeall) - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.6800e-003	0.1777	0.0562	4.3000e-004	0.0107	3.7000e-004	0.0111	3.0900e-003	3.6000e-004	3.4500e-003	0.0000	44.1602	44.1602	5.8600e-003	0.0000	44.3066
Worker	0.0190	0.0116	0.1371	5.4000e-004	0.0559	4.2000e-004	0.0563	0.0149	3.8000e-004	0.0153	0.0000	49.3260	49.3260	9.5000e-004	0.0000	49.3497
Total	**0.0237**	**0.1894**	**0.1933**	**9.7000e-004**	**0.0666**	**7.9000e-004**	**0.0674**	**0.0180**	**7.4000e-004**	**0.0187**	**0.0000**	**93.4862**	**93.4862**	**6.8100e-003**	**0.0000**	**93.6563**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0985	0.8243	1.5550	2.4600e-003		0.0427	0.0427		0.0401	0.0401	0.0000	201.3642	201.3642	0.0493	0.0000	202.5974
Total	**0.0985**	**0.8243**	**1.5550**	**2.4600e-003**		**0.0427**	**0.0427**		**0.0401**	**0.0401**	**0.0000**	**201.3642**	**201.3642**	**0.0493**	**0.0000**	**202.5974**

3.10 Phase 1-TH (Compressors/Gradeall) - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.6800e-003	0.1777	0.0562	4.3000e-004	0.0107	3.7000e-004	0.0111	3.0900e-003	3.6000e-004	3.4500e-003	0.0000	44.1602	44.1602	5.8600e-003	0.0000	44.3066
Worker	0.0190	0.0116	0.1371	5.4000e-004	0.0559	4.2000e-004	0.0563	0.0149	3.8000e-004	0.0153	0.0000	49.3260	49.3260	9.5000e-004	0.0000	49.3497
Total	**0.0237**	**0.1894**	**0.1933**	**9.7000e-004**	**0.0666**	**7.9000e-004**	**0.0674**	**0.0180**	**7.4000e-004**	**0.0187**	**0.0000**	**93.4862**	**93.4862**	**6.8100e-003**	**0.0000**	**93.6563**

3.10 Phase 1-TH (Compressors/Gradeall) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0217	0.2067	0.2554	4.1000e-004		9.4800e-003	9.4800e-003		8.9300e-003	8.9300e-003	0.0000	35.7787	35.7787	8.8600e-003	0.0000	36.0003
Total	**0.0217**	**0.2067**	**0.2554**	**4.1000e-004**		**9.4800e-003**	**9.4800e-003**		**8.9300e-003**	**8.9300e-003**	**0.0000**	**35.7787**	**35.7787**	**8.8600e-003**	**0.0000**	**36.0003**

3.10 Phase 1-TH (Compressors/Gradeall) - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3000e-004	0.0247	9.1200e-003	7.0000e-005	1.8000e-003	4.0000e-005	1.8300e-003	5.2000e-004	3.0000e-005	5.5000e-004	0.0000	7.2319	7.2319	9.6000e-004	0.0000	7.2560
Worker	3.0200e-003	1.7700e-003	0.0215	9.0000e-005	9.3900e-003	7.0000e-005	9.4600e-003	2.5000e-003	6.0000e-005	2.5600e-003	0.0000	7.9638	7.9638	1.4000e-004	0.0000	7.9674
Total	**3.6500e-003**	**0.0265**	**0.0306**	**1.6000e-004**	**0.0112**	**1.1000e-004**	**0.0113**	**3.0200e-003**	**9.0000e-005**	**3.1100e-003**	**0.0000**	**15.1957**	**15.1957**	**1.1000e-003**	**0.0000**	**15.2234**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0154	0.1283	0.2601	4.1000e-004		6.2000e-003	6.2000e-003		5.8300e-003	5.8300e-003	0.0000	33.8269	33.8269	8.2300e-003	0.0000	34.0327
Total	**0.0154**	**0.1283**	**0.2601**	**4.1000e-004**		**6.2000e-003**	**6.2000e-003**		**5.8300e-003**	**5.8300e-003**	**0.0000**	**33.8269**	**33.8269**	**8.2300e-003**	**0.0000**	**34.0327**

3.10 Phase 1-TH (Compressors/Gradeall) - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3000e-004	0.0247	9.1200e-003	7.0000e-005	1.8000e-003	4.0000e-005	1.8300e-003	5.2000e-004	3.0000e-005	5.5000e-004	0.0000	7.2319	7.2319	9.6000e-004	0.0000	7.2560
Worker	3.0200e-003	1.7700e-003	0.0215	9.0000e-005	9.3900e-003	7.0000e-005	9.4600e-003	2.5000e-003	6.0000e-005	2.5600e-003	0.0000	7.9638	7.9638	1.4000e-004	0.0000	7.9674
Total	**3.6500e-003**	**0.0265**	**0.0306**	**1.6000e-004**	**0.0112**	**1.1000e-004**	**0.0113**	**3.0200e-003**	**9.0000e-005**	**3.1100e-003**	**0.0000**	**15.1957**	**15.1957**	**1.1000e-003**	**0.0000**	**15.2234**

3.11 Phase 1-F (Electric Cranes Only) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0749	0.6867	0.7152	1.1800e-003		0.0355	0.0355		0.0334	0.0334	0.0000	101.6987	101.6987	0.0244	0.0000	102.3097
Total	**0.0749**	**0.6867**	**0.7152**	**1.1800e-003**		**0.0355**	**0.0355**		**0.0334**	**0.0334**	**0.0000**	**101.6987**	**101.6987**	**0.0244**	**0.0000**	**102.3097**

3.11 Phase 1-F (Electric Cranes Only) - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.1000e-003	0.1558	0.0493	3.8000e-004	9.3800e-003	3.3000e-004	9.7100e-003	2.7100e-003	3.1000e-004	3.0200e-003	0.0000	38.7126	38.7126	5.1300e-003	0.0000	38.8410
Worker	0.0159	9.7200e-003	0.1146	4.6000e-004	0.0468	3.5000e-004	0.0471	0.0124	3.2000e-004	0.0128	0.0000	41.2514	41.2514	7.9000e-004	0.0000	41.2713
Total	**0.0200**	**0.1655**	**0.1639**	**8.4000e-004**	**0.0561**	**6.8000e-004**	**0.0568**	**0.0152**	**6.3000e-004**	**0.0158**	**0.0000**	**79.9640**	**79.9640**	**5.9200e-003**	**0.0000**	**80.1123**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0603	0.5280	0.6957	1.1800e-003		0.0278	0.0278		0.0261	0.0261	0.0000	93.6208	93.6208	0.0218	0.0000	94.1665
Total	**0.0603**	**0.5280**	**0.6957**	**1.1800e-003**		**0.0278**	**0.0278**		**0.0261**	**0.0261**	**0.0000**	**93.6208**	**93.6208**	**0.0218**	**0.0000**	**94.1665**

3.11 Phase 1-F (Electric Cranes Only) - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.1000e-003	0.1558	0.0493	3.8000e-004	9.3800e-003	3.3000e-004	9.7100e-003	2.7100e-003	3.1000e-004	3.0200e-003	0.0000	38.7126	38.7126	5.1300e-003	0.0000	38.8410
Worker	0.0159	9.7200e-003	0.1146	4.6000e-004	0.0468	3.5000e-004	0.0471	0.0124	3.2000e-004	0.0128	0.0000	41.2514	41.2514	7.9000e-004	0.0000	41.2713
Total	**0.0200**	**0.1655**	**0.1639**	**8.4000e-004**	**0.0561**	**6.8000e-004**	**0.0568**	**0.0152**	**6.3000e-004**	**0.0158**	**0.0000**	**79.9640**	**79.9640**	**5.9200e-003**	**0.0000**	**80.1123**

3.11 Phase 1-F (Electric Cranes Only) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2063	1.8902	2.1214	3.5300e-003		0.0918	0.0918		0.0864	0.0864	0.0000	304.0305	304.0305	0.0726	0.0000	305.8443
Total	**0.2063**	**1.8902**	**2.1214**	**3.5300e-003**		**0.0918**	**0.0918**		**0.0864**	**0.0864**	**0.0000**	**304.0305**	**304.0305**	**0.0726**	**0.0000**	**305.8443**

3.11 Phase 1-F (Electric Cranes Only) - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.9000e-003	0.3860	0.1422	1.0900e-003	0.0280	5.5000e-004	0.0286	8.1000e-003	5.3000e-004	8.6300e-003	0.0000	112.8183	112.8183	0.0150	0.0000	113.1932
Worker	0.0449	0.0263	0.3199	1.3100e-003	0.1397	1.0300e-003	0.1407	0.0372	9.5000e-004	0.0381	0.0000	118.5185	118.5185	2.1500e-003	0.0000	118.5723
Total	**0.0548**	**0.4123**	**0.4621**	**2.4000e-003**	**0.1677**	**1.5800e-003**	**0.1693**	**0.0453**	**1.4800e-003**	**0.0467**	**0.0000**	**231.3368**	**231.3368**	**0.0172**	**0.0000**	**231.7655**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1662	1.4570	2.0668	3.5300e-003		0.0716	0.0716		0.0672	0.0672	0.0000	279.8901	279.8901	0.0648	0.0000	281.5087
Total	**0.1662**	**1.4570**	**2.0668**	**3.5300e-003**		**0.0716**	**0.0716**		**0.0672**	**0.0672**	**0.0000**	**279.8901**	**279.8901**	**0.0648**	**0.0000**	**281.5087**

3.11 Phase 1-F (Electric Cranes Only) - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.9000e-003	0.3860	0.1422	1.0900e-003	0.0280	5.5000e-004	0.0286	8.1000e-003	5.3000e-004	8.6300e-003	0.0000	112.8183	112.8183	0.0150	0.0000	113.1932
Worker	0.0449	0.0263	0.3199	1.3100e-003	0.1397	1.0300e-003	0.1407	0.0372	9.5000e-004	0.0381	0.0000	118.5185	118.5185	2.1500e-003	0.0000	118.5723
Total	**0.0548**	**0.4123**	**0.4621**	**2.4000e-003**	**0.1677**	**1.5800e-003**	**0.1693**	**0.0453**	**1.4800e-003**	**0.0467**	**0.0000**	**231.3368**	**231.3368**	**0.0172**	**0.0000**	**231.7655**

3.11 Phase 1-F (Electric Cranes Only) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1299	1.1888	1.4209	2.3800e-003		0.0542	0.0542		0.0510	0.0510	0.0000	204.6747	204.6747	0.0486	0.0000	205.8886
Total	**0.1299**	**1.1888**	**1.4209**	**2.3800e-003**		**0.0542**	**0.0542**		**0.0510**	**0.0510**	**0.0000**	**204.6747**	**204.6747**	**0.0486**	**0.0000**	**205.8886**

3.11 Phase 1-F (Electric Cranes Only) - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3700e-003	0.2534	0.0948	7.2000e-004	0.0189	3.6000e-004	0.0192	5.4500e-003	3.4000e-004	5.8000e-003	0.0000	75.2309	75.2309	0.0101	0.0000	75.4829
Worker	0.0288	0.0161	0.2017	8.5000e-004	0.0940	6.8000e-004	0.0947	0.0250	6.3000e-004	0.0257	0.0000	76.5962	76.5962	1.3200e-003	0.0000	76.6291
Total	**0.0351**	**0.2696**	**0.2965**	**1.5700e-003**	**0.1129**	**1.0400e-003**	**0.1140**	**0.0305**	**9.7000e-004**	**0.0315**	**0.0000**	**151.8271**	**151.8271**	**0.0114**	**0.0000**	**152.1120**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1049	0.9187	1.3861	2.3800e-003		0.0422	0.0422		0.0396	0.0396	0.0000	188.4267	188.4267	0.0433	0.0000	189.5092
Total	**0.1049**	**0.9187**	**1.3861**	**2.3800e-003**		**0.0422**	**0.0422**		**0.0396**	**0.0396**	**0.0000**	**188.4267**	**188.4267**	**0.0433**	**0.0000**	**189.5092**

3.11 Phase 1-F (Electric Cranes Only) - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3700e-003	0.2534	0.0948	7.2000e-004	0.0189	3.6000e-004	0.0192	5.4500e-003	3.4000e-004	5.8000e-003	0.0000	75.2309	75.2309	0.0101	0.0000	75.4829
Worker	0.0288	0.0161	0.2017	8.5000e-004	0.0940	6.8000e-004	0.0947	0.0250	6.3000e-004	0.0257	0.0000	76.5962	76.5962	1.3200e-003	0.0000	76.6291
Total	**0.0351**	**0.2696**	**0.2965**	**1.5700e-003**	**0.1129**	**1.0400e-003**	**0.1140**	**0.0305**	**9.7000e-004**	**0.0315**	**0.0000**	**151.8271**	**151.8271**	**0.0114**	**0.0000**	**152.1120**

3.12 Phase 1-C,D,I (Electric Cranes Only) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0905	0.9010	0.7098	1.4200e-003		0.0426	0.0426		0.0398	0.0398	0.0000	122.9878	122.9878	0.0335	0.0000	123.8244
Total	**0.0905**	**0.9010**	**0.7098**	**1.4200e-003**		**0.0426**	**0.0426**		**0.0398**	**0.0398**	**0.0000**	**122.9878**	**122.9878**	**0.0335**	**0.0000**	**123.8244**

3.12 Phase 1-C,D,I (Electric Cranes Only) - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0100	0.3810	0.1205	9.2000e-004	0.0229	8.0000e-004	0.0237	6.6300e-003	7.6000e-004	7.3900e-003	0.0000	94.6579	94.6579	0.0126	0.0000	94.9717
Worker	0.0386	0.0236	0.2783	1.1100e-003	0.1135	8.5000e-004	0.1144	0.0302	7.8000e-004	0.0310	0.0000	100.1650	100.1650	1.9300e-003	0.0000	100.2133
Total	**0.0486**	**0.4046**	**0.3989**	**2.0300e-003**	**0.1365**	**1.6500e-003**	**0.1381**	**0.0368**	**1.5400e-003**	**0.0384**	**0.0000**	**194.8229**	**194.8229**	**0.0145**	**0.0000**	**195.1850**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0658	0.6273	0.6250	1.4200e-003		0.0304	0.0304		0.0284	0.0284	0.0000	98.1502	98.1502	0.0254	0.0000	98.7859
Total	**0.0658**	**0.6273**	**0.6250**	**1.4200e-003**		**0.0304**	**0.0304**		**0.0284**	**0.0284**	**0.0000**	**98.1502**	**98.1502**	**0.0254**	**0.0000**	**98.7859**

3.12 Phase 1-C,D,I (Electric Cranes Only) - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0100	0.3810	0.1205	9.2000e-004	0.0229	8.0000e-004	0.0237	6.6300e-003	7.6000e-004	7.3900e-003	0.0000	94.6579	94.6579	0.0126	0.0000	94.9717
Worker	0.0386	0.0236	0.2783	1.1100e-003	0.1135	8.5000e-004	0.1144	0.0302	7.8000e-004	0.0310	0.0000	100.1650	100.1650	1.9300e-003	0.0000	100.2133
Total	**0.0486**	**0.4046**	**0.3989**	**2.0300e-003**	**0.1365**	**1.6500e-003**	**0.1381**	**0.0368**	**1.5400e-003**	**0.0384**	**0.0000**	**194.8229**	**194.8229**	**0.0145**	**0.0000**	**195.1850**

3.12 Phase 1-C,D,I (Electric Cranes Only) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3367	3.3054	2.8018	5.6700e-003		0.1509	0.1509		0.1407	0.1407	0.0000	492.0509	492.0509	0.1334	0.0000	495.3850
Total	**0.3367**	**3.3054**	**2.8018**	**5.6700e-003**		**0.1509**	**0.1509**		**0.1407**	**0.1407**	**0.0000**	**492.0509**	**492.0509**	**0.1334**	**0.0000**	**495.3850**

3.12 Phase 1-C,D,I (Electric Cranes Only) - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0324	1.2633	0.4654	3.5600e-003	0.0918	1.8100e-003	0.0936	0.0265	1.7400e-003	0.0283	0.0000	369.2234	369.2234	0.0491	0.0000	370.4503
Worker	0.1460	0.0856	1.0396	4.2500e-003	0.4540	3.3400e-003	0.4574	0.1208	3.0800e-003	0.1239	0.0000	385.1852	385.1852	7.0000e-003	0.0000	385.3601
Total	**0.1784**	**1.3488**	**1.5050**	**7.8100e-003**	**0.5458**	**5.1500e-003**	**0.5510**	**0.1473**	**4.8200e-003**	**0.1521**	**0.0000**	**754.4086**	**754.4086**	**0.0561**	**0.0000**	**755.8104**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2444	2.3061	2.4750	5.6700e-003		0.1071	0.1071		0.0998	0.0998	0.0000	392.7022	392.7022	0.1012	0.0000	395.2330
Total	**0.2444**	**2.3061**	**2.4750**	**5.6700e-003**		**0.1071**	**0.1071**		**0.0998**	**0.0998**	**0.0000**	**392.7022**	**392.7022**	**0.1012**	**0.0000**	**395.2330**

3.12 Phase 1-C,D,I (Electric Cranes Only) - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0324	1.2633	0.4654	3.5600e-003	0.0918	1.8100e-003	0.0936	0.0265	1.7400e-003	0.0283	0.0000	369.2234	369.2234	0.0491	0.0000	370.4503
Worker	0.1460	0.0856	1.0396	4.2500e-003	0.4540	3.3400e-003	0.4574	0.1208	3.0800e-003	0.1239	0.0000	385.1852	385.1852	7.0000e-003	0.0000	385.3601
Total	**0.1784**	**1.3488**	**1.5050**	**7.8100e-003**	**0.5458**	**5.1500e-003**	**0.5510**	**0.1473**	**4.8200e-003**	**0.1521**	**0.0000**	**754.4086**	**754.4086**	**0.0561**	**0.0000**	**755.8104**

3.12 Phase 1-C,D,I (Electric Cranes Only) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2128	2.0636	1.8640	3.8200e-003		0.0906	0.0906		0.0844	0.0844	0.0000	331.2242	331.2242	0.0895	0.0000	333.4613
Total	**0.2128**	**2.0636**	**1.8640**	**3.8200e-003**		**0.0906**	**0.0906**		**0.0844**	**0.0844**	**0.0000**	**331.2242**	**331.2242**	**0.0895**	**0.0000**	**333.4613**

3.12 Phase 1-C,D,I (Electric Cranes Only) - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0208	0.8294	0.3101	2.3700e-003	0.0618	1.1700e-003	0.0629	0.0179	1.1200e-003	0.0190	0.0000	246.2103	246.2103	0.0330	0.0000	247.0350
Worker	0.0934	0.0524	0.6557	2.7500e-003	0.3056	2.2300e-003	0.3078	0.0813	2.0500e-003	0.0834	0.0000	248.9377	248.9377	4.2800e-003	0.0000	249.0446
Total	**0.1143**	**0.8818**	**0.9658**	**5.1200e-003**	**0.3674**	**3.4000e-003**	**0.3708**	**0.0992**	**3.1700e-003**	**0.1023**	**0.0000**	**495.1480**	**495.1480**	**0.0373**	**0.0000**	**496.0796**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1545	1.4436	1.6519	3.8200e-003		0.0641	0.0641		0.0597	0.0597	0.0000	264.3563	264.3563	0.0679	0.0000	266.0528
Total	**0.1545**	**1.4436**	**1.6519**	**3.8200e-003**		**0.0641**	**0.0641**		**0.0597**	**0.0597**	**0.0000**	**264.3563**	**264.3563**	**0.0679**	**0.0000**	**266.0528**

3.12 Phase 1-C,D,I (Electric Cranes Only) - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0208	0.8294	0.3101	2.3700e-003	0.0618	1.1700e-003	0.0629	0.0179	1.1200e-003	0.0190	0.0000	246.2103	246.2103	0.0330	0.0000	247.0350
Worker	0.0934	0.0524	0.6557	2.7500e-003	0.3056	2.2300e-003	0.3078	0.0813	2.0500e-003	0.0834	0.0000	248.9377	248.9377	4.2800e-003	0.0000	249.0446
Total	**0.1143**	**0.8818**	**0.9658**	**5.1200e-003**	**0.3674**	**3.4000e-003**	**0.3708**	**0.0992**	**3.1700e-003**	**0.1023**	**0.0000**	**495.1480**	**495.1480**	**0.0373**	**0.0000**	**496.0796**

3.13 Phase 1-E (Electric Cranes Only) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0641	0.6046	0.5757	1.0100e-003		0.0303	0.0303		0.0285	0.0285	0.0000	87.0700	87.0700	0.0219	0.0000	87.6161
Total	**0.0641**	**0.6046**	**0.5757**	**1.0100e-003**		**0.0303**	**0.0303**		**0.0285**	**0.0285**	**0.0000**	**87.0700**	**87.0700**	**0.0219**	**0.0000**	**87.6161**

3.13 Phase 1-E (Electric Cranes Only) - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.4100e-003	0.2434	0.0770	5.9000e-004	0.0147	5.1000e-004	0.0152	4.2400e-003	4.9000e-004	4.7200e-003	0.0000	60.4759	60.4759	8.0200e-003	0.0000	60.6764
Worker	0.0246	0.0151	0.1776	7.1000e-004	0.0724	5.4000e-004	0.0730	0.0193	5.0000e-004	0.0198	0.0000	63.9062	63.9062	1.2300e-003	0.0000	63.9370
Total	**0.0310**	**0.2585**	**0.2546**	**1.3000e-003**	**0.0871**	**1.0500e-003**	**0.0881**	**0.0235**	**9.9000e-004**	**0.0245**	**0.0000**	**124.3821**	**124.3821**	**9.2500e-003**	**0.0000**	**124.6134**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0500	0.4494	0.5446	1.0100e-003		0.0230	0.0230		0.0216	0.0216	0.0000	76.5995	76.5995	0.0185	0.0000	77.0610
Total	**0.0500**	**0.4494**	**0.5446**	**1.0100e-003**		**0.0230**	**0.0230**		**0.0216**	**0.0216**	**0.0000**	**76.5995**	**76.5995**	**0.0185**	**0.0000**	**77.0610**

3.13 Phase 1-E (Electric Cranes Only) - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.4100e-003	0.2434	0.0770	5.9000e-004	0.0147	5.1000e-004	0.0152	4.2400e-003	4.9000e-004	4.7200e-003	0.0000	60.4759	60.4759	8.0200e-003	0.0000	60.6764
Worker	0.0246	0.0151	0.1776	7.1000e-004	0.0724	5.4000e-004	0.0730	0.0193	5.0000e-004	0.0198	0.0000	63.9062	63.9062	1.2300e-003	0.0000	63.9370
Total	**0.0310**	**0.2585**	**0.2546**	**1.3000e-003**	**0.0871**	**1.0500e-003**	**0.0881**	**0.0235**	**9.9000e-004**	**0.0245**	**0.0000**	**124.3821**	**124.3821**	**9.2500e-003**	**0.0000**	**124.6134**

3.13 Phase 1-E (Electric Cranes Only) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1979	1.8562	1.9045	3.3700e-003		0.0883	0.0883		0.0828	0.0828	0.0000	290.7653	290.7653	0.0725	0.0000	292.5784
Total	**0.1979**	**1.8562**	**1.9045**	**3.3700e-003**		**0.0883**	**0.0883**		**0.0828**	**0.0828**	**0.0000**	**290.7653**	**290.7653**	**0.0725**	**0.0000**	**292.5784**

3.13 Phase 1-E (Electric Cranes Only) - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0173	0.6736	0.2482	1.9000e-003	0.0489	9.7000e-004	0.0499	0.0141	9.3000e-004	0.0151	0.0000	196.8797	196.8797	0.0262	0.0000	197.5339
Worker	0.0778	0.0456	0.5536	2.2700e-003	0.2418	1.7800e-003	0.2436	0.0643	1.6400e-003	0.0660	0.0000	205.1081	205.1081	3.7300e-003	0.0000	205.2012
Total	**0.0950**	**0.7192**	**0.8018**	**4.1700e-003**	**0.2907**	**2.7500e-003**	**0.2935**	**0.0785**	**2.5700e-003**	**0.0810**	**0.0000**	**401.9878**	**401.9878**	**0.0299**	**0.0000**	**402.7352**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1541	1.3832	1.8054	3.3700e-003		0.0668	0.0668		0.0625	0.0625	0.0000	255.8106	255.8106	0.0612	0.0000	257.3411
Total	**0.1541**	**1.3832**	**1.8054**	**3.3700e-003**		**0.0668**	**0.0668**		**0.0625**	**0.0625**	**0.0000**	**255.8106**	**255.8106**	**0.0612**	**0.0000**	**257.3411**

3.13 Phase 1-E (Electric Cranes Only) - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0173	0.6736	0.2482	1.9000e-003	0.0489	9.7000e-004	0.0499	0.0141	9.3000e-004	0.0151	0.0000	196.8797	196.8797	0.0262	0.0000	197.5339
Worker	0.0778	0.0456	0.5536	2.2700e-003	0.2418	1.7800e-003	0.2436	0.0643	1.6400e-003	0.0660	0.0000	205.1081	205.1081	3.7300e-003	0.0000	205.2012
Total	**0.0950**	**0.7192**	**0.8018**	**4.1700e-003**	**0.2907**	**2.7500e-003**	**0.2935**	**0.0785**	**2.5700e-003**	**0.0810**	**0.0000**	**401.9878**	**401.9878**	**0.0299**	**0.0000**	**402.7352**

3.14 Phase 1-TH Architectural Coatings1 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0163					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5100e-003	0.0380	0.0489	8.0000e-005		2.2000e-003	2.2000e-003		2.2000e-003	2.2000e-003	0.0000	6.8792	6.8792	4.5000e-004	0.0000	6.8904
Total	**0.0218**	**0.0380**	**0.0489**	**8.0000e-005**		**2.2000e-003**	**2.2000e-003**		**2.2000e-003**	**2.2000e-003**	**0.0000**	**6.8792**	**6.8792**	**4.5000e-004**	**0.0000**	**6.8904**

3.14 Phase 1-TH Architectural Coatings1 - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.4200e-003	5.7600e-003	0.0680	2.7000e-004	0.0277	2.1000e-004	0.0279	7.3800e-003	1.9000e-004	7.5700e-003	0.0000	24.4747	24.4747	4.7000e-004	0.0000	24.4865
Total	**9.4200e-003**	**5.7600e-003**	**0.0680**	**2.7000e-004**	**0.0277**	**2.1000e-004**	**0.0279**	**7.3800e-003**	**1.9000e-004**	**7.5700e-003**	**0.0000**	**24.4747**	**24.4747**	**4.7000e-004**	**0.0000**	**24.4865**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0163					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.0000e-004	3.4700e-003	0.0494	8.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	6.8792	6.8792	4.5000e-004	0.0000	6.8904
Total	**0.0171**	**3.4700e-003**	**0.0494**	**8.0000e-005**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**	**0.0000**	**6.8792**	**6.8792**	**4.5000e-004**	**0.0000**	**6.8904**

3.14 Phase 1-TH Architectural Coatings1 - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.4200e-003	5.7600e-003	0.0680	2.7000e-004	0.0277	2.1000e-004	0.0279	7.3800e-003	1.9000e-004	7.5700e-003	0.0000	24.4747	24.4747	4.7000e-004	0.0000	24.4865
Total	**9.4200e-003**	**5.7600e-003**	**0.0680**	**2.7000e-004**	**0.0277**	**2.1000e-004**	**0.0279**	**7.3800e-003**	**1.9000e-004**	**7.5700e-003**	**0.0000**	**24.4747**	**24.4747**	**4.7000e-004**	**0.0000**	**24.4865**

3.14 Phase 1-TH Architectural Coatings1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0213					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7500e-003	0.0459	0.0638	1.0000e-004		2.5000e-003	2.5000e-003		2.5000e-003	2.5000e-003	0.0000	8.9959	8.9959	5.4000e-004	0.0000	9.0094
Total	**0.0280**	**0.0459**	**0.0638**	**1.0000e-004**		**2.5000e-003**	**2.5000e-003**		**2.5000e-003**	**2.5000e-003**	**0.0000**	**8.9959**	**8.9959**	**5.4000e-004**	**0.0000**	**9.0094**

3.14 Phase 1-TH Architectural Coatings1 - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0117	6.8300e-003	0.0831	3.4000e-004	0.0363	2.7000e-004	0.0365	9.6500e-003	2.5000e-004	9.8900e-003	0.0000	30.7692	30.7692	5.6000e-004	0.0000	30.7832
Total	**0.0117**	**6.8300e-003**	**0.0831**	**3.4000e-004**	**0.0363**	**2.7000e-004**	**0.0365**	**9.6500e-003**	**2.5000e-004**	**9.8900e-003**	**0.0000**	**30.7692**	**30.7692**	**5.6000e-004**	**0.0000**	**30.7832**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0213					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0500e-003	4.5400e-003	0.0646	1.0000e-004		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	8.9959	8.9959	5.4000e-004	0.0000	9.0094
Total	**0.0223**	**4.5400e-003**	**0.0646**	**1.0000e-004**		**1.4000e-004**	**1.4000e-004**		**1.4000e-004**	**1.4000e-004**	**0.0000**	**8.9959**	**8.9959**	**5.4000e-004**	**0.0000**	**9.0094**

3.14 Phase 1-TH Architectural Coatings1 - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0117	6.8300e-003	0.0831	3.4000e-004	0.0363	2.7000e-004	0.0365	9.6500e-003	2.5000e-004	9.8900e-003	0.0000	30.7692	30.7692	5.6000e-004	0.0000	30.7832
Total	**0.0117**	**6.8300e-003**	**0.0831**	**3.4000e-004**	**0.0363**	**2.7000e-004**	**0.0365**	**9.6500e-003**	**2.5000e-004**	**9.8900e-003**	**0.0000**	**30.7692**	**30.7692**	**5.6000e-004**	**0.0000**	**30.7832**

3.15 Phase 1-TH (HD Equipment Mix2) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0772	0.6724	0.6732	1.5700e-003		0.0303	0.0303		0.0285	0.0285	0.0000	135.4330	135.4330	0.0361	0.0000	136.3364
Total	**0.0772**	**0.6724**	**0.6732**	**1.5700e-003**		**0.0303**	**0.0303**		**0.0285**	**0.0285**	**0.0000**	**135.4330**	**135.4330**	**0.0361**	**0.0000**	**136.3364**

3.15 Phase 1-TH (HD Equipment Mix2) - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1100e-003	0.1215	0.0448	3.4000e-004	8.8200e-003	1.7000e-004	9.0000e-003	2.5500e-003	1.7000e-004	2.7200e-003	0.0000	35.5023	35.5023	4.7200e-003	0.0000	35.6202
Worker	0.0148	8.6800e-003	0.1055	4.3000e-004	0.0461	3.4000e-004	0.0464	0.0123	3.1000e-004	0.0126	0.0000	39.0950	39.0950	7.1000e-004	0.0000	39.1128
Total	**0.0179**	**0.1302**	**0.1503**	**7.7000e-004**	**0.0549**	**5.1000e-004**	**0.0554**	**0.0148**	**4.8000e-004**	**0.0153**	**0.0000**	**74.5973**	**74.5973**	**5.4300e-003**	**0.0000**	**74.7330**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0584	0.4939	0.7624	1.5700e-003		0.0217	0.0217		0.0205	0.0205	0.0000	125.8514	125.8514	0.0330	0.0000	126.6774
Total	**0.0584**	**0.4939**	**0.7624**	**1.5700e-003**		**0.0217**	**0.0217**		**0.0205**	**0.0205**	**0.0000**	**125.8514**	**125.8514**	**0.0330**	**0.0000**	**126.6774**

3.15 Phase 1-TH (HD Equipment Mix2) - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1100e-003	0.1215	0.0448	3.4000e-004	8.8200e-003	1.7000e-004	9.0000e-003	2.5500e-003	1.7000e-004	2.7200e-003	0.0000	35.5023	35.5023	4.7200e-003	0.0000	35.6202
Worker	0.0148	8.6800e-003	0.1055	4.3000e-004	0.0461	3.4000e-004	0.0464	0.0123	3.1000e-004	0.0126	0.0000	39.0950	39.0950	7.1000e-004	0.0000	39.1128
Total	**0.0179**	**0.1302**	**0.1503**	**7.7000e-004**	**0.0549**	**5.1000e-004**	**0.0554**	**0.0148**	**4.8000e-004**	**0.0153**	**0.0000**	**74.5973**	**74.5973**	**5.4300e-003**	**0.0000**	**74.7330**

3.16 Phase 1-E Architectural Coatings - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1233					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0309	0.2098	0.2916	4.8000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	41.1046	41.1046	2.4600e-003	0.0000	41.1661
Total	**0.1541**	**0.2098**	**0.2916**	**4.8000e-004**		**0.0114**	**0.0114**		**0.0114**	**0.0114**	**0.0000**	**41.1046**	**41.1046**	**2.4600e-003**	**0.0000**	**41.1661**

3.16 Phase 1-E Architectural Coatings - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0121	0.4718	0.1738	1.3300e-003	0.0343	6.8000e-004	0.0350	9.9100e-003	6.5000e-004	0.0106	0.0000	137.9065	137.9065	0.0183	0.0000	138.3648
Worker	0.0545	0.0319	0.3878	1.5900e-003	0.1694	1.2500e-003	0.1706	0.0451	1.1500e-003	0.0462	0.0000	143.6702	143.6702	2.6100e-003	0.0000	143.7354
Total	**0.0666**	**0.5038**	**0.5616**	**2.9200e-003**	**0.2036**	**1.9300e-003**	**0.2056**	**0.0550**	**1.8000e-003**	**0.0568**	**0.0000**	**281.5767**	**281.5767**	**0.0209**	**0.0000**	**282.1002**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1233					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.7800e-003	0.0207	0.2950	4.8000e-004		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	41.1046	41.1046	2.4600e-003	0.0000	41.1661
Total	**0.1281**	**0.0207**	**0.2950**	**4.8000e-004**		**6.4000e-004**	**6.4000e-004**		**6.4000e-004**	**6.4000e-004**	**0.0000**	**41.1046**	**41.1046**	**2.4600e-003**	**0.0000**	**41.1661**

3.16 Phase 1-E Architectural Coatings - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0121	0.4718	0.1738	1.3300e-003	0.0343	6.8000e-004	0.0350	9.9100e-003	6.5000e-004	0.0106	0.0000	137.9065	137.9065	0.0183	0.0000	138.3648
Worker	0.0545	0.0319	0.3878	1.5900e-003	0.1694	1.2500e-003	0.1706	0.0451	1.1500e-003	0.0462	0.0000	143.6702	143.6702	2.6100e-003	0.0000	143.7354
Total	**0.0666**	**0.5038**	**0.5616**	**2.9200e-003**	**0.2036**	**1.9300e-003**	**0.2056**	**0.0550**	**1.8000e-003**	**0.0568**	**0.0000**	**281.5767**	**281.5767**	**0.0209**	**0.0000**	**282.1002**

3.17 Phase 1-TH (No HD Equipment1) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0869	0.8021	0.9223	1.5300e-003		0.0385	0.0385		0.0362	0.0362	0.0000	131.3327	131.3327	0.0317	0.0000	132.1244
Total	**0.0869**	**0.8021**	**0.9223**	**1.5300e-003**		**0.0385**	**0.0385**		**0.0362**	**0.0362**	**0.0000**	**131.3327**	**131.3327**	**0.0317**	**0.0000**	**132.1244**

3.17 Phase 1-TH (No HD Equipment1) - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1400e-003	0.1226	0.0452	3.5000e-004	8.9100e-003	1.8000e-004	9.0800e-003	2.5700e-003	1.7000e-004	2.7400e-003	0.0000	35.8310	35.8310	4.7600e-003	0.0000	35.9500
Worker	0.0150	8.7600e-003	0.1065	4.4000e-004	0.0465	3.4000e-004	0.0469	0.0124	3.2000e-004	0.0127	0.0000	39.4570	39.4570	7.2000e-004	0.0000	39.4749
Total	**0.0181**	**0.1314**	**0.1517**	**7.9000e-004**	**0.0554**	**5.2000e-004**	**0.0559**	**0.0149**	**4.9000e-004**	**0.0154**	**0.0000**	**75.2880**	**75.2880**	**5.4800e-003**	**0.0000**	**75.4250**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0692	0.6057	0.8640	1.5300e-003		0.0298	0.0298		0.0280	0.0280	0.0000	116.6633	116.6633	0.0269	0.0000	117.3365
Total	**0.0692**	**0.6057**	**0.8640**	**1.5300e-003**		**0.0298**	**0.0298**		**0.0280**	**0.0280**	**0.0000**	**116.6633**	**116.6633**	**0.0269**	**0.0000**	**117.3365**

3.17 Phase 1-TH (No HD Equipment1) - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1400e-003	0.1226	0.0452	3.5000e-004	8.9100e-003	1.8000e-004	9.0800e-003	2.5700e-003	1.7000e-004	2.7400e-003	0.0000	35.8310	35.8310	4.7600e-003	0.0000	35.9500
Worker	0.0150	8.7600e-003	0.1065	4.4000e-004	0.0465	3.4000e-004	0.0469	0.0124	3.2000e-004	0.0127	0.0000	39.4570	39.4570	7.2000e-004	0.0000	39.4749
Total	**0.0181**	**0.1314**	**0.1517**	**7.9000e-004**	**0.0554**	**5.2000e-004**	**0.0559**	**0.0149**	**4.9000e-004**	**0.0154**	**0.0000**	**75.2880**	**75.2880**	**5.4800e-003**	**0.0000**	**75.4250**

3.18 Phase 1-TH (Gradealls Only) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0193	0.1876	0.2303	3.7000e-004		8.5200e-003	8.5200e-003		7.9900e-003	7.9900e-003	0.0000	32.2474	32.2474	8.3500e-003	0.0000	32.4561
Total	**0.0193**	**0.1876**	**0.2303**	**3.7000e-004**		**8.5200e-003**	**8.5200e-003**		**7.9900e-003**	**7.9900e-003**	**0.0000**	**32.2474**	**32.2474**	**8.3500e-003**	**0.0000**	**32.4561**

3.18 Phase 1-TH (Gradealls Only) - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1000e-004	0.0236	8.7000e-003	7.0000e-005	1.7200e-003	3.0000e-005	1.7500e-003	5.0000e-004	3.0000e-005	5.3000e-004	0.0000	6.9032	6.9032	9.2000e-004	0.0000	6.9262
Worker	2.8800e-003	1.6900e-003	0.0205	8.0000e-005	8.9600e-003	7.0000e-005	9.0300e-003	2.3800e-003	6.0000e-005	2.4400e-003	0.0000	7.6018	7.6018	1.4000e-004	0.0000	7.6053
Total	**3.4900e-003**	**0.0253**	**0.0292**	**1.5000e-004**	**0.0107**	**1.0000e-004**	**0.0108**	**2.8800e-003**	**9.0000e-005**	**2.9700e-003**	**0.0000**	**14.5050**	**14.5050**	**1.0600e-003**	**0.0000**	**14.5314**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0144	0.1215	0.2346	3.7000e-004		5.8900e-003	5.8900e-003		5.5400e-003	5.5400e-003	0.0000	30.3843	30.3843	7.7500e-003	0.0000	30.5779
Total	**0.0144**	**0.1215**	**0.2346**	**3.7000e-004**		**5.8900e-003**	**5.8900e-003**		**5.5400e-003**	**5.5400e-003**	**0.0000**	**30.3843**	**30.3843**	**7.7500e-003**	**0.0000**	**30.5779**

3.18 Phase 1-TH (Gradealls Only) - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1000e-004	0.0236	8.7000e-003	7.0000e-005	1.7200e-003	3.0000e-005	1.7500e-003	5.0000e-004	3.0000e-005	5.3000e-004	0.0000	6.9032	6.9032	9.2000e-004	0.0000	6.9262
Worker	2.8800e-003	1.6900e-003	0.0205	8.0000e-005	8.9600e-003	7.0000e-005	9.0300e-003	2.3800e-003	6.0000e-005	2.4400e-003	0.0000	7.6018	7.6018	1.4000e-004	0.0000	7.6053
Total	**3.4900e-003**	**0.0253**	**0.0292**	**1.5000e-004**	**0.0107**	**1.0000e-004**	**0.0108**	**2.8800e-003**	**9.0000e-005**	**2.9700e-003**	**0.0000**	**14.5050**	**14.5050**	**1.0600e-003**	**0.0000**	**14.5314**

3.18 Phase 1-TH (Gradealls Only) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0949	0.9241	1.2023	1.9500e-003		0.0394	0.0394		0.0369	0.0369	0.0000	168.9309	168.9309	0.0436	0.0000	170.0196
Total	**0.0949**	**0.9241**	**1.2023**	**1.9500e-003**		**0.0394**	**0.0394**		**0.0369**	**0.0369**	**0.0000**	**168.9309**	**168.9309**	**0.0436**	**0.0000**	**170.0196**

3.18 Phase 1-TH (Gradealls Only) - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0300e-003	0.1207	0.0451	3.4000e-004	8.9900e-003	1.7000e-004	9.1600e-003	2.6000e-003	1.6000e-004	2.7600e-003	0.0000	35.8243	35.8243	4.8000e-003	0.0000	35.9442
Worker	0.0144	8.0500e-003	0.1007	4.2000e-004	0.0469	3.4000e-004	0.0473	0.0125	3.1000e-004	0.0128	0.0000	38.2337	38.2337	6.6000e-004	0.0000	38.2502
Total	**0.0174**	**0.1287**	**0.1458**	**7.6000e-004**	**0.0559**	**5.1000e-004**	**0.0564**	**0.0151**	**4.7000e-004**	**0.0156**	**0.0000**	**74.0580**	**74.0580**	**5.4600e-003**	**0.0000**	**74.1944**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0713	0.5978	1.2259	1.9500e-003		0.0271	0.0271		0.0255	0.0255	0.0000	159.1721	159.1721	0.0404	0.0000	160.1819
Total	**0.0713**	**0.5978**	**1.2259**	**1.9500e-003**		**0.0271**	**0.0271**		**0.0255**	**0.0255**	**0.0000**	**159.1721**	**159.1721**	**0.0404**	**0.0000**	**160.1819**

3.18 Phase 1-TH (Gradealls Only) - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0300e-003	0.1207	0.0451	3.4000e-004	8.9900e-003	1.7000e-004	9.1600e-003	2.6000e-003	1.6000e-004	2.7600e-003	0.0000	35.8243	35.8243	4.8000e-003	0.0000	35.9442
Worker	0.0144	8.0500e-003	0.1007	4.2000e-004	0.0469	3.4000e-004	0.0473	0.0125	3.1000e-004	0.0128	0.0000	38.2337	38.2337	6.6000e-004	0.0000	38.2502
Total	**0.0174**	**0.1287**	**0.1458**	**7.6000e-004**	**0.0559**	**5.1000e-004**	**0.0564**	**0.0151**	**4.7000e-004**	**0.0156**	**0.0000**	**74.0580**	**74.0580**	**5.4600e-003**	**0.0000**	**74.1944**

3.19 Phase 1-F Architectural Coatings - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1020					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0193	0.1302	0.1934	3.2000e-004		6.5100e-003	6.5100e-003		6.5100e-003	6.5100e-003	0.0000	27.2777	27.2777	1.5400e-003	0.0000	27.3161
Total	**0.1213**	**0.1302**	**0.1934**	**3.2000e-004**		**6.5100e-003**	**6.5100e-003**		**6.5100e-003**	**6.5100e-003**	**0.0000**	**27.2777**	**27.2777**	**1.5400e-003**	**0.0000**	**27.3161**

3.19 Phase 1-F Architectural Coatings - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0288	0.0161	0.2017	8.5000e-004	0.0940	6.8000e-004	0.0947	0.0250	6.3000e-004	0.0257	0.0000	76.5962	76.5962	1.3200e-003	0.0000	76.6291
Total	**0.0288**	**0.0161**	**0.2017**	**8.5000e-004**	**0.0940**	**6.8000e-004**	**0.0947**	**0.0250**	**6.3000e-004**	**0.0257**	**0.0000**	**76.5962**	**76.5962**	**1.3200e-003**	**0.0000**	**76.6291**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1020					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1700e-003	0.0138	0.1958	3.2000e-004		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	27.2777	27.2777	1.5400e-003	0.0000	27.3161
Total	**0.1052**	**0.0138**	**0.1958**	**3.2000e-004**		**4.2000e-004**	**4.2000e-004**		**4.2000e-004**	**4.2000e-004**	**0.0000**	**27.2777**	**27.2777**	**1.5400e-003**	**0.0000**	**27.3161**

3.19 Phase 1-F Architectural Coatings - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0288	0.0161	0.2017	8.5000e-004	0.0940	6.8000e-004	0.0947	0.0250	6.3000e-004	0.0257	0.0000	76.5962	76.5962	1.3200e-003	0.0000	76.6291
Total	**0.0288**	**0.0161**	**0.2017**	**8.5000e-004**	**0.0940**	**6.8000e-004**	**0.0947**	**0.0250**	**6.3000e-004**	**0.0257**	**0.0000**	**76.5962**	**76.5962**	**1.3200e-003**	**0.0000**	**76.6291**

3.20 Phase 1-C,D,I Architectural Coatings - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2713					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0690	0.4655	0.6913	1.1300e-003		0.0233	0.0233		0.0233	0.0233	0.0000	97.5070	97.5070	5.4900e-003	0.0000	97.6443
Total	**0.3403**	**0.4655**	**0.6913**	**1.1300e-003**		**0.0233**	**0.0233**		**0.0233**	**0.0233**	**0.0000**	**97.5070**	**97.5070**	**5.4900e-003**	**0.0000**	**97.6443**

3.20 Phase 1-C,D,I Architectural Coatings - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0812	0.0455	0.5695	2.3900e-003	0.2654	1.9300e-003	0.2674	0.0706	1.7800e-003	0.0724	0.0000	216.2201	216.2201	3.7200e-003	0.0000	216.3130
Total	**0.0812**	**0.0455**	**0.5695**	**2.3900e-003**	**0.2654**	**1.9300e-003**	**0.2674**	**0.0706**	**1.7800e-003**	**0.0724**	**0.0000**	**216.2201**	**216.2201**	**3.7200e-003**	**0.0000**	**216.3130**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2713					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.0492	0.6998	1.1300e-003		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	97.5069	97.5069	5.4900e-003	0.0000	97.6442
Total	**0.2826**	**0.0492**	**0.6998**	**1.1300e-003**		**1.5100e-003**	**1.5100e-003**		**1.5100e-003**	**1.5100e-003**	**0.0000**	**97.5069**	**97.5069**	**5.4900e-003**	**0.0000**	**97.6442**

3.20 Phase 1-C,D,I Architectural Coatings - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0812	0.0455	0.5695	2.3900e-003	0.2654	1.9300e-003	0.2674	0.0706	1.7800e-003	0.0724	0.0000	216.2201	216.2201	3.7200e-003	0.0000	216.3130
Total	**0.0812**	**0.0455**	**0.5695**	**2.3900e-003**	**0.2654**	**1.9300e-003**	**0.2674**	**0.0706**	**1.7800e-003**	**0.0724**	**0.0000**	**216.2201**	**216.2201**	**3.7200e-003**	**0.0000**	**216.3130**

3.21 Phase 1-TH Architectural Coatings2 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0375					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.0768	0.1141	1.9000e-004		3.8400e-003	3.8400e-003		3.8400e-003	3.8400e-003	0.0000	16.0868	16.0868	9.1000e-004	0.0000	16.1095
Total	**0.0489**	**0.0768**	**0.1141**	**1.9000e-004**		**3.8400e-003**	**3.8400e-003**		**3.8400e-003**	**3.8400e-003**	**0.0000**	**16.0868**	**16.0868**	**9.1000e-004**	**0.0000**	**16.1095**

3.21 Phase 1-TH Architectural Coatings2 - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0198	0.0111	0.1392	5.8000e-004	0.0649	4.7000e-004	0.0653	0.0173	4.3000e-004	0.0177	0.0000	52.8321	52.8321	9.1000e-004	0.0000	52.8548
Total	**0.0198**	**0.0111**	**0.1392**	**5.8000e-004**	**0.0649**	**4.7000e-004**	**0.0653**	**0.0173**	**4.3000e-004**	**0.0177**	**0.0000**	**52.8321**	**52.8321**	**9.1000e-004**	**0.0000**	**52.8548**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0375					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8700e-003	8.1100e-003	0.1155	1.9000e-004		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	16.0868	16.0868	9.1000e-004	0.0000	16.1095
Total	**0.0394**	**8.1100e-003**	**0.1155**	**1.9000e-004**		**2.5000e-004**	**2.5000e-004**		**2.5000e-004**	**2.5000e-004**	**0.0000**	**16.0868**	**16.0868**	**9.1000e-004**	**0.0000**	**16.1095**

3.21 Phase 1-TH Architectural Coatings2 - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0198	0.0111	0.1392	5.8000e-004	0.0649	4.7000e-004	0.0653	0.0173	4.3000e-004	0.0177	0.0000	52.8321	52.8321	9.1000e-004	0.0000	52.8548
Total	**0.0198**	**0.0111**	**0.1392**	**5.8000e-004**	**0.0649**	**4.7000e-004**	**0.0653**	**0.0173**	**4.3000e-004**	**0.0177**	**0.0000**	**52.8321**	**52.8321**	**9.1000e-004**	**0.0000**	**52.8548**

3.22 Phase 1-TH (Excavator/BobCats Only) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0173	0.1544	0.1891	3.7000e-004		6.8100e-003	6.8100e-003		6.3900e-003	6.3900e-003	0.0000	31.9095	31.9095	8.3000e-003	0.0000	32.1171
Total	**0.0173**	**0.1544**	**0.1891**	**3.7000e-004**		**6.8100e-003**	**6.8100e-003**		**6.3900e-003**	**6.3900e-003**	**0.0000**	**31.9095**	**31.9095**	**8.3000e-003**	**0.0000**	**32.1171**

3.22 Phase 1-TH (Excavator/BobCats Only) - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.5000e-004	0.0219	8.2000e-003	6.0000e-005	1.6300e-003	3.0000e-005	1.6700e-003	4.7000e-004	3.0000e-005	5.0000e-004	0.0000	6.5135	6.5135	8.7000e-004	0.0000	6.5353
Worker	2.6100e-003	1.4600e-003	0.0183	8.0000e-005	8.5300e-003	6.0000e-005	8.6000e-003	2.2700e-003	6.0000e-005	2.3300e-003	0.0000	6.9516	6.9516	1.2000e-004	0.0000	6.9546
Total	**3.1600e-003**	**0.0234**	**0.0265**	**1.4000e-004**	**0.0102**	**9.0000e-005**	**0.0103**	**2.7400e-003**	**9.0000e-005**	**2.8300e-003**	**0.0000**	**13.4651**	**13.4651**	**9.9000e-004**	**0.0000**	**13.4899**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0133	0.1160	0.2069	3.7000e-004		4.9500e-003	4.9500e-003		4.6600e-003	4.6600e-003	0.0000	30.1351	30.1351	7.7300e-003	0.0000	30.3284
Total	**0.0133**	**0.1160**	**0.2069**	**3.7000e-004**		**4.9500e-003**	**4.9500e-003**		**4.6600e-003**	**4.6600e-003**	**0.0000**	**30.1351**	**30.1351**	**7.7300e-003**	**0.0000**	**30.3284**

3.22 Phase 1-TH (Excavator/BobCats Only) - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.5000e-004	0.0219	8.2000e-003	6.0000e-005	1.6300e-003	3.0000e-005	1.6700e-003	4.7000e-004	3.0000e-005	5.0000e-004	0.0000	6.5135	6.5135	8.7000e-004	0.0000	6.5353
Worker	2.6100e-003	1.4600e-003	0.0183	8.0000e-005	8.5300e-003	6.0000e-005	8.6000e-003	2.2700e-003	6.0000e-005	2.3300e-003	0.0000	6.9516	6.9516	1.2000e-004	0.0000	6.9546
Total	**3.1600e-003**	**0.0234**	**0.0265**	**1.4000e-004**	**0.0102**	**9.0000e-005**	**0.0103**	**2.7400e-003**	**9.0000e-005**	**2.8300e-003**	**0.0000**	**13.4651**	**13.4651**	**9.9000e-004**	**0.0000**	**13.4899**

3.23 Phase 1-TH (No HD Equipment2) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0336	0.3099	0.3790	6.3000e-004		0.0139	0.0139		0.0131	0.0131	0.0000	54.2299	54.2299	0.0130	0.0000	54.5550
Total	**0.0336**	**0.3099**	**0.3790**	**6.3000e-004**		**0.0139**	**0.0139**		**0.0131**	**0.0131**	**0.0000**	**54.2299**	**54.2299**	**0.0130**	**0.0000**	**54.5550**

3.23 Phase 1-TH (No HD Equipment2) - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2400e-003	0.0494	0.0185	1.4000e-004	3.6800e-003	7.0000e-005	3.7500e-003	1.0600e-003	7.0000e-005	1.1300e-003	0.0000	14.6554	14.6554	1.9600e-003	0.0000	14.7045
Worker	5.8700e-003	3.2900e-003	0.0412	1.7000e-004	0.0192	1.4000e-004	0.0193	5.1100e-003	1.3000e-004	5.2400e-003	0.0000	15.6411	15.6411	2.7000e-004	0.0000	15.6478
Total	**7.1100e-003**	**0.0527**	**0.0597**	**3.1000e-004**	**0.0229**	**2.1000e-004**	**0.0231**	**6.1700e-003**	**2.0000e-004**	**6.3700e-003**	**0.0000**	**30.2965**	**30.2965**	**2.2300e-003**	**0.0000**	**30.3523**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0268	0.2343	0.3555	6.3000e-004		0.0108	0.0108		0.0101	0.0101	0.0000	48.1738	48.1738	0.0110	0.0000	48.4499
Total	**0.0268**	**0.2343**	**0.3555**	**6.3000e-004**		**0.0108**	**0.0108**		**0.0101**	**0.0101**	**0.0000**	**48.1738**	**48.1738**	**0.0110**	**0.0000**	**48.4499**

3.23 Phase 1-TH (No HD Equipment2) - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2400e-003	0.0494	0.0185	1.4000e-004	3.6800e-003	7.0000e-005	3.7500e-003	1.0600e-003	7.0000e-005	1.1300e-003	0.0000	14.6554	14.6554	1.9600e-003	0.0000	14.7045
Worker	5.8700e-003	3.2900e-003	0.0412	1.7000e-004	0.0192	1.4000e-004	0.0193	5.1100e-003	1.3000e-004	5.2400e-003	0.0000	15.6411	15.6411	2.7000e-004	0.0000	15.6478
Total	**7.1100e-003**	**0.0527**	**0.0597**	**3.1000e-004**	**0.0229**	**2.1000e-004**	**0.0231**	**6.1700e-003**	**2.0000e-004**	**6.3700e-003**	**0.0000**	**30.2965**	**30.2965**	**2.2300e-003**	**0.0000**	**30.3523**

3.24 Phase 2-Material Off-Haul (No HD Equipment) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0354	0.3283	0.4056	6.7000e-004		0.0146	0.0146		0.0138	0.0138	0.0000	57.9514	57.9514	0.0140	0.0000	58.3015
Total	**0.0354**	**0.3283**	**0.4056**	**6.7000e-004**		**0.0146**	**0.0146**		**0.0138**	**0.0138**	**0.0000**	**57.9514**	**57.9514**	**0.0140**	**0.0000**	**58.3015**

3.24 Phase 2-Material Off-Haul (No HD Equipment) - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3300e-003	0.1711	0.0910	6.1000e-004	0.0138	3.5000e-004	0.0142	3.8000e-003	3.4000e-004	4.1300e-003	0.0000	67.3077	67.3077	0.0134	0.0000	67.6424
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.3300e-003**	**0.1711**	**0.0910**	**6.1000e-004**	**0.0138**	**3.5000e-004**	**0.0142**	**3.8000e-003**	**3.4000e-004**	**4.1300e-003**	**0.0000**	**67.3077**	**67.3077**	**0.0134**	**0.0000**	**67.6424**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0280	0.2447	0.3713	6.7000e-004		0.0113	0.0113		0.0106	0.0106	0.0000	50.3149	50.3149	0.0115	0.0000	50.6033
Total	**0.0280**	**0.2447**	**0.3713**	**6.7000e-004**		**0.0113**	**0.0113**		**0.0106**	**0.0106**	**0.0000**	**50.3149**	**50.3149**	**0.0115**	**0.0000**	**50.6033**

3.24 Phase 2-Material Off-Haul (No HD Equipment) - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3300e-003	0.1711	0.0910	6.1000e-004	0.0138	3.5000e-004	0.0142	3.8000e-003	3.4000e-004	4.1300e-003	0.0000	67.3077	67.3077	0.0134	0.0000	67.6424
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.3300e-003**	**0.1711**	**0.0910**	**6.1000e-004**	**0.0138**	**3.5000e-004**	**0.0142**	**3.8000e-003**	**3.4000e-004**	**4.1300e-003**	**0.0000**	**67.3077**	**67.3077**	**0.0134**	**0.0000**	**67.6424**

3.25 Phase 2-G,A,H (HD Equipment Mix) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1563	1.2930	1.6524	3.6100e-003		0.0554	0.0554		0.0535	0.0535	0.0000	312.2481	312.2481	0.0604	0.0000	313.7584
Total	**0.1563**	**1.2930**	**1.6524**	**3.6100e-003**		**0.0554**	**0.0554**		**0.0535**	**0.0535**	**0.0000**	**312.2481**	**312.2481**	**0.0604**	**0.0000**	**313.7584**

3.25 Phase 2-G,A,H (HD Equipment Mix) - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0140	0.5574	0.2084	1.5900e-003	0.0415	7.9000e-004	0.0423	0.0120	7.5000e-004	0.0128	0.0000	165.4690	165.4690	0.0222	0.0000	166.0232
Worker	0.0628	0.0352	0.4410	1.8500e-003	0.2056	1.5000e-003	0.2071	0.0547	1.3800e-003	0.0561	0.0000	167.4367	167.4367	2.8800e-003	0.0000	167.5087
Total	**0.0769**	**0.5927**	**0.6494**	**3.4400e-003**	**0.2471**	**2.2900e-003**	**0.2494**	**0.0667**	**2.1300e-003**	**0.0688**	**0.0000**	**332.9057**	**332.9057**	**0.0251**	**0.0000**	**333.5319**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0892	0.7570	1.9111	3.6100e-003		0.0267	0.0267		0.0257	0.0257	0.0000	304.5295	304.5295	0.0579	0.0000	305.9775
Total	**0.0892**	**0.7570**	**1.9111**	**3.6100e-003**		**0.0267**	**0.0267**		**0.0257**	**0.0257**	**0.0000**	**304.5295**	**304.5295**	**0.0579**	**0.0000**	**305.9775**

3.25 Phase 2-G,A,H (HD Equipment Mix) - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0140	0.5574	0.2084	1.5900e-003	0.0415	7.9000e-004	0.0423	0.0120	7.5000e-004	0.0128	0.0000	165.4690	165.4690	0.0222	0.0000	166.0232
Worker	0.0628	0.0352	0.4410	1.8500e-003	0.2056	1.5000e-003	0.2071	0.0547	1.3800e-003	0.0561	0.0000	167.4367	167.4367	2.8800e-003	0.0000	167.5087
Total	**0.0769**	**0.5927**	**0.6494**	**3.4400e-003**	**0.2471**	**2.2900e-003**	**0.2494**	**0.0667**	**2.1300e-003**	**0.0688**	**0.0000**	**332.9057**	**332.9057**	**0.0251**	**0.0000**	**333.5319**

3.25 Phase 2-G,A,H (HD Equipment Mix) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1080	0.8788	1.2118	2.6600e-003		0.0355	0.0355		0.0343	0.0343	0.0000	229.7932	229.7932	0.0441	0.0000	230.8966
Total	**0.1080**	**0.8788**	**1.2118**	**2.6600e-003**		**0.0355**	**0.0355**		**0.0343**	**0.0343**	**0.0000**	**229.7932**	**229.7932**	**0.0441**	**0.0000**	**230.8966**

3.25 Phase 2-G,A,H (HD Equipment Mix) - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.9400e-003	0.4001	0.1535	1.1600e-003	0.0305	5.5000e-004	0.0311	8.8300e-003	5.3000e-004	9.3600e-003	0.0000	120.6099	120.6099	0.0163	0.0000	121.0175
Worker	0.0442	0.0237	0.3031	1.3000e-003	0.1512	1.0900e-003	0.1523	0.0402	1.0000e-003	0.0412	0.0000	118.1337	118.1337	1.9300e-003	0.0000	118.1820
Total	**0.0541**	**0.4238**	**0.4566**	**2.4600e-003**	**0.1818**	**1.6400e-003**	**0.1834**	**0.0491**	**1.5300e-003**	**0.0506**	**0.0000**	**238.7436**	**238.7436**	**0.0182**	**0.0000**	**239.1996**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0626	0.5272	1.4038	2.6600e-003		0.0174	0.0174		0.0168	0.0168	0.0000	224.1150	224.1150	0.0423	0.0000	225.1724
Total	**0.0626**	**0.5272**	**1.4038**	**2.6600e-003**		**0.0174**	**0.0174**		**0.0168**	**0.0168**	**0.0000**	**224.1150**	**224.1150**	**0.0423**	**0.0000**	**225.1724**

3.25 Phase 2-G,A,H (HD Equipment Mix) - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.9400e-003	0.4001	0.1535	1.1600e-003	0.0305	5.5000e-004	0.0311	8.8300e-003	5.3000e-004	9.3600e-003	0.0000	120.6099	120.6099	0.0163	0.0000	121.0175
Worker	0.0442	0.0237	0.3031	1.3000e-003	0.1512	1.0900e-003	0.1523	0.0402	1.0000e-003	0.0412	0.0000	118.1337	118.1337	1.9300e-003	0.0000	118.1820
Total	**0.0541**	**0.4238**	**0.4566**	**2.4600e-003**	**0.1818**	**1.6400e-003**	**0.1834**	**0.0491**	**1.5300e-003**	**0.0506**	**0.0000**	**238.7436**	**238.7436**	**0.0182**	**0.0000**	**239.1996**

3.26 Phase 2-B (HD Equipment Mix) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1036	0.8625	1.0537	2.3300e-003		0.0371	0.0371		0.0355	0.0355	0.0000	201.3070	201.3070	0.0430	0.0000	202.3831
Total	**0.1036**	**0.8625**	**1.0537**	**2.3300e-003**		**0.0371**	**0.0371**		**0.0355**	**0.0355**	**0.0000**	**201.3070**	**201.3070**	**0.0430**	**0.0000**	**202.3831**

3.26 Phase 2-B (HD Equipment Mix) - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.9500e-003	0.2367	0.0885	6.8000e-004	0.0176	3.3000e-004	0.0180	5.0900e-003	3.2000e-004	5.4100e-003	0.0000	70.2677	70.2677	9.4100e-003	0.0000	70.5030
Worker	0.0267	0.0150	0.1873	7.9000e-004	0.0873	6.4000e-004	0.0879	0.0232	5.9000e-004	0.0238	0.0000	71.1186	71.1186	1.2200e-003	0.0000	71.1492
Total	**0.0326**	**0.2517**	**0.2758**	**1.4700e-003**	**0.1049**	**9.7000e-004**	**0.1059**	**0.0283**	**9.1000e-004**	**0.0292**	**0.0000**	**141.3863**	**141.3863**	**0.0106**	**0.0000**	**141.6522**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0635	0.5393	1.2145	2.3300e-003		0.0200	0.0200		0.0191	0.0191	0.0000	193.5886	193.5886	0.0406	0.0000	194.6022
Total	**0.0635**	**0.5393**	**1.2145**	**2.3300e-003**		**0.0200**	**0.0200**		**0.0191**	**0.0191**	**0.0000**	**193.5886**	**193.5886**	**0.0406**	**0.0000**	**194.6022**

3.26 Phase 2-B (HD Equipment Mix) - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.9500e-003	0.2367	0.0885	6.8000e-004	0.0176	3.3000e-004	0.0180	5.0900e-003	3.2000e-004	5.4100e-003	0.0000	70.2677	70.2677	9.4100e-003	0.0000	70.5030
Worker	0.0267	0.0150	0.1873	7.9000e-004	0.0873	6.4000e-004	0.0879	0.0232	5.9000e-004	0.0238	0.0000	71.1186	71.1186	1.2200e-003	0.0000	71.1492
Total	**0.0326**	**0.2517**	**0.2758**	**1.4700e-003**	**0.1049**	**9.7000e-004**	**0.1059**	**0.0283**	**9.1000e-004**	**0.0292**	**0.0000**	**141.3863**	**141.3863**	**0.0106**	**0.0000**	**141.6522**

3.26 Phase 2-B (HD Equipment Mix) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0716	0.5857	0.7721	1.7200e-003		0.0239	0.0239		0.0229	0.0229	0.0000	148.1494	148.1494	0.0315	0.0000	148.9365
Total	**0.0716**	**0.5857**	**0.7721**	**1.7200e-003**		**0.0239**	**0.0239**		**0.0229**	**0.0229**	**0.0000**	**148.1494**	**148.1494**	**0.0315**	**0.0000**	**148.9365**

3.26 Phase 2-B (HD Equipment Mix) - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.2200e-003	0.1699	0.0652	4.9000e-004	0.0130	2.4000e-004	0.0132	3.7500e-003	2.3000e-004	3.9700e-003	0.0000	51.2179	51.2179	6.9200e-003	0.0000	51.3910
Worker	0.0188	0.0101	0.1288	5.5000e-004	0.0642	4.6000e-004	0.0647	0.0171	4.3000e-004	0.0175	0.0000	50.1772	50.1772	8.2000e-004	0.0000	50.1977
Total	**0.0230**	**0.1800**	**0.1939**	**1.0400e-003**	**0.0772**	**7.0000e-004**	**0.0779**	**0.0208**	**6.6000e-004**	**0.0215**	**0.0000**	**101.3951**	**101.3951**	**7.7400e-003**	**0.0000**	**101.5887**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0444	0.3750	0.8917	1.7200e-003		0.0130	0.0130		0.0125	0.0125	0.0000	142.4713	142.4713	0.0297	0.0000	143.2125
Total	**0.0444**	**0.3750**	**0.8917**	**1.7200e-003**		**0.0130**	**0.0130**		**0.0125**	**0.0125**	**0.0000**	**142.4713**	**142.4713**	**0.0297**	**0.0000**	**143.2125**

3.26 Phase 2-B (HD Equipment Mix) - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.2200e-003	0.1699	0.0652	4.9000e-004	0.0130	2.4000e-004	0.0132	3.7500e-003	2.3000e-004	3.9700e-003	0.0000	51.2179	51.2179	6.9200e-003	0.0000	51.3910
Worker	0.0188	0.0101	0.1288	5.5000e-004	0.0642	4.6000e-004	0.0647	0.0171	4.3000e-004	0.0175	0.0000	50.1772	50.1772	8.2000e-004	0.0000	50.1977
Total	**0.0230**	**0.1800**	**0.1939**	**1.0400e-003**	**0.0772**	**7.0000e-004**	**0.0779**	**0.0208**	**6.6000e-004**	**0.0215**	**0.0000**	**101.3951**	**101.3951**	**7.7400e-003**	**0.0000**	**101.5887**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2222	2.1146	2.0701	4.2700e-003		0.0896	0.0896		0.0835	0.0835	0.0000	370.2711	370.2711	0.0996	0.0000	372.7604
Total	**0.2222**	**2.1146**	**2.0701**	**4.2700e-003**		**0.0896**	**0.0896**		**0.0835**	**0.0835**	**0.0000**	**370.2711**	**370.2711**	**0.0996**	**0.0000**	**372.7604**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0306	1.2314	0.4725	3.5600e-003	0.0940	1.7100e-003	0.0957	0.0272	1.6300e-003	0.0288	0.0000	371.2522	371.2522	0.0502	0.0000	372.5071
Worker	0.1359	0.0731	0.9331	4.0200e-003	0.4654	3.3600e-003	0.4688	0.1238	3.0900e-003	0.1269	0.0000	363.6303	363.6303	5.9500e-003	0.0000	363.7790
Total	**0.1665**	**1.3045**	**1.4056**	**7.5800e-003**	**0.5594**	**5.0700e-003**	**0.5645**	**0.1510**	**4.7200e-003**	**0.1557**	**0.0000**	**734.8825**	**734.8825**	**0.0562**	**0.0000**	**736.2861**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1617	1.4864	1.8413	4.2700e-003		0.0631	0.0631		0.0588	0.0588	0.0000	296.0612	296.0612	0.0756	0.0000	297.9504
Total	**0.1617**	**1.4864**	**1.8413**	**4.2700e-003**		**0.0631**	**0.0631**		**0.0588**	**0.0588**	**0.0000**	**296.0612**	**296.0612**	**0.0756**	**0.0000**	**297.9504**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0306	1.2314	0.4725	3.5600e-003	0.0940	1.7100e-003	0.0957	0.0272	1.6300e-003	0.0288	0.0000	371.2522	371.2522	0.0502	0.0000	372.5071
Worker	0.1359	0.0731	0.9331	4.0200e-003	0.4654	3.3600e-003	0.4688	0.1238	3.0900e-003	0.1269	0.0000	363.6303	363.6303	5.9500e-003	0.0000	363.7790
Total	**0.1665**	**1.3045**	**1.4056**	**7.5800e-003**	**0.5594**	**5.0700e-003**	**0.5645**	**0.1510**	**4.7200e-003**	**0.1557**	**0.0000**	**734.8825**	**734.8825**	**0.0562**	**0.0000**	**736.2861**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2944	2.8015	2.7427	5.6600e-003		0.1188	0.1188		0.1107	0.1107	0.0000	490.5623	490.5623	0.1319	0.0000	493.8602
Total	**0.2944**	**2.8015**	**2.7427**	**5.6600e-003**		**0.1188**	**0.1188**		**0.1107**	**0.1107**	**0.0000**	**490.5623**	**490.5623**	**0.1319**	**0.0000**	**493.8602**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0393	1.5920	0.6316	4.6500e-003	0.1245	2.1600e-003	0.1267	0.0360	2.0600e-003	0.0381	0.0000	487.5440	487.5440	0.0666	0.0000	489.2082
Worker	0.1728	0.0892	1.1616	5.1200e-003	0.6167	4.3400e-003	0.6210	0.1641	3.9900e-003	0.1680	0.0000	463.9596	463.9596	7.2300e-003	0.0000	464.1404
Total	**0.2122**	**1.6812**	**1.7932**	**9.7700e-003**	**0.7412**	**6.5000e-003**	**0.7477**	**0.2001**	**6.0500e-003**	**0.2061**	**0.0000**	**951.5036**	**951.5036**	**0.0738**	**0.0000**	**953.3486**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2142	1.9692	2.4395	5.6600e-003		0.0836	0.0836		0.0779	0.0779	0.0000	392.2435	392.2435	0.1001	0.0000	394.7465
Total	**0.2142**	**1.9692**	**2.4395**	**5.6600e-003**		**0.0836**	**0.0836**		**0.0779**	**0.0779**	**0.0000**	**392.2435**	**392.2435**	**0.1001**	**0.0000**	**394.7465**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0393	1.5920	0.6316	4.6500e-003	0.1245	2.1600e-003	0.1267	0.0360	2.0600e-003	0.0381	0.0000	487.5440	487.5440	0.0666	0.0000	489.2082
Worker	0.1728	0.0892	1.1616	5.1200e-003	0.6167	4.3400e-003	0.6210	0.1641	3.9900e-003	0.1680	0.0000	463.9596	463.9596	7.2300e-003	0.0000	464.1404
Total	**0.2122**	**1.6812**	**1.7932**	**9.7700e-003**	**0.7412**	**6.5000e-003**	**0.7477**	**0.2001**	**6.0500e-003**	**0.2061**	**0.0000**	**951.5036**	**951.5036**	**0.0738**	**0.0000**	**953.3486**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0237	0.2254	0.2207	4.6000e-004		9.5600e-003	9.5600e-003		8.9100e-003	8.9100e-003	0.0000	39.4705	39.4705	0.0106	0.0000	39.7359
Total	**0.0237**	**0.2254**	**0.2207**	**4.6000e-004**		**9.5600e-003**	**9.5600e-003**		**8.9100e-003**	**8.9100e-003**	**0.0000**	**39.4705**	**39.4705**	**0.0106**	**0.0000**	**39.7359**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0800e-003	0.1251	0.0512	3.7000e-004	0.0100	1.7000e-004	0.0102	2.9000e-003	1.6000e-004	3.0600e-003	0.0000	38.8958	38.8958	5.3600e-003	0.0000	39.0299
Worker	0.0133	6.6400e-003	0.0882	4.0000e-004	0.0496	3.3000e-004	0.0500	0.0132	3.0000e-004	0.0135	0.0000	36.0757	36.0757	5.4000e-004	0.0000	36.0891
Total	**0.0164**	**0.1317**	**0.1394**	**7.7000e-004**	**0.0596**	**5.0000e-004**	**0.0601**	**0.0161**	**4.6000e-004**	**0.0166**	**0.0000**	**74.9714**	**74.9714**	**5.9000e-003**	**0.0000**	**75.1189**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0172	0.1584	0.1963	4.6000e-004		6.7300e-003	6.7300e-003		6.2700e-003	6.2700e-003	0.0000	31.5598	31.5598	8.0600e-003	0.0000	31.7612
Total	**0.0172**	**0.1584**	**0.1963**	**4.6000e-004**		**6.7300e-003**	**6.7300e-003**		**6.2700e-003**	**6.2700e-003**	**0.0000**	**31.5598**	**31.5598**	**8.0600e-003**	**0.0000**	**31.7612**

3.27 Phase 2-G,A,H (Electric Cranes Only) - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0800e-003	0.1251	0.0512	3.7000e-004	0.0100	1.7000e-004	0.0102	2.9000e-003	1.6000e-004	3.0600e-003	0.0000	38.8958	38.8958	5.3600e-003	0.0000	39.0299
Worker	0.0133	6.6400e-003	0.0882	4.0000e-004	0.0496	3.3000e-004	0.0500	0.0132	3.0000e-004	0.0135	0.0000	36.0757	36.0757	5.4000e-004	0.0000	36.0891
Total	**0.0164**	**0.1317**	**0.1394**	**7.7000e-004**	**0.0596**	**5.0000e-004**	**0.0601**	**0.0161**	**4.6000e-004**	**0.0166**	**0.0000**	**74.9714**	**74.9714**	**5.9000e-003**	**0.0000**	**75.1189**

3.28 Phase 2-B (Electric Cranes Only) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1673	1.5585	1.7654	3.2600e-003		0.0660	0.0660		0.0618	0.0618	0.0000	281.2890	281.2890	0.0708	0.0000	283.0588
Total	**0.1673**	**1.5585**	**1.7654**	**3.2600e-003**		**0.0660**	**0.0660**		**0.0618**	**0.0618**	**0.0000**	**281.2890**	**281.2890**	**0.0708**	**0.0000**	**283.0588**

3.28 Phase 2-B (Electric Cranes Only) - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0130	0.5229	0.2007	1.5100e-003	0.0399	7.2000e-004	0.0406	0.0115	6.9000e-004	0.0122	0.0000	157.6550	157.6550	0.0213	0.0000	158.1879
Worker	0.0577	0.0310	0.3963	1.7100e-003	0.1977	1.4300e-003	0.1991	0.0526	1.3100e-003	0.0539	0.0000	154.4517	154.4517	2.5300e-003	0.0000	154.5148
Total	**0.0707**	**0.5540**	**0.5970**	**3.2200e-003**	**0.2376**	**2.1500e-003**	**0.2398**	**0.0641**	**2.0000e-003**	**0.0661**	**0.0000**	**312.1067**	**312.1067**	**0.0239**	**0.0000**	**312.7028**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1287	1.1527	1.6584	3.2600e-003		0.0489	0.0489		0.0458	0.0458	0.0000	242.6720	242.6720	0.0583	0.0000	244.1295
Total	**0.1287**	**1.1527**	**1.6584**	**3.2600e-003**		**0.0489**	**0.0489**		**0.0458**	**0.0458**	**0.0000**	**242.6720**	**242.6720**	**0.0583**	**0.0000**	**244.1295**

3.28 Phase 2-B (Electric Cranes Only) - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0130	0.5229	0.2007	1.5100e-003	0.0399	7.2000e-004	0.0406	0.0115	6.9000e-004	0.0122	0.0000	157.6550	157.6550	0.0213	0.0000	158.1879
Worker	0.0577	0.0310	0.3963	1.7100e-003	0.1977	1.4300e-003	0.1991	0.0526	1.3100e-003	0.0539	0.0000	154.4517	154.4517	2.5300e-003	0.0000	154.5148
Total	**0.0707**	**0.5540**	**0.5970**	**3.2200e-003**	**0.2376**	**2.1500e-003**	**0.2398**	**0.0641**	**2.0000e-003**	**0.0661**	**0.0000**	**312.1067**	**312.1067**	**0.0239**	**0.0000**	**312.7028**

3.28 Phase 2-B (Electric Cranes Only) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0730	0.6804	0.7707	1.4200e-003		0.0288	0.0288		0.0270	0.0270	0.0000	122.7962	122.7962	0.0309	0.0000	123.5688
Total	**0.0730**	**0.6804**	**0.7707**	**1.4200e-003**		**0.0288**	**0.0288**		**0.0270**	**0.0270**	**0.0000**	**122.7962**	**122.7962**	**0.0309**	**0.0000**	**123.5688**

3.28 Phase 2-B (Electric Cranes Only) - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.5000e-003	0.2228	0.0884	6.5000e-004	0.0174	3.0000e-004	0.0177	5.0400e-003	2.9000e-004	5.3300e-003	0.0000	68.2198	68.2198	9.3100e-003	0.0000	68.4527
Worker	0.0242	0.0125	0.1626	7.2000e-004	0.0863	6.1000e-004	0.0869	0.0230	5.6000e-004	0.0235	0.0000	64.9338	64.9338	1.0100e-003	0.0000	64.9591
Total	**0.0297**	**0.2352**	**0.2510**	**1.3700e-003**	**0.1037**	**9.1000e-004**	**0.1046**	**0.0280**	**8.5000e-004**	**0.0289**	**0.0000**	**133.1536**	**133.1536**	**0.0103**	**0.0000**	**133.4118**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0562	0.5032	0.7240	1.4200e-003		0.0214	0.0214		0.0200	0.0200	0.0000	105.9380	105.9380	0.0255	0.0000	106.5743
Total	**0.0562**	**0.5032**	**0.7240**	**1.4200e-003**		**0.0214**	**0.0214**		**0.0200**	**0.0200**	**0.0000**	**105.9380**	**105.9380**	**0.0255**	**0.0000**	**106.5743**

3.28 Phase 2-B (Electric Cranes Only) - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.5000e-003	0.2228	0.0884	6.5000e-004	0.0174	3.0000e-004	0.0177	5.0400e-003	2.9000e-004	5.3300e-003	0.0000	68.2198	68.2198	9.3100e-003	0.0000	68.4527
Worker	0.0242	0.0125	0.1626	7.2000e-004	0.0863	6.1000e-004	0.0869	0.0230	5.6000e-004	0.0235	0.0000	64.9338	64.9338	1.0100e-003	0.0000	64.9591
Total	**0.0297**	**0.2352**	**0.2510**	**1.3700e-003**	**0.1037**	**9.1000e-004**	**0.1046**	**0.0280**	**8.5000e-004**	**0.0289**	**0.0000**	**133.1536**	**133.1536**	**0.0103**	**0.0000**	**133.4118**

3.29 Phase 2-B Architectural Coatings - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0428					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0145	0.0974	0.1539	2.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003	0.0000	21.7197	21.7197	1.1800e-003	0.0000	21.7493
Total	**0.0573**	**0.0974**	**0.1539**	**2.5000e-004**		**4.3800e-003**	**4.3800e-003**		**4.3800e-003**	**4.3800e-003**	**0.0000**	**21.7197**	**21.7197**	**1.1800e-003**	**0.0000**	**21.7493**

3.29 Phase 2-B Architectural Coatings - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.5200e-003	8.5000e-004	1.0000e-005	2.5000e-004	0.0000	2.5000e-004	6.0000e-005	0.0000	7.0000e-005	0.0000	0.5994	0.5994	1.2000e-004	0.0000	0.6025
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0193	0.0104	0.1328	5.7000e-004	0.0662	4.8000e-004	0.0667	0.0176	4.4000e-004	0.0181	0.0000	51.7452	51.7452	8.5000e-004	0.0000	51.7664
Total	**0.0194**	**0.0119**	**0.1336**	**5.8000e-004**	**0.0665**	**4.8000e-004**	**0.0670**	**0.0177**	**4.4000e-004**	**0.0181**	**0.0000**	**52.3447**	**52.3447**	**9.7000e-004**	**0.0000**	**52.3689**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0428					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5300e-003	0.0110	0.1559	2.5000e-004		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	21.7197	21.7197	1.1800e-003	0.0000	21.7493
Total	**0.0453**	**0.0110**	**0.1559**	**2.5000e-004**		**3.4000e-004**	**3.4000e-004**		**3.4000e-004**	**3.4000e-004**	**0.0000**	**21.7197**	**21.7197**	**1.1800e-003**	**0.0000**	**21.7493**

3.29 Phase 2-B Architectural Coatings - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.5200e-003	8.5000e-004	1.0000e-005	2.5000e-004	0.0000	2.5000e-004	6.0000e-005	0.0000	7.0000e-005	0.0000	0.5994	0.5994	1.2000e-004	0.0000	0.6025
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0193	0.0104	0.1328	5.7000e-004	0.0662	4.8000e-004	0.0667	0.0176	4.4000e-004	0.0181	0.0000	51.7452	51.7452	8.5000e-004	0.0000	51.7664
Total	**0.0194**	**0.0119**	**0.1336**	**5.8000e-004**	**0.0665**	**4.8000e-004**	**0.0670**	**0.0177**	**4.4000e-004**	**0.0181**	**0.0000**	**52.3447**	**52.3447**	**9.7000e-004**	**0.0000**	**52.3689**

3.29 Phase 2-B Architectural Coatings - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0558					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0189	0.1270	0.2005	3.3000e-004		5.7100e-003	5.7100e-003		5.7100e-003	5.7100e-003	0.0000	28.3014	28.3014	1.5400e-003	0.0000	28.3400
Total	**0.0747**	**0.1270**	**0.2005**	**3.3000e-004**		**5.7100e-003**	**5.7100e-003**		**5.7100e-003**	**5.7100e-003**	**0.0000**	**28.3014**	**28.3014**	**1.5400e-003**	**0.0000**	**28.3400**

3.29 Phase 2-B Architectural Coatings - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	1.8900e-003	1.1400e-003	1.0000e-005	2.5000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.7721	0.7721	1.6000e-004	0.0000	0.7761
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0242	0.0125	0.1626	7.2000e-004	0.0863	6.1000e-004	0.0869	0.0230	5.6000e-004	0.0235	0.0000	64.9338	64.9338	1.0100e-003	0.0000	64.9591
Total	**0.0242**	**0.0144**	**0.1637**	**7.3000e-004**	**0.0866**	**6.1000e-004**	**0.0872**	**0.0230**	**5.6000e-004**	**0.0236**	**0.0000**	**65.7059**	**65.7059**	**1.1700e-003**	**0.0000**	**65.7352**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0558					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2900e-003	0.0143	0.2031	3.3000e-004		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	28.3014	28.3014	1.5400e-003	0.0000	28.3400
Total	**0.0591**	**0.0143**	**0.2031**	**3.3000e-004**		**4.4000e-004**	**4.4000e-004**		**4.4000e-004**	**4.4000e-004**	**0.0000**	**28.3014**	**28.3014**	**1.5400e-003**	**0.0000**	**28.3400**

3.29 Phase 2-B Architectural Coatings - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	1.8900e-003	1.1400e-003	1.0000e-005	2.5000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.7721	0.7721	1.6000e-004	0.0000	0.7761
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0242	0.0125	0.1626	7.2000e-004	0.0863	6.1000e-004	0.0869	0.0230	5.6000e-004	0.0235	0.0000	64.9338	64.9338	1.0100e-003	0.0000	64.9591
Total	**0.0242**	**0.0144**	**0.1637**	**7.3000e-004**	**0.0866**	**6.1000e-004**	**0.0872**	**0.0230**	**5.6000e-004**	**0.0236**	**0.0000**	**65.7059**	**65.7059**	**1.1700e-003**	**0.0000**	**65.7352**

3.30 Phase 2-G,A,H Architectural Coatings - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2989					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0741	0.4965	0.7842	1.2900e-003		0.0223	0.0223		0.0223	0.0223	0.0000	110.6706	110.6706	6.0400e-003	0.0000	110.8215
Total	**0.3730**	**0.4965**	**0.7842**	**1.2900e-003**		**0.0223**	**0.0223**		**0.0223**	**0.0223**	**0.0000**	**110.6706**	**110.6706**	**6.0400e-003**	**0.0000**	**110.8215**

3.30 Phase 2-G,A,H Architectural Coatings - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1159	0.0598	0.7788	3.4300e-003	0.4135	2.9100e-003	0.4164	0.1100	2.6700e-003	0.1127	0.0000	311.0840	311.0840	4.8500e-003	0.0000	311.2053
Total	**0.1159**	**0.0598**	**0.7788**	**3.4300e-003**	**0.4135**	**2.9100e-003**	**0.4164**	**0.1100**	**2.6700e-003**	**0.1127**	**0.0000**	**311.0840**	**311.0840**	**4.8500e-003**	**0.0000**	**311.2053**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2989					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0129	0.0558	0.7943	1.2900e-003		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	110.6704	110.6704	6.0400e-003	0.0000	110.8213
Total	**0.3118**	**0.0558**	**0.7943**	**1.2900e-003**		**1.7200e-003**	**1.7200e-003**		**1.7200e-003**	**1.7200e-003**	**0.0000**	**110.6704**	**110.6704**	**6.0400e-003**	**0.0000**	**110.8213**

3.30 Phase 2-G,A,H Architectural Coatings - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1159	0.0598	0.7788	3.4300e-003	0.4135	2.9100e-003	0.4164	0.1100	2.6700e-003	0.1127	0.0000	311.0840	311.0840	4.8500e-003	0.0000	311.2053
Total	**0.1159**	**0.0598**	**0.7788**	**3.4300e-003**	**0.4135**	**2.9100e-003**	**0.4164**	**0.1100**	**2.6700e-003**	**0.1127**	**0.0000**	**311.0840**	**311.0840**	**4.8500e-003**	**0.0000**	**311.2053**

3.30 Phase 2-G,A,H Architectural Coatings - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0359					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.8900e-003	0.0596	0.0941	1.5000e-004		2.6800e-003	2.6800e-003		2.6800e-003	2.6800e-003	0.0000	13.2805	13.2805	7.2000e-004	0.0000	13.2986
Total	**0.0448**	**0.0596**	**0.0941**	**1.5000e-004**		**2.6800e-003**	**2.6800e-003**		**2.6800e-003**	**2.6800e-003**	**0.0000**	**13.2805**	**13.2805**	**7.2000e-004**	**0.0000**	**13.2986**

3.30 Phase 2-G,A,H Architectural Coatings - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0133	6.6400e-003	0.0882	4.0000e-004	0.0496	3.3000e-004	0.0500	0.0132	3.0000e-004	0.0135	0.0000	36.0757	36.0757	5.4000e-004	0.0000	36.0891
Total	**0.0133**	**6.6400e-003**	**0.0882**	**4.0000e-004**	**0.0496**	**3.3000e-004**	**0.0500**	**0.0132**	**3.0000e-004**	**0.0135**	**0.0000**	**36.0757**	**36.0757**	**5.4000e-004**	**0.0000**	**36.0891**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0359					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5500e-003	6.7000e-003	0.0953	1.5000e-004		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	13.2805	13.2805	7.2000e-004	0.0000	13.2986
Total	**0.0374**	**6.7000e-003**	**0.0953**	**1.5000e-004**		**2.1000e-004**	**2.1000e-004**		**2.1000e-004**	**2.1000e-004**	**0.0000**	**13.2805**	**13.2805**	**7.2000e-004**	**0.0000**	**13.2986**

3.30 Phase 2-G,A,H Architectural Coatings - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0133	6.6400e-003	0.0882	4.0000e-004	0.0496	3.3000e-004	0.0500	0.0132	3.0000e-004	0.0135	0.0000	36.0757	36.0757	5.4000e-004	0.0000	36.0891
Total	**0.0133**	**6.6400e-003**	**0.0882**	**4.0000e-004**	**0.0496**	**3.3000e-004**	**0.0500**	**0.0132**	**3.0000e-004**	**0.0135**	**0.0000**	**36.0757**	**36.0757**	**5.4000e-004**	**0.0000**	**36.0891**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.3407	9.0818	25.9230	0.0982	9.1355	0.1040	9.2394	2.4602	0.0972	2.5574	0.0000	9,044.4321	9,044.4321	0.3740	0.0000	9,053.7809
Unmitigated	2.3407	9.0818	25.9230	0.0982	9.1355	0.1040	9.2394	2.4602	0.0972	2.5574	0.0000	9,044.4321	9,044.4321	0.3740	0.0000	9,053.7809

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	10,307.50	9,904.50	9083.00	23,269,294	23,269,294
City Park	7.56	91.00	66.96	59,703	59,703
Day-Care Center	740.60	62.10	58.30	643,221	643,221
Enclosed Parking with Elevator	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Strip Mall	332.40	315.30	153.23	468,726	468,726
Total	11,388.06	10,372.90	9,361.49	24,440,943	24,440,943

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Day-Care Center	9.50	7.30	7.30	12.70	82.30	5.00	28	58	14
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.604697	0.038136	0.192426	0.089922	0.013708	0.005077	0.031210	0.009257	0.004288	0.003553	0.006262	0.000945	0.000519
City Park	0.604697	0.038136	0.192426	0.089922	0.013708	0.005077	0.031210	0.009257	0.004288	0.003553	0.006262	0.000945	0.000519
Day-Care Center	0.604697	0.038136	0.192426	0.089922	0.013708	0.005077	0.031210	0.009257	0.004288	0.003553	0.006262	0.000945	0.000519
Enclosed Parking with Elevator	0.604697	0.038136	0.192426	0.089922	0.013708	0.005077	0.031210	0.009257	0.004288	0.003553	0.006262	0.000945	0.000519
Other Asphalt Surfaces	0.604697	0.038136	0.192426	0.089922	0.013708	0.005077	0.031210	0.009257	0.004288	0.003553	0.006262	0.000945	0.000519
Strip Mall	0.604697	0.038136	0.192426	0.089922	0.013708	0.005077	0.031210	0.009257	0.004288	0.003553	0.006262	0.000945	0.000519

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Balboa Reservoir-Mitigated Additional Housing Option Construction - San Francisco County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,333.3265	2,333.3265	0.1055	0.0218	2,342.4692
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,333.3265	2,333.3265	0.1055	0.0218	2,342.4692
NaturalGas Mitigated	0.0740	0.6333	0.2735	4.0400e-003		0.0512	0.0512		0.0512	0.0512	0.0000	732.7580	732.7580	0.0140	0.0134	737.1124
NaturalGas Unmitigated	0.0740	0.6333	0.2735	4.0400e-003		0.0512	0.0512		0.0512	0.0512	0.0000	732.7580	732.7580	0.0140	0.0134	737.1124

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.35322e+007	0.0730	0.6235	0.2653	3.9800e-003		0.0504	0.0504		0.0504	0.0504	0.0000	722.1279	722.1279	0.0138	0.0132	726.4192
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Day-Care Center	164700	8.9000e-004	8.0700e-003	6.7800e-003	5.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	8.7890	8.7890	1.7000e-004	1.6000e-004	8.8413
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	34500	1.9000e-004	1.6900e-003	1.4200e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.8411	1.8411	4.0000e-005	3.0000e-005	1.8520
Total		**0.0741**	**0.6333**	**0.2735**	**4.0400e-003**		**0.0512**	**0.0512**		**0.0512**	**0.0512**	**0.0000**	**732.7580**	**732.7580**	**0.0141**	**0.0134**	**737.1124**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.35322e+007	0.0730	0.6235	0.2653	3.9800e-003		0.0504	0.0504		0.0504	0.0504	0.0000	722.1279	722.1279	0.0138	0.0132	726.4192
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Day-Care Center	164700	8.9000e-004	8.0700e-003	6.7800e-003	5.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	8.7890	8.7890	1.7000e-004	1.6000e-004	8.8413
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	34500	1.9000e-004	1.6900e-003	1.4200e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.8411	1.8411	4.0000e-005	3.0000e-005	1.8520
Total		**0.0741**	**0.6333**	**0.2735**	**4.0400e-003**		**0.0512**	**0.0512**		**0.0512**	**0.0512**	**0.0000**	**732.7580**	**732.7580**	**0.0141**	**0.0134**	**737.1124**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	6.54408e+006	1,903.7492	0.0861	0.0178	1,911.2087
City Park	0	0.0000	0.0000	0.0000	0.0000
Day-Care Center	44400	12.9165	5.8000e-004	1.2000e-004	12.9671
Enclosed Parking with Elevator	1.35366e+006	393.7952	0.0178	3.6800e-003	395.3382
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	78600	22.8656	1.0300e-003	2.1000e-004	22.9552
Total		**2,333.3266**	**0.1055**	**0.0218**	**2,342.4692**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	6.54408e+006	1,903.7492	0.0861	0.0178	1,911.2087
City Park	0	0.0000	0.0000	0.0000	0.0000
Day-Care Center	44400	12.9165	5.8000e-004	1.2000e-004	12.9671
Enclosed Parking with Elevator	1.35366e+006	393.7952	0.0178	3.6800e-003	395.3382
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	78600	22.8656	1.0300e-003	2.1000e-004	22.9552
Total		**2,333.3266**	**0.1055**	**0.0218**	**2,342.4692**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	11.3564	0.2149	16.4349	0.0104		0.7679	0.7679		0.7679	0.7679	70.6640	47.8368	118.5009	0.1316	4.6300e-003	123.1728
Unmitigated	11.3564	0.2149	16.4349	0.0104		0.7679	0.7679		0.7679	0.7679	70.6640	47.8368	118.5009	0.1316	4.6300e-003	123.1728

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.1354					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.2981					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.5763	0.0823	4.9246	9.8000e-003		0.7041	0.7041		0.7041	0.7041	70.6640	29.0251	99.6892	0.1136	4.6300e-003	103.9094
Landscaping	0.3465	0.1326	11.5103	6.1000e-004		0.0638	0.0638		0.0638	0.0638	0.0000	18.8117	18.8117	0.0181	0.0000	19.2634
Total	**11.3564**	**0.2149**	**16.4349**	**0.0104**		**0.7679**	**0.7679**		**0.7679**	**0.7679**	**70.6640**	**47.8368**	**118.5009**	**0.1316**	**4.6300e-003**	**123.1728**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.1354					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.2981					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.5763	0.0823	4.9246	9.8000e-003		0.7041	0.7041		0.7041	0.7041	70.6640	29.0251	99.6892	0.1136	4.6300e-003	103.9094
Landscaping	0.3465	0.1326	11.5103	6.1000e-004		0.0638	0.0638		0.0638	0.0638	0.0000	18.8117	18.8117	0.0181	0.0000	19.2634
Total	**11.3564**	**0.2149**	**16.4349**	**0.0104**		**0.7679**	**0.7679**		**0.7679**	**0.7679**	**70.6640**	**47.8368**	**118.5009**	**0.1316**	**4.6300e-003**	**123.1728**

7.0 Water Detail

7.1 Mitigation Measures Water

Balboa Reservoir-Mitigated Additional Housing Option Construction - San Francisco County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	264.0168	3.3333	0.0806	371.3751
Unmitigated	264.0168	3.3333	0.0806	371.3751

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	100.989 / 63.6668	255.8326	3.3008	0.0798	362.1324
City Park	0 / 4.76593	4.8526	2.2000e-004	5.0000e-005	4.8716
Day-Care Center	0.428896 / 1.10287	1.9341	0.0141	3.5000e-004	2.3889
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.555544 / 0.340495	1.3974	0.0182	4.4000e-004	1.9822
Total		**264.0168**	**3.3333**	**0.0806**	**371.3751**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	100.989 / 63.6668	255.8326	3.3008	0.0798	362.1324
City Park	0 / 4.76593	4.8526	2.2000e-004	5.0000e-005	4.8716
Day-Care Center	0.428896 / 1.10287	1.9341	0.0141	3.5000e-004	2.3889
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.555544 / 0.340495	1.3974	0.0182	4.4000e-004	1.9822
Total		**264.0168**	**3.3333**	**0.0806**	**371.3751**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	149.0400	8.8080	0.0000	369.2404
Unmitigated	149.0400	8.8080	0.0000	369.2404

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	713	144.7326	8.5535	0.0000	358.5688
City Park	0.34	0.0690	4.0800e-003	0.0000	0.1710
Day-Care Center	13	2.6389	0.1560	0.0000	6.5377
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	7.88	1.5996	0.0945	0.0000	3.9629
Total		**149.0400**	**8.8080**	**0.0000**	**369.2404**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	713	144.7326	8.5535	0.0000	358.5688
City Park	0.34	0.0690	4.0800e-003	0.0000	0.1710
Day-Care Center	13	2.6389	0.1560	0.0000	6.5377
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	7.88	1.5996	0.0945	0.0000	3.9629
Total		**149.0400**	**8.8080**	**0.0000**	**369.2404**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

A5 CalEEMod Output: Developer's Proposed Option – Operational Emissions – Phase 1

Balboa Reservoir-Developer Phase 1 Operations - San Francisco County, Annual

Balboa Reservoir-Developer Phase 1 Operations

San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	550.00	Space	0.00	143,804.00	0
City Park	4.00	Acre	4.00	174,240.00	0
Apartments Mid Rise	645.00	Dwelling Unit	7.30	776,000.00	1845
Strip Mall	7.50	1000sqft	0.00	7,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	4.6	**Precipitation Freq (Days)**	64
Climate Zone	5			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project Specific Information

Vehicle Trips - Trips Rates consistent with Traffic Study, 100 percent primary trips

Road Dust - San Francisco-specific road dust

Woodstoves - Only 100 units would have natural gas fireplaces

Consumer Products - SF-specific consumer product VOC emission rate

Energy Use - CalEEMod Energy Use factors updated to reflect 2019 Title 24 Standards

Table Name	Column Name	Default Value	New Value
tblConsumerProducts	ROG_EF	2.14E-05	1.51E-05
tblEnergyUse	LightingElect	741.44	689.54
tblEnergyUse	LightingElect	1.75	1.23
tblEnergyUse	LightingElect	4.88	3.42
tblEnergyUse	T24E	426.45	396.60
tblEnergyUse	T24E	3.92	2.74
tblEnergyUse	T24E	2.24	1.57
tblEnergyUse	T24NG	6,115.43	5,687.35
tblEnergyUse	T24NG	3.90	2.73
tblFireplaces	NumberGas	96.75	100.00
tblFireplaces	NumberNoFireplace	25.80	545.00
tblFireplaces	NumberWood	109.65	0.00
tblFleetMix	HHD	9.2570e-003	2.5474e-003
tblFleetMix	HHD	9.2570e-003	0.00
tblFleetMix	HHD	9.2570e-003	0.00
tblFleetMix	HHD	9.2570e-003	1.9963e-004
tblFleetMix	LDA	0.60	0.69
tblFleetMix	LDA	0.60	0.00
tblFleetMix	LDA	0.60	0.00
tblFleetMix	LDA	0.60	0.72
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.19	0.22
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LDT2	0.19	0.23

tblFleetMix	LHD1	0.01	3.7723e-003
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD1	0.01	2.9561e-004
tblFleetMix	LHD2	5.0770e-003	1.3971e-003
tblFleetMix	LHD2	5.0770e-003	0.00
tblFleetMix	LHD2	5.0770e-003	0.00
tblFleetMix	LHD2	5.0770e-003	1.0949e-004
tblFleetMix	MCY	6.2620e-003	7.1358e-003
tblFleetMix	MCY	6.2620e-003	0.00
tblFleetMix	MCY	6.2620e-003	0.00
tblFleetMix	MCY	6.2620e-003	7.4173e-003
tblFleetMix	MDV	0.09	0.02
tblFleetMix	MDV	0.09	0.00
tblFleetMix	MDV	0.09	0.00
tblFleetMix	MDV	0.09	1.9392e-003
tblFleetMix	MH	5.1900e-004	0.00
tblFleetMix	MH	5.1900e-004	0.00
tblFleetMix	MH	5.1900e-004	0.00
tblFleetMix	MH	5.1900e-004	0.00
tblFleetMix	MHD	0.03	8.5887e-003
tblFleetMix	MHD	0.03	0.00
tblFleetMix	MHD	0.03	0.00
tblFleetMix	MHD	0.03	6.7304e-004
tblFleetMix	OBUS	4.2880e-003	0.00
tblFleetMix	OBUS	4.2880e-003	0.00
tblFleetMix	OBUS	4.2880e-003	0.00
tblFleetMix	OBUS	4.2880e-003	0.00
tblFleetMix	SBUS	9.4500e-004	0.00
tblFleetMix	SBUS	9.4500e-004	0.00

tblFleetMix	SBUS	9.4500e-004	0.00
tblFleetMix	SBUS	9.4500e-004	0.00
tblFleetMix	UBUS	3.5530e-003	0.00
tblFleetMix	UBUS	3.5530e-003	0.00
tblFleetMix	UBUS	3.5530e-003	0.00
tblFleetMix	UBUS	3.5530e-003	0.00
tblLandUse	LandUseSquareFeet	220,000.00	143,804.00
tblLandUse	LandUseSquareFeet	645,000.00	776,000.00
tblLandUse	LotAcreage	4.95	0.00
tblLandUse	LotAcreage	16.97	7.30
tblLandUse	LotAcreage	0.17	0.00
tblRoadDust	RoadSiltLoading	0.1	0.09696
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	6.39	2.58
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	42.04	25.60
tblVehicleTrips	SU_TR	5.86	2.58
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	20.43	25.60
tblVehicleTrips	WD_TR	6.65	2.58
tblVehicleTrips	WD_TR	1.89	0.00

tblVehicleTrips	WD_TR	44.32	25.60
tblWoodstoves	NumberCatalytic	12.90	0.00
tblWoodstoves	NumberNoncatalytic	12.90	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.4340	3.8146	3.4611	0.0102	0.6678	0.1376	0.8054	0.2241	0.1284	0.3525	0.0000	936.0152	936.0152	0.1287	0.0000	939.2330
2022	5.8050	2.2166	2.4426	7.7200e-003	0.3984	0.0676	0.4660	0.1073	0.0635	0.1708	0.0000	717.3688	717.3688	0.0819	0.0000	719.4157
Maximum	**5.8050**	**3.8146**	**3.4611**	**0.0102**	**0.6678**	**0.1376**	**0.8054**	**0.2241**	**0.1284**	**0.3525**	**0.0000**	**936.0152**	**936.0152**	**0.1287**	**0.0000**	**939.2330**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.4340	3.8146	3.4611	0.0102	0.6678	0.1376	0.8054	0.2241	0.1284	0.3525	0.0000	936.0148	936.0148	0.1287	0.0000	939.2326
2022	5.8050	2.2165	2.4426	7.7200e-003	0.3984	0.0676	0.4660	0.1073	0.0635	0.1708	0.0000	717.3686	717.3686	0.0819	0.0000	719.4155
Maximum	**5.8050**	**3.8146**	**3.4611**	**0.0102**	**0.6678**	**0.1376**	**0.8054**	**0.2241**	**0.1284**	**0.3525**	**0.0000**	**936.0148**	**936.0148**	**0.1287**	**0.0000**	**939.2326**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**3-1-2021**	**5-31-2021**	1.4337	1.4337
2	**6-1-2021**	**8-31-2021**	1.1881	1.1881
3	**9-1-2021**	**11-30-2021**	1.1883	1.1883
4	**12-1-2021**	**2-28-2022**	1.1184	1.1184
5	**3-1-2022**	**5-31-2022**	1.0973	1.0973
6	**6-1-2022**	**8-31-2022**	4.4245	4.4245
7	**9-1-2022**	**9-30-2022**	1.7848	1.7848
		Highest	4.4245	4.4245

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.8689	0.0660	4.7969	3.2000e-004		0.0274	0.0274		0.0274	0.0274	0.0000	20.3170	20.3170	7.7700e-003	2.3000e-004	20.5795
Energy	0.0290	0.2480	0.1061	1.5800e-003		0.0201	0.0201		0.0201	0.0201	0.0000	1,256.2515	1,256.2515	0.0493	0.0143	1,261.7551
Mobile	0.3846	0.5663	4.6014	0.0161	1.7415	0.0135	1.7550	0.4646	0.0124	0.4770	0.0000	1,461.5637	1,461.5637	0.0491	0.0000	1,462.7904
Waste						0.0000	0.0000		0.0000	0.0000	61.8960	0.0000	61.8960	3.6580	0.0000	153.3447
Water						0.0000	0.0000		0.0000	0.0000	13.5086	99.2008	112.7094	1.3920	0.0337	157.5476
Total	**3.2826**	**0.8803**	**9.5044**	**0.0180**	**1.7415**	**0.0610**	**1.8024**	**0.4646**	**0.0599**	**0.5245**	**75.4046**	**2,837.3330**	**2,912.7376**	**5.1561**	**0.0483**	**3,056.0173**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.8689	0.0660	4.7969	3.2000e-004		0.0274	0.0274		0.0274	0.0274	0.0000	20.3170	20.3170	7.7700e-003	2.3000e-004	20.5795
Energy	0.0290	0.2480	0.1061	1.5800e-003		0.0201	0.0201		0.0201	0.0201	0.0000	1,256.2515	1,256.2515	0.0493	0.0143	1,261.7551
Mobile	0.3846	0.5663	4.6014	0.0161	1.7415	0.0135	1.7550	0.4646	0.0124	0.4770	0.0000	1,461.5637	1,461.5637	0.0491	0.0000	1,462.7904
Waste						0.0000	0.0000		0.0000	0.0000	61.8960	0.0000	61.8960	3.6580	0.0000	153.3447
Water						0.0000	0.0000		0.0000	0.0000	13.5086	99.2008	112.7094	1.3920	0.0337	157.5476
Total	**3.2826**	**0.8803**	**9.5044**	**0.0180**	**1.7415**	**0.0610**	**1.8024**	**0.4646**	**0.0599**	**0.5245**	**75.4046**	**2,837.3330**	**2,912.7376**	**5.1561**	**0.0483**	**3,056.0173**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/1/2021	3/26/2021	5	20	
2	Site Preparation	Site Preparation	3/27/2021	4/9/2021	5	10	
3	Grading	Grading	4/10/2021	5/21/2021	5	30	
4	Building Construction	Building Construction	5/22/2021	7/15/2022	5	300	
5	Paving	Paving	7/16/2022	8/12/2022	5	20	
6	Architectural Coating	Architectural Coating	8/13/2022	9/9/2022	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 1,571,400; Residential Outdoor: 523,800; Non-Residential Indoor: 11,250; Non-Residential Outdoor: 3,750; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class

Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	600.00	122.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	120.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400
Total	**0.0317**	**0.3144**	**0.2157**	**3.9000e-004**		**0.0155**	**0.0155**		**0.0144**	**0.0144**	**0.0000**	**34.0008**	**34.0008**	**9.5700e-003**	**0.0000**	**34.2400**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.7000e-004	3.1200e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0863	1.0863	2.0000e-005	0.0000	1.0868
Total	**4.3000e-004**	**2.7000e-004**	**3.1200e-003**	**1.0000e-005**	**1.1900e-003**	**1.0000e-005**	**1.1900e-003**	**3.2000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.0863**	**1.0863**	**2.0000e-005**	**0.0000**	**1.0868**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400
Total	**0.0317**	**0.3144**	**0.2157**	**3.9000e-004**		**0.0155**	**0.0155**		**0.0144**	**0.0144**	**0.0000**	**34.0007**	**34.0007**	**9.5700e-003**	**0.0000**	**34.2400**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.7000e-004	3.1200e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0863	1.0863	2.0000e-005	0.0000	1.0868
Total	**4.3000e-004**	**2.7000e-004**	**3.1200e-003**	**1.0000e-005**	**1.1900e-003**	**1.0000e-005**	**1.1900e-003**	**3.2000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.0863**	**1.0863**	**2.0000e-005**	**0.0000**	**1.0868**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7179	16.7179	5.4100e-003	0.0000	16.8530
Total	**0.0194**	**0.2025**	**0.1058**	**1.9000e-004**	**0.0903**	**0.0102**	**0.1006**	**0.0497**	**9.4000e-003**	**0.0591**	**0.0000**	**16.7179**	**16.7179**	**5.4100e-003**	**0.0000**	**16.8530**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.6000e-004	1.8700e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6518	0.6518	1.0000e-005	0.0000	0.6521
Total	**2.6000e-004**	**1.6000e-004**	**1.8700e-003**	**1.0000e-005**	**7.1000e-004**	**1.0000e-005**	**7.2000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.6518**	**0.6518**	**1.0000e-005**	**0.0000**	**0.6521**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7178	16.7178	5.4100e-003	0.0000	16.8530
Total	**0.0194**	**0.2025**	**0.1058**	**1.9000e-004**	**0.0903**	**0.0102**	**0.1006**	**0.0497**	**9.4000e-003**	**0.0591**	**0.0000**	**16.7178**	**16.7178**	**5.4100e-003**	**0.0000**	**16.8530**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.6000e-004	1.8700e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6518	0.6518	1.0000e-005	0.0000	0.6521
Total	**2.6000e-004**	**1.6000e-004**	**1.8700e-003**	**1.0000e-005**	**7.1000e-004**	**1.0000e-005**	**7.2000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.6518**	**0.6518**	**1.0000e-005**	**0.0000**	**0.6521**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0629	0.6960	0.4632	9.3000e-004		0.0298	0.0298		0.0274	0.0274	0.0000	81.7425	81.7425	0.0264	0.0000	82.4034

Total	**0.0629**	**0.6960**	**0.4632**	**9.3000e-004**	**0.1301**	**0.0298**	**0.1599**	**0.0540**	**0.0274**	**0.0814**	**0.0000**	**81.7425**	**81.7425**	**0.0264**	**0.0000**	**82.4034**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5000e-004	5.5000e-004	6.2400e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	2.1725	2.1725	4.0000e-005	0.0000	2.1736
Total	**8.5000e-004**	**5.5000e-004**	**6.2400e-003**	**2.0000e-005**	**2.3700e-003**	**2.0000e-005**	**2.3900e-003**	**6.3000e-004**	**2.0000e-005**	**6.5000e-004**	**0.0000**	**2.1725**	**2.1725**	**4.0000e-005**	**0.0000**	**2.1736**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0629	0.6960	0.4632	9.3000e-004		0.0298	0.0298		0.0274	0.0274	0.0000	81.7424	81.7424	0.0264	0.0000	82.4033
Total	**0.0629**	**0.6960**	**0.4632**	**9.3000e-004**	**0.1301**	**0.0298**	**0.1599**	**0.0540**	**0.0274**	**0.0814**	**0.0000**	**81.7424**	**81.7424**	**0.0264**	**0.0000**	**82.4033**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5000e-004	5.5000e-004	6.2400e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	2.1725	2.1725	4.0000e-005	0.0000	2.1736
Total	**8.5000e-004**	**5.5000e-004**	**6.2400e-003**	**2.0000e-005**	**2.3700e-003**	**2.0000e-005**	**2.3900e-003**	**6.3000e-004**	**2.0000e-005**	**6.5000e-004**	**0.0000**	**2.1725**	**2.1725**	**4.0000e-005**	**0.0000**	**2.1736**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1521	1.3946	1.3260	2.1500e-003		0.0767	0.0767		0.0721	0.0721	0.0000	185.3098	185.3098	0.0447	0.0000	186.4275
Total	**0.1521**	**1.3946**	**1.3260**	**2.1500e-003**		**0.0767**	**0.0767**		**0.0721**	**0.0721**	**0.0000**	**185.3098**	**185.3098**	**0.0447**	**0.0000**	**186.4275**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0298	1.1189	0.3415	2.6000e-003	0.0638	2.5100e-003	0.0663	0.0184	2.4000e-003	0.0208	0.0000	266.7305	266.7305	0.0354	0.0000	267.6151
Worker	0.1366	0.0873	0.9977	3.8400e-003	0.3793	2.8700e-003	0.3822	0.1009	2.6400e-003	0.1035	0.0000	347.6033	347.6033	7.1200e-003	0.0000	347.7814
Total	**0.1664**	**1.2061**	**1.3392**	**6.4400e-003**	**0.4431**	**5.3800e-003**	**0.4485**	**0.1193**	**5.0400e-003**	**0.1244**	**0.0000**	**614.3337**	**614.3337**	**0.0425**	**0.0000**	**615.3965**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1521	1.3946	1.3260	2.1500e-003		0.0767	0.0767		0.0721	0.0721	0.0000	185.3096	185.3096	0.0447	0.0000	186.4273
Total	**0.1521**	**1.3946**	**1.3260**	**2.1500e-003**		**0.0767**	**0.0767**		**0.0721**	**0.0721**	**0.0000**	**185.3096**	**185.3096**	**0.0447**	**0.0000**	**186.4273**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0298	1.1189	0.3415	2.6000e-003	0.0638	2.5100e-003	0.0663	0.0184	2.4000e-003	0.0208	0.0000	266.7305	266.7305	0.0354	0.0000	267.6151
Worker	0.1366	0.0873	0.9977	3.8400e-003	0.3793	2.8700e-003	0.3822	0.1009	2.6400e-003	0.1035	0.0000	347.6033	347.6033	7.1200e-003	0.0000	347.7814

Total	**0.1664**	**1.2061**	**1.3392**	**6.4400e-003**	**0.4431**	**5.3800e-003**	**0.4485**	**0.1193**	**5.0400e-003**	**0.1244**	**0.0000**	**614.3337**	**614.3337**	**0.0425**	**0.0000**	**615.3965**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1194	1.0931	1.1454	1.8900e-003		0.0566	0.0566		0.0533	0.0533	0.0000	162.2077	162.2077	0.0389	0.0000	163.1792
Total	**0.1194**	**1.0931**	**1.1454**	**1.8900e-003**		**0.0566**	**0.0566**		**0.0533**	**0.0533**	**0.0000**	**162.2077**	**162.2077**	**0.0389**	**0.0000**	**163.1792**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0244	0.9269	0.2933	2.2400e-003	0.0558	1.9400e-003	0.0578	0.0161	1.8600e-003	0.0180	0.0000	230.3072	230.3072	0.0306	0.0000	231.0708
Worker	0.1128	0.0690	0.8138	3.2400e-003	0.3319	2.4700e-003	0.3344	0.0883	2.2800e-003	0.0906	0.0000	292.8598	292.8598	5.6400e-003	0.0000	293.0009
Total	**0.1372**	**0.9959**	**1.1070**	**5.4800e-003**	**0.3877**	**4.4100e-003**	**0.3921**	**0.1044**	**4.1400e-003**	**0.1086**	**0.0000**	**523.1670**	**523.1670**	**0.0362**	**0.0000**	**524.0717**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1194	1.0931	1.1454	1.8900e-003		0.0566	0.0566		0.0533	0.0533	0.0000	162.2075	162.2075	0.0389	0.0000	163.1790
Total	**0.1194**	**1.0931**	**1.1454**	**1.8900e-003**		**0.0566**	**0.0566**		**0.0533**	**0.0533**	**0.0000**	**162.2075**	**162.2075**	**0.0389**	**0.0000**	**163.1790**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0244	0.9269	0.2933	2.2400e-003	0.0558	1.9400e-003	0.0578	0.0161	1.8600e-003	0.0180	0.0000	230.3072	230.3072	0.0306	0.0000	231.0708
Worker	0.1128	0.0690	0.8138	3.2400e-003	0.3319	2.4700e-003	0.3344	0.0883	2.2800e-003	0.0906	0.0000	292.8598	292.8598	5.6400e-003	0.0000	293.0009
Total	**0.1372**	**0.9959**	**1.1070**	**5.4800e-003**	**0.3877**	**4.4100e-003**	**0.3921**	**0.1044**	**4.1400e-003**	**0.1086**	**0.0000**	**523.1670**	**523.1670**	**0.0362**	**0.0000**	**524.0717**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0110**	**0.1113**	**0.1458**	**2.3000e-004**		**5.6800e-003**	**5.6800e-003**		**5.2200e-003**	**5.2200e-003**	**0.0000**	**20.0276**	**20.0276**	**6.4800e-003**	**0.0000**	**20.1895**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.5000e-004	2.9100e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0459	1.0459	2.0000e-005	0.0000	1.0464
Total	**4.0000e-004**	**2.5000e-004**	**2.9100e-003**	**1.0000e-005**	**1.1900e-003**	**1.0000e-005**	**1.1900e-003**	**3.2000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.0459**	**1.0459**	**2.0000e-005**	**0.0000**	**1.0464**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0110**	**0.1113**	**0.1458**	**2.3000e-004**		**5.6800e-003**	**5.6800e-003**		**5.2200e-003**	**5.2200e-003**	**0.0000**	**20.0275**	**20.0275**	**6.4800e-003**	**0.0000**	**20.1895**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.5000e-004	2.9100e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0459	1.0459	2.0000e-005	0.0000	1.0464
Total	**4.0000e-004**	**2.5000e-004**	**2.9100e-003**	**1.0000e-005**	**1.1900e-003**	**1.0000e-005**	**1.1900e-003**	**3.2000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.0459**	**1.0459**	**2.0000e-005**	**0.0000**	**1.0464**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.5317					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	**5.5337**	**0.0141**	**0.0181**	**3.0000e-005**		**8.2000e-004**	**8.2000e-004**		**8.2000e-004**	**8.2000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.7000e-004**	**0.0000**	**2.5574**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2200e-003	1.9700e-003	0.0233	9.0000e-005	9.4800e-003	7.0000e-005	9.5500e-003	2.5200e-003	7.0000e-005	2.5900e-003	0.0000	8.3674	8.3674	1.6000e-004	0.0000	8.3715
Total	**3.2200e-003**	**1.9700e-003**	**0.0233**	**9.0000e-005**	**9.4800e-003**	**7.0000e-005**	**9.5500e-003**	**2.5200e-003**	**7.0000e-005**	**2.5900e-003**	**0.0000**	**8.3674**	**8.3674**	**1.6000e-004**	**0.0000**	**8.3715**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.5317					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	**5.5337**	**0.0141**	**0.0181**	**3.0000e-005**		**8.2000e-004**	**8.2000e-004**		**8.2000e-004**	**8.2000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.7000e-004**	**0.0000**	**2.5574**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Worker	3.2200e-003	1.9700e-003	0.0233	9.0000e-005	9.4800e-003	7.0000e-005	9.5500e-003	2.5200e-003	7.0000e-005	2.5900e-003	0.0000	8.3674	8.3674	1.6000e-004	0.0000	8.3715
Total	**3.2200e-003**	**1.9700e-003**	**0.0233**	**9.0000e-005**	**9.4800e-003**	**7.0000e-005**	**9.5500e-003**	**2.5200e-003**	**7.0000e-005**	**2.5900e-003**	**0.0000**	**8.3674**	**8.3674**	**1.6000e-004**	**0.0000**	**8.3715**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3846	0.5663	4.6014	0.0161	1.7415	0.0135	1.7550	0.4646	0.0124	0.4770	0.0000	1,461.5637	1,461.5637	0.0491	0.0000	1,462.7904
Unmitigated	0.3846	0.5663	4.6014	0.0161	1.7415	0.0135	1.7550	0.4646	0.0124	0.4770	0.0000	1,461.5637	1,461.5637	0.0491	0.0000	1,462.7904

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,666.45	1,666.45	1666.45	4,334,665	4,334,665
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Strip Mall	192.00	192.00	192.00	535,705	535,705
Total	1,858.45	1,858.45	1,858.45	4,870,370	4,870,370

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0

City Park	9.50	7.30	7.30	33.00	48.00	19.00	100	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	100	0	0
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.689078	0.043458	0.219278	0.024746	0.003772	0.001397	0.008589	0.002547	0.000000	0.000000	0.007136	0.000000	0.000000
City Park	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Enclosed Parking with Elevator	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Strip Mall	0.716265	0.045172	0.227929	0.001939	0.000296	0.000109	0.000673	0.000200	0.000000	0.000000	0.007417	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	969.1147	969.1147	0.0438	9.0700e-003	972.9119
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	969.1147	969.1147	0.0438	9.0700e-003	972.9119
NaturalGas Mitigated	0.0290	0.2480	0.1061	1.5800e-003		0.0201	0.0201		0.0201	0.0201	0.0000	287.1368	287.1368	5.5000e-003	5.2600e-003	288.8431
NaturalGas Unmitigated	0.0290	0.2480	0.1061	1.5800e-003		0.0201	0.0201		0.0201	0.0201	0.0000	287.1368	287.1368	5.5000e-003	5.2600e-003	288.8431

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	5.35502e+006	0.0289	0.2468	0.1050	1.5800e-003		0.0200	0.0200		0.0200	0.0200	0.0000	285.7640	285.7640	5.4800e-003	5.2400e-003	287.4622
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	25725	1.4000e-004	1.2600e-003	1.0600e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.3728	1.3728	3.0000e-005	3.0000e-005	1.3809
Total		**0.0290**	**0.2480**	**0.1061**	**1.5900e-003**		**0.0201**	**0.0201**		**0.0201**	**0.0201**	**0.0000**	**287.1368**	**287.1368**	**5.5100e-003**	**5.2700e-003**	**288.8431**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	5.35502e+006	0.0289	0.2468	0.1050	1.5800e-003		0.0200	0.0200		0.0200	0.0200	0.0000	285.7640	285.7640	5.4800e-003	5.2400e-003	287.4622
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	25725	1.4000e-004	1.2600e-003	1.0600e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.3728	1.3728	3.0000e-005	3.0000e-005	1.3809
Total		**0.0290**	**0.2480**	**0.1061**	**1.5900e-003**		**0.0201**	**0.0201**		**0.0201**	**0.0201**	**0.0000**	**287.1368**	**287.1368**	**5.5100e-003**	**5.2700e-003**	**288.8431**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.67045e+006	776.8659	0.0351	7.2700e-003	779.9099
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	598225	174.0304	7.8700e-003	1.6300e-003	174.7123
Strip Mall	62625	18.2183	8.2000e-004	1.7000e-004	18.2897
Total		**969.1147**	**0.0438**	**9.0700e-003**	**972.9119**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.67045e+006	776.8659	0.0351	7.2700e-003	779.9099
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	598225	174.0304	7.8700e-003	1.6300e-003	174.7123
Strip Mall	62625	18.2183	8.2000e-004	1.7000e-004	18.2897
Total		**969.1147**	**0.0438**	**9.0700e-003**	**972.9119**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.8689	0.0660	4.7969	3.2000e-004		0.0274	0.0274		0.0274	0.0274	0.0000	20.3170	20.3170	7.7700e-003	2.3000e-004	20.5795
Unmitigated	2.8689	0.0660	4.7969	3.2000e-004		0.0274	0.0274		0.0274	0.0274	0.0000	20.3170	20.3170	7.7700e-003	2.3000e-004	20.5795

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5532					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.1701					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.2600e-003	0.0108	4.5900e-003	7.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	12.4839	12.4839	2.4000e-004	2.3000e-004	12.5581
Landscaping	0.1444	0.0552	4.7923	2.5000e-004		0.0266	0.0266		0.0266	0.0266	0.0000	7.8331	7.8331	7.5300e-003	0.0000	8.0214
Total	**2.8689**	**0.0660**	**4.7969**	**3.2000e-004**		**0.0274**	**0.0274**		**0.0274**	**0.0274**	**0.0000**	**20.3170**	**20.3170**	**7.7700e-003**	**2.3000e-004**	**20.5795**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5532					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.1701					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.2600e-003	0.0108	4.5900e-003	7.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	12.4839	12.4839	2.4000e-004	2.3000e-004	12.5581
Landscaping	0.1444	0.0552	4.7923	2.5000e-004		0.0266	0.0266		0.0266	0.0266	0.0000	7.8331	7.8331	7.5300e-003	0.0000	8.0214
Total	**2.8689**	**0.0660**	**4.7969**	**3.2000e-004**		**0.0274**	**0.0274**		**0.0274**	**0.0274**	**0.0000**	**20.3170**	**20.3170**	**7.7700e-003**	**2.3000e-004**	**20.5795**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	112.7094	1.3920	0.0337	157.5476
Unmitigated	112.7094	1.3920	0.0337	157.5476

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e

Land Use	Mgal	MT/yr			
Apartments Mid Rise	42.0243 / 26.4936	106.4594	1.3736	0.0332	150.6938
City Park	0 / 4.76593	4.8526	2.2000e-004	5.0000e-005	4.8716
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.555544 / 0.340495	1.3974	0.0182	4.4000e-004	1.9822
Total		**112.7094**	**1.3920**	**0.0337**	**157.5476**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	42.0243 / 26.4936	106.4594	1.3736	0.0332	150.6938
City Park	0 / 4.76593	4.8526	2.2000e-004	5.0000e-005	4.8716
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.555544 / 0.340495	1.3974	0.0182	4.4000e-004	1.9822
Total		**112.7094**	**1.3920**	**0.0337**	**157.5476**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	61.8960	3.6580	0.0000	153.3447
Unmitigated	61.8960	3.6580	0.0000	153.3447

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	296.7	60.2274	3.5593	0.0000	149.2109
City Park	0.34	0.0690	4.0800e-003	0.0000	0.1710
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	7.88	1.5996	0.0945	0.0000	3.9629
Total		**61.8960**	**3.6580**	**0.0000**	**153.3447**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e

Land Use	tons	MT/yr			
Apartments Mid Rise	296.7	60.2274	3.5593	0.0000	149.2109
City Park	0.34	0.0690	4.0800e-003	0.0000	0.1710
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	7.88	1.5996	0.0945	0.0000	3.9629
Total		**61.8960**	**3.6580**	**0.0000**	**153.3447**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

A6 CalEEMod Output: Developer's Proposed Option – Operational Emissions – Full Buildout

Balboa Reservoir-Developer Full Buildout Operations

San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Day-Care Center	10.00	1000sqft	0.00	10,000.00	0
Enclosed Parking with Elevator	1,300.00	Space	0.00	339,900.00	0
City Park	4.00	Acre	4.00	174,240.00	0
Apartments Mid Rise	1,100.00	Dwelling Unit	13.00	1,283,000.00	3146
Strip Mall	7.50	1000sqft	0.00	7,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	4.6	**Precipitation Freq (Days)**	64
Climate Zone	5			**Operational Year**	2027
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project Specific Information

Vehicle Trips - Trips Rates consistent with Traffic Study, 100 percent primary trips

Woodstoves - Only 100 units would have natural gas fireplaces

Consumer Products - SF-specific consumer product VOC emission rate

Energy Use - CalEEMod Energy Use factors updated to reflect 2019 Title 24 Standards

Table Name	Column Name	Default Value	New Value
tblConsumerProducts	ROG_EF	2.14E-05	1.51E-05
tblEnergyUse	LightingElect	741.44	689.54
tblEnergyUse	LightingElect	2.51	1.76
tblEnergyUse	LightingElect	1.75	1.23
tblEnergyUse	LightingElect	4.88	3.42
tblEnergyUse	T24E	426.45	396.60
tblEnergyUse	T24E	0.66	0.46
tblEnergyUse	T24E	3.92	2.74
tblEnergyUse	T24E	2.24	1.57
tblEnergyUse	T24NG	6,115.43	5,687.35
tblEnergyUse	T24NG	14.85	10.39
tblEnergyUse	T24NG	3.90	2.73
tblFireplaces	NumberGas	165.00	100.00
tblFireplaces	NumberNoFireplace	44.00	1,000.00
tblFireplaces	NumberWood	187.00	0.00
tblFleetMix	HHD	9.4710e-003	2.5607e-003
tblFleetMix	HHD	9.4710e-003	0.00
tblFleetMix	HHD	9.4710e-003	0.00
tblFleetMix	HHD	9.4710e-003	0.00
tblFleetMix	HHD	9.4710e-003	2.0067e-004
tblFleetMix	LDA	0.60	0.69
tblFleetMix	LDA	0.60	0.00
tblFleetMix	LDA	0.60	0.72
tblFleetMix	LDA	0.60	0.00
tblFleetMix	LDA	0.60	0.72
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.04

tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.19	0.22
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LDT2	0.19	0.23
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LDT2	0.19	0.23
tblFleetMix	LHD1	0.01	3.4849e-003
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD1	0.01	2.7309e-004
tblFleetMix	LHD2	5.1840e-003	1.4016e-003
tblFleetMix	LHD2	5.1840e-003	0.00
tblFleetMix	LHD2	5.1840e-003	0.00
tblFleetMix	LHD2	5.1840e-003	0.00
tblFleetMix	LHD2	5.1840e-003	1.0984e-004
tblFleetMix	MCY	5.9520e-003	6.7997e-003
tblFleetMix	MCY	5.9520e-003	0.00
tblFleetMix	MCY	5.9520e-003	7.0908e-003
tblFleetMix	MCY	5.9520e-003	0.00
tblFleetMix	MCY	5.9520e-003	7.0680e-003
tblFleetMix	MDV	0.09	0.02
tblFleetMix	MDV	0.09	0.00
tblFleetMix	MDV	0.09	0.00
tblFleetMix	MDV	0.09	0.00
tblFleetMix	MDV	0.09	1.9293e-003
tblFleetMix	MH	5.6100e-004	0.00
tblFleetMix	MH	5.6100e-004	0.00
tblFleetMix	MH	5.6100e-004	0.00

tblFleetMix	MH	5.6100e-004	0.00
tblFleetMix	MH	5.6100e-004	0.00
tblFleetMix	MHD	0.03	8.9846e-003
tblFleetMix	MHD	0.03	0.00
tblFleetMix	MHD	0.03	0.00
tblFleetMix	MHD	0.03	0.00
tblFleetMix	MHD	0.03	7.0407e-004
tblFleetMix	OBUS	4.2720e-003	0.00
tblFleetMix	OBUS	4.2720e-003	0.00
tblFleetMix	OBUS	4.2720e-003	0.00
tblFleetMix	OBUS	4.2720e-003	0.00
tblFleetMix	OBUS	4.2720e-003	0.00
tblFleetMix	SBUS	9.5600e-004	0.00
tblFleetMix	SBUS	9.5600e-004	0.00
tblFleetMix	SBUS	9.5600e-004	0.00
tblFleetMix	SBUS	9.5600e-004	0.00
tblFleetMix	SBUS	9.5600e-004	0.00
tblFleetMix	UBUS	2.9830e-003	0.00
tblFleetMix	UBUS	2.9830e-003	0.00
tblFleetMix	UBUS	2.9830e-003	0.00
tblFleetMix	UBUS	2.9830e-003	0.00
tblFleetMix	UBUS	2.9830e-003	0.00
tblLandUse	LandUseSquareFeet	520,000.00	339,900.00
tblLandUse	LandUseSquareFeet	1,100,000.00	1,283,000.00
tblLandUse	LotAcreage	0.23	0.00
tblLandUse	LotAcreage	11.70	0.00
tblLandUse	LotAcreage	28.95	13.00
tblLandUse	LotAcreage	0.17	0.00
tblRoadDust	RoadSiltLoading	0.1	0.09696
tblVehicleTrips	DV_TP	11.00	0.00

tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	58.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	14.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	28.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	6.39	2.58
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	6.21	13.40
tblVehicleTrips	ST_TR	42.04	25.60
tblVehicleTrips	SU_TR	5.86	2.58
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	5.83	13.40
tblVehicleTrips	SU_TR	20.43	25.60
tblVehicleTrips	WD_TR	6.65	2.58
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	74.06	13.40
tblVehicleTrips	WD_TR	44.32	25.60
tblWoodstoves	NumberCatalytic	22.00	0.00
tblWoodstoves	NumberNoncatalytic	22.00	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.5487	4.6361	4.3835	0.0146	0.9735	0.1413	1.1148	0.3064	0.1319	0.4383	0.0000	1,357.9050	1,357.9050	0.1577	0.0000	1,361.8478
2022	9.5639	2.8962	3.2210	0.0115	0.6724	0.0707	0.7431	0.1811	0.0664	0.2475	0.0000	1,082.4020	1,082.4020	0.1067	0.0000	1,085.0688
Maximum	**9.5639**	**4.6361**	**4.3835**	**0.0146**	**0.9735**	**0.1413**	**1.1148**	**0.3064**	**0.1319**	**0.4383**	**0.0000**	**1,357.9050**	**1,357.9050**	**0.1577**	**0.0000**	**1,361.8478**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.5487	4.6361	4.3835	0.0146	0.9735	0.1413	1.1148	0.3064	0.1319	0.4383	0.0000	1,357.9046	1,357.9046	0.1577	0.0000	1,361.8474
2022	9.5639	2.8962	3.2210	0.0115	0.6724	0.0707	0.7431	0.1811	0.0664	0.2475	0.0000	1,082.4018	1,082.4018	0.1067	0.0000	1,085.0686
Maximum	**9.5639**	**4.6361**	**4.3835**	**0.0146**	**0.9735**	**0.1413**	**1.1148**	**0.3064**	**0.1319**	**0.4383**	**0.0000**	**1,357.9046**	**1,357.9046**	**0.1577**	**0.0000**	**1,361.8474**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**3-1-2021**	**5-31-2021**	1.4747	1.4747
2	**6-1-2021**	**8-31-2021**	1.5652	1.5652
3	**9-1-2021**	**11-30-2021**	1.5704	1.5704

4	**12-1-2021**	**2-28-2022**	1.4865	1.4865
5	**3-1-2022**	**5-31-2022**	1.4575	1.4575
6	**6-1-2022**	**8-31-2022**	7.0859	7.0859
7	**9-1-2022**	**9-30-2022**	2.9630	2.9630
		Highest	7.0859	7.0859

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.7742	0.1049	8.1766	5.0000e-004		0.0462	0.0462		0.0462	0.0462	0.0000	25.8492	25.8492	0.0131	2.3000e-004	26.2443
Energy	0.0500	0.4280	0.1851	2.7300e-003		0.0346	0.0346		0.0346	0.0346	0.0000	2,259.7342	2,259.7342	0.0893	0.0256	2,269.5908
Mobile	0.5659	0.8445	6.6879	0.0246	2.9673	0.0211	2.9884	0.7916	0.0194	0.8110	0.0000	2,233.1534	2,233.1534	0.0736	0.0000	2,234.9938
Waste						0.0000	0.0000		0.0000	0.0000	107.0209	0.0000	107.0209	6.3248	0.0000	265.1397
Water						0.0000	0.0000		0.0000	0.0000	23.0497	166.6931	189.7428	2.3750	0.0575	266.2399
Total	**5.3901**	**1.3774**	**15.0495**	**0.0278**	**2.9673**	**0.1018**	**3.0692**	**0.7916**	**0.1002**	**0.8918**	**130.0706**	**4,685.4299**	**4,815.5005**	**8.8757**	**0.0833**	**5,062.2085**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.7742	0.1049	8.1766	5.0000e-004		0.0462	0.0462		0.0462	0.0462	0.0000	25.8492	25.8492	0.0131	2.3000e-004	26.2443

Energy	0.0500	0.4280	0.1851	2.7300e-003		0.0346	0.0346		0.0346	0.0346	0.0000	2,259.7342	2,259.7342	0.0893	0.0256	2,269.5908
Mobile	0.5659	0.8445	6.6879	0.0246	2.9673	0.0211	2.9884	0.7916	0.0194	0.8110	0.0000	2,233.1534	2,233.1534	0.0736	0.0000	2,234.9938
Waste						0.0000	0.0000		0.0000	0.0000	107.0209	0.0000	107.0209	6.3248	0.0000	265.1397
Water						0.0000	0.0000		0.0000	0.0000	23.0497	166.6931	189.7428	2.3750	0.0575	266.2399
Total	**5.3901**	**1.3774**	**15.0495**	**0.0278**	**2.9673**	**0.1018**	**3.0692**	**0.7916**	**0.1002**	**0.8918**	**130.0706**	**4,685.4299**	**4,815.5005**	**8.8757**	**0.0833**	**5,062.2085**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/1/2021	3/26/2021	5	20	
2	Site Preparation	Site Preparation	3/27/2021	4/9/2021	5	10	
3	Grading	Grading	4/10/2021	5/21/2021	5	30	
4	Building Construction	Building Construction	5/22/2021	7/15/2022	5	300	
5	Paving	Paving	7/16/2022	8/12/2022	5	20	
6	Architectural Coating	Architectural Coating	8/13/2022	9/9/2022	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 2,598,075; Residential Outdoor: 866,025; Non-Residential Indoor: 26,250; Non-Residential Outdoor: 8,750; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73

Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,015.00	205.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	203.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400
Total	**0.0317**	**0.3144**	**0.2157**	**3.9000e-004**		**0.0155**	**0.0155**		**0.0144**	**0.0144**	**0.0000**	**34.0008**	**34.0008**	**9.5700e-003**	**0.0000**	**34.2400**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.7000e-004	3.1200e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0863	1.0863	2.0000e-005	0.0000	1.0868
Total	**4.3000e-004**	**2.7000e-004**	**3.1200e-003**	**1.0000e-005**	**1.1900e-003**	**1.0000e-005**	**1.1900e-003**	**3.2000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.0863**	**1.0863**	**2.0000e-005**	**0.0000**	**1.0868**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400
Total	**0.0317**	**0.3144**	**0.2157**	**3.9000e-004**		**0.0155**	**0.0155**		**0.0144**	**0.0144**	**0.0000**	**34.0007**	**34.0007**	**9.5700e-003**	**0.0000**	**34.2400**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.7000e-004	3.1200e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0863	1.0863	2.0000e-005	0.0000	1.0868
Total	**4.3000e-004**	**2.7000e-004**	**3.1200e-003**	**1.0000e-005**	**1.1900e-003**	**1.0000e-005**	**1.1900e-003**	**3.2000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.0863**	**1.0863**	**2.0000e-005**	**0.0000**	**1.0868**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7179	16.7179	5.4100e-003	0.0000	16.8530
Total	**0.0194**	**0.2025**	**0.1058**	**1.9000e-004**	**0.0903**	**0.0102**	**0.1006**	**0.0497**	**9.4000e-003**	**0.0591**	**0.0000**	**16.7179**	**16.7179**	**5.4100e-003**	**0.0000**	**16.8530**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.6000e-004	1.8700e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6518	0.6518	1.0000e-005	0.0000	0.6521
Total	**2.6000e-004**	**1.6000e-004**	**1.8700e-003**	**1.0000e-005**	**7.1000e-004**	**1.0000e-005**	**7.2000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.6518**	**0.6518**	**1.0000e-005**	**0.0000**	**0.6521**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7178	16.7178	5.4100e-003	0.0000	16.8530
Total	**0.0194**	**0.2025**	**0.1058**	**1.9000e-004**	**0.0903**	**0.0102**	**0.1006**	**0.0497**	**9.4000e-003**	**0.0591**	**0.0000**	**16.7178**	**16.7178**	**5.4100e-003**	**0.0000**	**16.8530**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.6000e-004	1.8700e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6518	0.6518	1.0000e-005	0.0000	0.6521
Total	**2.6000e-004**	**1.6000e-004**	**1.8700e-003**	**1.0000e-005**	**7.1000e-004**	**1.0000e-005**	**7.2000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.6518**	**0.6518**	**1.0000e-005**	**0.0000**	**0.6521**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0629	0.6960	0.4632	9.3000e-004		0.0298	0.0298		0.0274	0.0274	0.0000	81.7425	81.7425	0.0264	0.0000	82.4034
Total	**0.0629**	**0.6960**	**0.4632**	**9.3000e-004**	**0.1301**	**0.0298**	**0.1599**	**0.0540**	**0.0274**	**0.0814**	**0.0000**	**81.7425**	**81.7425**	**0.0264**	**0.0000**	**82.4034**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5000e-004	5.5000e-004	6.2400e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	2.1725	2.1725	4.0000e-005	0.0000	2.1736
Total	**8.5000e-004**	**5.5000e-004**	**6.2400e-003**	**2.0000e-005**	**2.3700e-003**	**2.0000e-005**	**2.3900e-003**	**6.3000e-004**	**2.0000e-005**	**6.5000e-004**	**0.0000**	**2.1725**	**2.1725**	**4.0000e-005**	**0.0000**	**2.1736**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0629	0.6960	0.4632	9.3000e-004		0.0298	0.0298		0.0274	0.0274	0.0000	81.7424	81.7424	0.0264	0.0000	82.4033
Total	**0.0629**	**0.6960**	**0.4632**	**9.3000e-004**	**0.1301**	**0.0298**	**0.1599**	**0.0540**	**0.0274**	**0.0814**	**0.0000**	**81.7424**	**81.7424**	**0.0264**	**0.0000**	**82.4033**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Worker	8.5000e-004	5.5000e-004	6.2400e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	2.1725	2.1725	4.0000e-005	0.0000	2.1736
Total	**8.5000e-004**	**5.5000e-004**	**6.2400e-003**	**2.0000e-005**	**2.3700e-003**	**2.0000e-005**	**2.3900e-003**	**6.3000e-004**	**2.0000e-005**	**6.5000e-004**	**0.0000**	**2.1725**	**2.1725**	**4.0000e-005**	**0.0000**	**2.1736**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1521	1.3946	1.3260	2.1500e-003		0.0767	0.0767		0.0721	0.0721	0.0000	185.3098	185.3098	0.0447	0.0000	186.4275
Total	**0.1521**	**1.3946**	**1.3260**	**2.1500e-003**		**0.0767**	**0.0767**		**0.0721**	**0.0721**	**0.0000**	**185.3098**	**185.3098**	**0.0447**	**0.0000**	**186.4275**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0501	1.8801	0.5738	4.3700e-003	0.1072	4.2200e-003	0.1114	0.0310	4.0400e-003	0.0350	0.0000	448.1947	448.1947	0.0595	0.0000	449.6812
Worker	0.2311	0.1476	1.6879	6.5000e-003	0.6416	4.8500e-003	0.6465	0.1707	4.4600e-003	0.1752	0.0000	588.0288	588.0288	0.0121	0.0000	588.3302
Total	**0.2811**	**2.0277**	**2.2617**	**0.0109**	**0.7488**	**9.0700e-003**	**0.7579**	**0.2017**	**8.5000e-003**	**0.2102**	**0.0000**	**1,036.2235**	**1,036.2235**	**0.0715**	**0.0000**	**1,038.0113**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1521	1.3946	1.3260	2.1500e-003		0.0767	0.0767		0.0721	0.0721	0.0000	185.3096	185.3096	0.0447	0.0000	186.4273
Total	**0.1521**	**1.3946**	**1.3260**	**2.1500e-003**		**0.0767**	**0.0767**		**0.0721**	**0.0721**	**0.0000**	**185.3096**	**185.3096**	**0.0447**	**0.0000**	**186.4273**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0501	1.8801	0.5738	4.3700e-003	0.1072	4.2200e-003	0.1114	0.0310	4.0400e-003	0.0350	0.0000	448.1947	448.1947	0.0595	0.0000	449.6812
Worker	0.2311	0.1476	1.6879	6.5000e-003	0.6416	4.8500e-003	0.6465	0.1707	4.4600e-003	0.1752	0.0000	588.0288	588.0288	0.0121	0.0000	588.3302
Total	**0.2811**	**2.0277**	**2.2617**	**0.0109**	**0.7488**	**9.0700e-003**	**0.7579**	**0.2017**	**8.5000e-003**	**0.2102**	**0.0000**	**1,036.2235**	**1,036.2235**	**0.0715**	**0.0000**	**1,038.0113**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.1194	1.0931	1.1454	1.8900e-003		0.0566	0.0566		0.0533	0.0533	0.0000	162.2077	162.2077	0.0389	0.0000	163.1792
Total	**0.1194**	**1.0931**	**1.1454**	**1.8900e-003**		**0.0566**	**0.0566**		**0.0533**	**0.0533**	**0.0000**	**162.2077**	**162.2077**	**0.0389**	**0.0000**	**163.1792**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0410	1.5575	0.4928	3.7600e-003	0.0938	3.2600e-003	0.0971	0.0271	3.1200e-003	0.0302	0.0000	386.9916	386.9916	0.0513	0.0000	388.2748
Worker	0.1908	0.1167	1.3766	5.4700e-003	0.5614	4.1800e-003	0.5656	0.1494	3.8500e-003	0.1532	0.0000	495.4211	495.4211	9.5500e-003	0.0000	495.6598
Total	**0.2318**	**1.6742**	**1.8694**	**9.2300e-003**	**0.6552**	**7.4400e-003**	**0.6627**	**0.1765**	**6.9700e-003**	**0.1834**	**0.0000**	**882.4127**	**882.4127**	**0.0609**	**0.0000**	**883.9346**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1194	1.0931	1.1454	1.8900e-003		0.0566	0.0566		0.0533	0.0533	0.0000	162.2075	162.2075	0.0389	0.0000	163.1790
Total	**0.1194**	**1.0931**	**1.1454**	**1.8900e-003**		**0.0566**	**0.0566**		**0.0533**	**0.0533**	**0.0000**	**162.2075**	**162.2075**	**0.0389**	**0.0000**	**163.1790**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0410	1.5575	0.4928	3.7600e-003	0.0938	3.2600e-003	0.0971	0.0271	3.1200e-003	0.0302	0.0000	386.9916	386.9916	0.0513	0.0000	388.2748
Worker	0.1908	0.1167	1.3766	5.4700e-003	0.5614	4.1800e-003	0.5656	0.1494	3.8500e-003	0.1532	0.0000	495.4211	495.4211	9.5500e-003	0.0000	495.6598
Total	**0.2318**	**1.6742**	**1.8694**	**9.2300e-003**	**0.6552**	**7.4400e-003**	**0.6627**	**0.1765**	**6.9700e-003**	**0.1834**	**0.0000**	**882.4127**	**882.4127**	**0.0609**	**0.0000**	**883.9346**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0110**	**0.1113**	**0.1458**	**2.3000e-004**		**5.6800e-003**	**5.6800e-003**		**5.2200e-003**	**5.2200e-003**	**0.0000**	**20.0276**	**20.0276**	**6.4800e-003**	**0.0000**	**20.1895**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.5000e-004	2.9100e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0459	1.0459	2.0000e-005	0.0000	1.0464
Total	**4.0000e-004**	**2.5000e-004**	**2.9100e-003**	**1.0000e-005**	**1.1900e-003**	**1.0000e-005**	**1.1900e-003**	**3.2000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.0459**	**1.0459**	**2.0000e-005**	**0.0000**	**1.0464**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0110**	**0.1113**	**0.1458**	**2.3000e-004**		**5.6800e-003**	**5.6800e-003**		**5.2200e-003**	**5.2200e-003**	**0.0000**	**20.0275**	**20.0275**	**6.4800e-003**	**0.0000**	**20.1895**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Worker	4.0000e-004	2.5000e-004	2.9100e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0459	1.0459	2.0000e-005	0.0000	1.0464
Total	**4.0000e-004**	**2.5000e-004**	**2.9100e-003**	**1.0000e-005**	**1.1900e-003**	**1.0000e-005**	**1.1900e-003**	**3.2000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.0459**	**1.0459**	**2.0000e-005**	**0.0000**	**1.0464**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	9.1937					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	**9.1958**	**0.0141**	**0.0181**	**3.0000e-005**		**8.2000e-004**	**8.2000e-004**		**8.2000e-004**	**8.2000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.7000e-004**	**0.0000**	**2.5574**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4500e-003	3.3300e-003	0.0393	1.6000e-004	0.0160	1.2000e-004	0.0162	4.2700e-003	1.1000e-004	4.3800e-003	0.0000	14.1549	14.1549	2.7000e-004	0.0000	14.1617
Total	**5.4500e-003**	**3.3300e-003**	**0.0393**	**1.6000e-004**	**0.0160**	**1.2000e-004**	**0.0162**	**4.2700e-003**	**1.1000e-004**	**4.3800e-003**	**0.0000**	**14.1549**	**14.1549**	**2.7000e-004**	**0.0000**	**14.1617**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	9.1937					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	**9.1958**	**0.0141**	**0.0181**	**3.0000e-005**		**8.2000e-004**	**8.2000e-004**		**8.2000e-004**	**8.2000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.7000e-004**	**0.0000**	**2.5574**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4500e-003	3.3300e-003	0.0393	1.6000e-004	0.0160	1.2000e-004	0.0162	4.2700e-003	1.1000e-004	4.3800e-003	0.0000	14.1549	14.1549	2.7000e-004	0.0000	14.1617
Total	**5.4500e-003**	**3.3300e-003**	**0.0393**	**1.6000e-004**	**0.0160**	**1.2000e-004**	**0.0162**	**4.2700e-003**	**1.1000e-004**	**4.3800e-003**	**0.0000**	**14.1549**	**14.1549**	**2.7000e-004**	**0.0000**	**14.1617**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5659	0.8445	6.6879	0.0246	2.9673	0.0211	2.9884	0.7916	0.0194	0.8110	0.0000	2,233.1534	2,233.1534	0.0736	0.0000	2,234.9938
Unmitigated	0.5659	0.8445	6.6879	0.0246	2.9673	0.0211	2.9884	0.7916	0.0194	0.8110	0.0000	2,233.1534	2,233.1534	0.0736	0.0000	2,234.9938

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,842.00	2,842.00	2842.00	7,392,451	7,392,451
City Park	0.00	0.00	0.00		
Day-Care Center	134.00	134.00	134.00	369,693	369,693
Enclosed Parking with Elevator	0.00	0.00	0.00		
Strip Mall	192.00	192.00	192.00	535,705	535,705
Total	3,168.00	3,168.00	3,168.00	8,297,850	8,297,850

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-...	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0
City Park	9.50	7.30	7.30	33.00	48.00	19.00	100	0	0
Day-Care Center	9.50	7.30	7.30	12.70	82.30	5.00	100	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	100	0	0
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.689431	0.042227	0.220490	0.024619	0.003485	0.001402	0.008985	0.002561	0.000000	0.000000	0.006800	0.000000	0.000000

City Park	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Day-Care Center	0.718945	0.044035	0.229929	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.007091	0.000000	0.000000	0.000000
Enclosed Parking with Elevator	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Strip Mall	0.716632	0.043893	0.229189	0.001929	0.000273	0.000110	0.000704	0.000201	0.000000	0.000000	0.000000	0.007068	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,764.6029	1,764.6029	0.0798	0.0165	1,771.5172
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,764.6029	1,764.6029	0.0798	0.0165	1,771.5172
NaturalGas Mitigated	0.0500	0.4280	0.1851	2.7300e-003		0.0346	0.0346		0.0346	0.0346	0.0000	495.1313	495.1313	9.4900e-003	9.0800e-003	498.0736
NaturalGas Unmitigated	0.0500	0.4280	0.1851	2.7300e-003		0.0346	0.0346		0.0346	0.0346	0.0000	495.1313	495.1313	9.4900e-003	9.0800e-003	498.0736

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					

Apartments Mid Rise	9.13259e+006	0.0492	0.4208	0.1791	2.6900e-003		0.0340	0.0340		0.0340	0.0340	0.0000	487.3495	487.3495	9.3400e-003	8.9300e-003	490.2456
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Day-Care Center	120100	6.5000e-004	5.8900e-003	4.9500e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	6.4090	6.4090	1.2000e-004	1.2000e-004	6.4471
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	25725	1.4000e-004	1.2600e-003	1.0600e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.3728	1.3728	3.0000e-005	3.0000e-005	1.3809
Total		**0.0500**	**0.4280**	**0.1851**	**2.7400e-003**		**0.0346**	**0.0346**		**0.0346**	**0.0346**	**0.0000**	**495.1313**	**495.1313**	**9.4900e-003**	**9.0800e-003**	**498.0736**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	9.13259e+006	0.0492	0.4208	0.1791	2.6900e-003		0.0340	0.0340		0.0340	0.0340	0.0000	487.3495	487.3495	9.3400e-003	8.9300e-003	490.2456
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Day-Care Center	120100	6.5000e-004	5.8900e-003	4.9500e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	6.4090	6.4090	1.2000e-004	1.2000e-004	6.4471
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	25725	1.4000e-004	1.2600e-003	1.0600e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.3728	1.3728	3.0000e-005	3.0000e-005	1.3809
Total		**0.0500**	**0.4280**	**0.1851**	**2.7400e-003**		**0.0346**	**0.0346**		**0.0346**	**0.0346**	**0.0000**	**495.1313**	**495.1313**	**9.4900e-003**	**9.0800e-003**	**498.0736**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e

Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	4.55426e+006	1,324.8876	0.0599	0.0124	1,330.0789
City Park	0	0.0000	0.0000	0.0000	0.0000
Day-Care Center	34900	10.1528	4.6000e-004	9.0000e-005	10.1926
Enclosed Parking with Elevator	1.41398e+006	411.3442	0.0186	3.8500e-003	412.9559
Strip Mall	62625	18.2183	8.2000e-004	1.7000e-004	18.2897
Total		**1,764.6029**	**0.0798**	**0.0165**	**1,771.5172**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	4.55426e+006	1,324.8876	0.0599	0.0124	1,330.0789
City Park	0	0.0000	0.0000	0.0000	0.0000
Day-Care Center	34900	10.1528	4.6000e-004	9.0000e-005	10.1926
Enclosed Parking with Elevator	1.41398e+006	411.3442	0.0186	3.8500e-003	412.9559
Strip Mall	62625	18.2183	8.2000e-004	1.7000e-004	18.2897
Total		**1,764.6029**	**0.0798**	**0.0165**	**1,771.5172**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.7742	0.1049	8.1766	5.0000e-004		0.0462	0.0462		0.0462	0.0462	0.0000	25.8492	25.8492	0.0131	2.3000e-004	26.2443
Unmitigated	4.7742	0.1049	8.1766	5.0000e-004		0.0462	0.0462		0.0462	0.0462	0.0000	25.8492	25.8492	0.0131	2.3000e-004	26.2443

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.9194					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.6075					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.2600e-003	0.0108	4.5900e-003	7.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	12.4839	12.4839	2.4000e-004	2.3000e-004	12.5581
Landscaping	0.2461	0.0941	8.1720	4.3000e-004		0.0453	0.0453		0.0453	0.0453	0.0000	13.3653	13.3653	0.0128	0.0000	13.6862
Total	**4.7742**	**0.1049**	**8.1766**	**5.0000e-004**		**0.0462**	**0.0462**		**0.0462**	**0.0462**	**0.0000**	**25.8492**	**25.8492**	**0.0131**	**2.3000e-004**	**26.2444**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.9194					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.6075					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.2600e-003	0.0108	4.5900e-003	7.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	12.4839	12.4839	2.4000e-004	2.3000e-004	12.5581
Landscaping	0.2461	0.0941	8.1720	4.3000e-004		0.0453	0.0453		0.0453	0.0453	0.0000	13.3653	13.3653	0.0128	0.0000	13.6862
Total	**4.7742**	**0.1049**	**8.1766**	**5.0000e-004**		**0.0462**	**0.0462**		**0.0462**	**0.0462**	**0.0000**	**25.8492**	**25.8492**	**0.0131**	**2.3000e-004**	**26.2444**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	189.7428	2.3750	0.0575	266.2399
Unmitigated	189.7428	2.3750	0.0575	266.2399

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e

Land Use	Mgal	MT/yr			
Apartments Mid Rise	71.6694 / 45.1829	181.5586	2.3425	0.0566	256.9972
City Park	0 / 4.76593	4.8526	2.2000e-004	5.0000e-005	4.8716
Day-Care Center	0.428896 / 1.10287	1.9341	0.0141	3.5000e-004	2.3889
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.555544 / 0.340495	1.3974	0.0182	4.4000e-004	1.9822
Total		**189.7428**	**2.3750**	**0.0575**	**266.2399**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	71.6694 / 45.1829	181.5586	2.3425	0.0566	256.9972
City Park	0 / 4.76593	4.8526	2.2000e-004	5.0000e-005	4.8716
Day-Care Center	0.428896 / 1.10287	1.9341	0.0141	3.5000e-004	2.3889
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.555544 / 0.340495	1.3974	0.0182	4.4000e-004	1.9822
Total		**189.7428**	**2.3750**	**0.0575**	**266.2399**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	107.0209	6.3248	0.0000	265.1397
Unmitigated	107.0209	6.3248	0.0000	265.1397

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	506	102.7134	6.0702	0.0000	254.4682
City Park	0.34	0.0690	4.0800e-003	0.0000	0.1710
Day-Care Center	13	2.6389	0.1560	0.0000	6.5377
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	7.88	1.5996	0.0945	0.0000	3.9629
Total		**107.0209**	**6.3248**	**0.0000**	**265.1397**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	506	102.7134	6.0702	0.0000	254.4682
City Park	0.34	0.0690	4.0800e-003	0.0000	0.1710
Day-Care Center	13	2.6389	0.1560	0.0000	6.5377
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	7.88	1.5996	0.0945	0.0000	3.9629
Total		**107.0209**	**6.3248**	**0.0000**	**265.1397**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

A7 CalEEMod Output: Additional Housing Option – Operational Emissions – Phase 1

Balboa Reservoir-Add'l Housing Option Phase 1 Operations - San Francisco County, Annual

Balboa Reservoir-Add'l Housing Option Phase 1 Operations

San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	650.00	Space	0.00	231,000.00	0
City Park	4.00	Acre	4.00	174,240.00	0
Apartments Mid Rise	850.00	Dwelling Unit	7.30	908,000.00	2431
Strip Mall	7.50	1000sqft	0.00	7,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	4.6	**Precipitation Freq (Days)**	64
Climate Zone	5			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project Specific Information

Vehicle Trips - Trips Rates consistent with Traffic Study, 100 percent primary trips

Road Dust - San Francisco-specific road dust

Woodstoves - Only 100 units would have natural gas fireplaces

Consumer Products - SF-specific consumer product VOC emission rate

Energy Use - CalEEMod Energy Use factors updated to reflect 2019 Title 24 Standards

Table Name	Column Name	Default Value	New Value
tblConsumerProducts	ROG_EF	2.14E-05	1.51E-05
tblEnergyUse	LightingElect	741.44	689.54
tblEnergyUse	LightingElect	1.75	1.23
tblEnergyUse	LightingElect	4.88	3.42
tblEnergyUse	T24E	426.45	396.60
tblEnergyUse	T24E	3.92	2.74
tblEnergyUse	T24E	2.24	1.57
tblEnergyUse	T24NG	6,115.43	5,687.35
tblEnergyUse	T24NG	3.90	2.73
tblFireplaces	NumberGas	127.50	100.00
tblFireplaces	NumberNoFireplace	34.00	750.00
tblFireplaces	NumberWood	144.50	0.00
tblFleetMix	HHD	9.2570e-003	2.5474e-003
tblFleetMix	HHD	9.2570e-003	0.00
tblFleetMix	HHD	9.2570e-003	0.00
tblFleetMix	HHD	9.2570e-003	1.9963e-004
tblFleetMix	LDA	0.60	0.69
tblFleetMix	LDA	0.60	0.00
tblFleetMix	LDA	0.60	0.00
tblFleetMix	LDA	0.60	0.72
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.19	0.22
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LDT2	0.19	0.23

tblFleetMix	LHD1	0.01	3.7723e-003
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD1	0.01	2.9561e-004
tblFleetMix	LHD2	5.0770e-003	1.3971e-003
tblFleetMix	LHD2	5.0770e-003	0.00
tblFleetMix	LHD2	5.0770e-003	0.00
tblFleetMix	LHD2	5.0770e-003	1.0949e-004
tblFleetMix	MCY	6.2620e-003	7.1358e-003
tblFleetMix	MCY	6.2620e-003	0.00
tblFleetMix	MCY	6.2620e-003	0.00
tblFleetMix	MCY	6.2620e-003	7.4173e-003
tblFleetMix	MDV	0.09	0.02
tblFleetMix	MDV	0.09	0.00
tblFleetMix	MDV	0.09	0.00
tblFleetMix	MDV	0.09	1.9392e-003
tblFleetMix	MH	5.1900e-004	0.00
tblFleetMix	MH	5.1900e-004	0.00
tblFleetMix	MH	5.1900e-004	0.00
tblFleetMix	MH	5.1900e-004	0.00
tblFleetMix	MHD	0.03	8.5887e-003
tblFleetMix	MHD	0.03	0.00
tblFleetMix	MHD	0.03	0.00
tblFleetMix	MHD	0.03	6.7304e-004
tblFleetMix	OBUS	4.2880e-003	0.00
tblFleetMix	OBUS	4.2880e-003	0.00
tblFleetMix	OBUS	4.2880e-003	0.00
tblFleetMix	OBUS	4.2880e-003	0.00
tblFleetMix	SBUS	9.4500e-004	0.00
tblFleetMix	SBUS	9.4500e-004	0.00

tblFleetMix	SBUS	9.4500e-004	0.00
tblFleetMix	SBUS	9.4500e-004	0.00
tblFleetMix	UBUS	3.5530e-003	0.00
tblFleetMix	UBUS	3.5530e-003	0.00
tblFleetMix	UBUS	3.5530e-003	0.00
tblFleetMix	UBUS	3.5530e-003	0.00
tblLandUse	LandUseSquareFeet	260,000.00	231,000.00
tblLandUse	LandUseSquareFeet	850,000.00	908,000.00
tblLandUse	LotAcreage	5.85	0.00
tblLandUse	LotAcreage	22.37	7.30
tblLandUse	LotAcreage	0.17	0.00
tblRoadDust	RoadSiltLoading	0.1	0.09696
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	6.39	2.66
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	42.04	25.60
tblVehicleTrips	SU_TR	5.86	2.66
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	20.43	25.60
tblVehicleTrips	WD_TR	6.65	2.66
tblVehicleTrips	WD_TR	1.89	0.00

tblVehicleTrips	WD_TR	44.32	25.60
tblWoodstoves	NumberCatalytic	17.00	0.00
tblWoodstoves	NumberNoncatalytic	17.00	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.4851	4.1808	3.8723	0.0121	0.8041	0.1393	0.9433	0.2608	0.1299	0.3907	0.0000	1,124.0865	1,124.0865	0.1416	0.0000	1,127.6276
2022	6.7956	2.5195	2.7896	9.4200e-003	0.5205	0.0690	0.5895	0.1402	0.0648	0.2050	0.0000	880.0945	880.0945	0.0929	0.0000	882.4177
Maximum	**6.7956**	**4.1808**	**3.8723**	**0.0121**	**0.8041**	**0.1393**	**0.9433**	**0.2608**	**0.1299**	**0.3907**	**0.0000**	**1,124.0865**	**1,124.0865**	**0.1416**	**0.0000**	**1,127.6276**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.4851	4.1808	3.8723	0.0121	0.8041	0.1393	0.9433	0.2608	0.1299	0.3907	0.0000	1,124.0862	1,124.0862	0.1416	0.0000	1,127.6272
2022	6.7956	2.5195	2.7896	9.4200e-003	0.5205	0.0690	0.5895	0.1402	0.0648	0.2050	0.0000	880.0942	880.0942	0.0929	0.0000	882.4174
Maximum	**6.7956**	**4.1808**	**3.8723**	**0.0121**	**0.8041**	**0.1393**	**0.9433**	**0.2608**	**0.1299**	**0.3907**	**0.0000**	**1,124.0862**	**1,124.0862**	**0.1416**	**0.0000**	**1,127.6272**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**3-1-2021**	**5-31-2021**	1.4520	1.4520
2	**6-1-2021**	**8-31-2021**	1.3562	1.3562
3	**9-1-2021**	**11-30-2021**	1.3586	1.3586
4	**12-1-2021**	**2-28-2022**	1.2825	1.2825
5	**3-1-2022**	**5-31-2022**	1.2579	1.2579
6	**6-1-2022**	**8-31-2022**	5.1461	5.1461
7	**9-1-2022**	**9-30-2022**	2.0898	2.0898
		Highest	5.1461	5.1461

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.3789	0.0835	6.3194	4.0000e-004		0.0359	0.0359		0.0359	0.0359	0.0000	22.8052	22.8052	0.0102	2.3000e-004	23.1275
Energy	0.0382	0.3264	0.1394	2.0800e-003		0.0264	0.0264		0.0264	0.0264	0.0000	1,699.5105	1,699.5105	0.0670	0.0193	1,706.9347
Mobile	0.5067	0.7534	6.0573	0.0212	2.2911	0.0178	2.3089	0.6112	0.0164	0.6276	0.0000	1,925.8795	1,925.8795	0.0647	0.0000	1,927.4981
Waste						0.0000	0.0000		0.0000	0.0000	81.0381	0.0000	81.0381	4.7892	0.0000	200.7683
Water						0.0000	0.0000		0.0000	0.0000	17.7461	128.7993	146.5453	1.8285	0.0442	205.4425
Total	**3.9237**	**1.1634**	**12.5161**	**0.0237**	**2.2911**	**0.0800**	**2.3711**	**0.6112**	**0.0786**	**0.6898**	**98.7841**	**3,776.9944**	**3,875.7786**	**6.7596**	**0.0638**	**4,063.7711**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.3789	0.0835	6.3194	4.0000e-004		0.0359	0.0359		0.0359	0.0359	0.0000	22.8052	22.8052	0.0102	2.3000e-004	23.1275
Energy	0.0382	0.3264	0.1394	2.0800e-003		0.0264	0.0264		0.0264	0.0264	0.0000	1,699.5105	1,699.5105	0.0670	0.0193	1,706.9347
Mobile	0.5067	0.7534	6.0573	0.0212	2.2911	0.0178	2.3089	0.6112	0.0164	0.6276	0.0000	1,925.8795	1,925.8795	0.0647	0.0000	1,927.4981
Waste						0.0000	0.0000		0.0000	0.0000	81.0381	0.0000	81.0381	4.7892	0.0000	200.7683
Water						0.0000	0.0000		0.0000	0.0000	17.7461	128.7993	146.5453	1.8285	0.0442	205.4425
Total	**3.9237**	**1.1634**	**12.5161**	**0.0237**	**2.2911**	**0.0800**	**2.3711**	**0.6112**	**0.0786**	**0.6898**	**98.7841**	**3,776.9944**	**3,875.7786**	**6.7596**	**0.0638**	**4,063.7711**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/1/2021	3/26/2021	5	20	
2	Site Preparation	Site Preparation	3/27/2021	4/9/2021	5	10	
3	Grading	Grading	4/10/2021	5/21/2021	5	30	
4	Building Construction	Building Construction	5/22/2021	7/15/2022	5	300	
5	Paving	Paving	7/16/2022	8/12/2022	5	20	
6	Architectural Coating	Architectural Coating	8/13/2022	9/9/2022	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 1,838,700; Residential Outdoor: 612,900; Non-Residential Indoor: 11,250; Non-Residential Outdoor: 3,750; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class

Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	785.00	159.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	157.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400
Total	**0.0317**	**0.3144**	**0.2157**	**3.9000e-004**		**0.0155**	**0.0155**		**0.0144**	**0.0144**	**0.0000**	**34.0008**	**34.0008**	**9.5700e-003**	**0.0000**	**34.2400**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.7000e-004	3.1200e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0863	1.0863	2.0000e-005	0.0000	1.0868
Total	**4.3000e-004**	**2.7000e-004**	**3.1200e-003**	**1.0000e-005**	**1.1900e-003**	**1.0000e-005**	**1.1900e-003**	**3.2000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.0863**	**1.0863**	**2.0000e-005**	**0.0000**	**1.0868**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400
Total	**0.0317**	**0.3144**	**0.2157**	**3.9000e-004**		**0.0155**	**0.0155**		**0.0144**	**0.0144**	**0.0000**	**34.0007**	**34.0007**	**9.5700e-003**	**0.0000**	**34.2400**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.7000e-004	3.1200e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0863	1.0863	2.0000e-005	0.0000	1.0868
Total	**4.3000e-004**	**2.7000e-004**	**3.1200e-003**	**1.0000e-005**	**1.1900e-003**	**1.0000e-005**	**1.1900e-003**	**3.2000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.0863**	**1.0863**	**2.0000e-005**	**0.0000**	**1.0868**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7179	16.7179	5.4100e-003	0.0000	16.8530
Total	**0.0194**	**0.2025**	**0.1058**	**1.9000e-004**	**0.0903**	**0.0102**	**0.1006**	**0.0497**	**9.4000e-003**	**0.0591**	**0.0000**	**16.7179**	**16.7179**	**5.4100e-003**	**0.0000**	**16.8530**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.6000e-004	1.8700e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6518	0.6518	1.0000e-005	0.0000	0.6521
Total	**2.6000e-004**	**1.6000e-004**	**1.8700e-003**	**1.0000e-005**	**7.1000e-004**	**1.0000e-005**	**7.2000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.6518**	**0.6518**	**1.0000e-005**	**0.0000**	**0.6521**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7178	16.7178	5.4100e-003	0.0000	16.8530
Total	**0.0194**	**0.2025**	**0.1058**	**1.9000e-004**	**0.0903**	**0.0102**	**0.1006**	**0.0497**	**9.4000e-003**	**0.0591**	**0.0000**	**16.7178**	**16.7178**	**5.4100e-003**	**0.0000**	**16.8530**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.6000e-004	1.8700e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6518	0.6518	1.0000e-005	0.0000	0.6521
Total	**2.6000e-004**	**1.6000e-004**	**1.8700e-003**	**1.0000e-005**	**7.1000e-004**	**1.0000e-005**	**7.2000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.6518**	**0.6518**	**1.0000e-005**	**0.0000**	**0.6521**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0629	0.6960	0.4632	9.3000e-004		0.0298	0.0298		0.0274	0.0274	0.0000	81.7425	81.7425	0.0264	0.0000	82.4034

Total	**0.0629**	**0.6960**	**0.4632**	**9.3000e-004**	**0.1301**	**0.0298**	**0.1599**	**0.0540**	**0.0274**	**0.0814**	**0.0000**	**81.7425**	**81.7425**	**0.0264**	**0.0000**	**82.4034**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5000e-004	5.5000e-004	6.2400e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	2.1725	2.1725	4.0000e-005	0.0000	2.1736
Total	**8.5000e-004**	**5.5000e-004**	**6.2400e-003**	**2.0000e-005**	**2.3700e-003**	**2.0000e-005**	**2.3900e-003**	**6.3000e-004**	**2.0000e-005**	**6.5000e-004**	**0.0000**	**2.1725**	**2.1725**	**4.0000e-005**	**0.0000**	**2.1736**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0629	0.6960	0.4632	9.3000e-004		0.0298	0.0298		0.0274	0.0274	0.0000	81.7424	81.7424	0.0264	0.0000	82.4033
Total	**0.0629**	**0.6960**	**0.4632**	**9.3000e-004**	**0.1301**	**0.0298**	**0.1599**	**0.0540**	**0.0274**	**0.0814**	**0.0000**	**81.7424**	**81.7424**	**0.0264**	**0.0000**	**82.4033**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5000e-004	5.5000e-004	6.2400e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	2.1725	2.1725	4.0000e-005	0.0000	2.1736
Total	**8.5000e-004**	**5.5000e-004**	**6.2400e-003**	**2.0000e-005**	**2.3700e-003**	**2.0000e-005**	**2.3900e-003**	**6.3000e-004**	**2.0000e-005**	**6.5000e-004**	**0.0000**	**2.1725**	**2.1725**	**4.0000e-005**	**0.0000**	**2.1736**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1521	1.3946	1.3260	2.1500e-003		0.0767	0.0767		0.0721	0.0721	0.0000	185.3098	185.3098	0.0447	0.0000	186.4275
Total	**0.1521**	**1.3946**	**1.3260**	**2.1500e-003**		**0.0767**	**0.0767**		**0.0721**	**0.0721**	**0.0000**	**185.3098**	**185.3098**	**0.0447**	**0.0000**	**186.4275**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0388	1.4582	0.4450	3.3900e-003	0.0831	3.2700e-003	0.0864	0.0240	3.1300e-003	0.0272	0.0000	347.6241	347.6241	0.0461	0.0000	348.7771
Worker	0.1787	0.1142	1.3054	5.0200e-003	0.4962	3.7500e-003	0.5000	0.1320	3.4500e-003	0.1355	0.0000	454.7809	454.7809	9.3200e-003	0.0000	455.0140
Total	**0.2175**	**1.5724**	**1.7504**	**8.4100e-003**	**0.5794**	**7.0200e-003**	**0.5864**	**0.1560**	**6.5800e-003**	**0.1626**	**0.0000**	**802.4051**	**802.4051**	**0.0554**	**0.0000**	**803.7911**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1521	1.3946	1.3260	2.1500e-003		0.0767	0.0767		0.0721	0.0721	0.0000	185.3096	185.3096	0.0447	0.0000	186.4273
Total	**0.1521**	**1.3946**	**1.3260**	**2.1500e-003**		**0.0767**	**0.0767**		**0.0721**	**0.0721**	**0.0000**	**185.3096**	**185.3096**	**0.0447**	**0.0000**	**186.4273**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0388	1.4582	0.4450	3.3900e-003	0.0831	3.2700e-003	0.0864	0.0240	3.1300e-003	0.0272	0.0000	347.6241	347.6241	0.0461	0.0000	348.7771
Worker	0.1787	0.1142	1.3054	5.0200e-003	0.4962	3.7500e-003	0.5000	0.1320	3.4500e-003	0.1355	0.0000	454.7809	454.7809	9.3200e-003	0.0000	455.0140

Total	**0.2175**	**1.5724**	**1.7504**	**8.4100e-003**	**0.5794**	**7.0200e-003**	**0.5864**	**0.1560**	**6.5800e-003**	**0.1626**	**0.0000**	**802.4051**	**802.4051**	**0.0554**	**0.0000**	**803.7911**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1194	1.0931	1.1454	1.8900e-003		0.0566	0.0566		0.0533	0.0533	0.0000	162.2077	162.2077	0.0389	0.0000	163.1792
Total	**0.1194**	**1.0931**	**1.1454**	**1.8900e-003**		**0.0566**	**0.0566**		**0.0533**	**0.0533**	**0.0000**	**162.2077**	**162.2077**	**0.0389**	**0.0000**	**163.1792**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0318	1.2080	0.3822	2.9100e-003	0.0728	2.5300e-003	0.0753	0.0210	2.4200e-003	0.0235	0.0000	300.1545	300.1545	0.0398	0.0000	301.1497
Worker	0.1475	0.0902	1.0647	4.2300e-003	0.4342	3.2300e-003	0.4374	0.1155	2.9800e-003	0.1185	0.0000	383.1582	383.1582	7.3800e-003	0.0000	383.3428
Total	**0.1794**	**1.2983**	**1.4469**	**7.1400e-003**	**0.5070**	**5.7600e-003**	**0.5127**	**0.1365**	**5.4000e-003**	**0.1419**	**0.0000**	**683.3127**	**683.3127**	**0.0472**	**0.0000**	**684.4925**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1194	1.0931	1.1454	1.8900e-003		0.0566	0.0566		0.0533	0.0533	0.0000	162.2075	162.2075	0.0389	0.0000	163.1790
Total	**0.1194**	**1.0931**	**1.1454**	**1.8900e-003**		**0.0566**	**0.0566**		**0.0533**	**0.0533**	**0.0000**	**162.2075**	**162.2075**	**0.0389**	**0.0000**	**163.1790**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0318	1.2080	0.3822	2.9100e-003	0.0728	2.5300e-003	0.0753	0.0210	2.4200e-003	0.0235	0.0000	300.1545	300.1545	0.0398	0.0000	301.1497
Worker	0.1475	0.0902	1.0647	4.2300e-003	0.4342	3.2300e-003	0.4374	0.1155	2.9800e-003	0.1185	0.0000	383.1582	383.1582	7.3800e-003	0.0000	383.3428
Total	**0.1794**	**1.2983**	**1.4469**	**7.1400e-003**	**0.5070**	**5.7600e-003**	**0.5127**	**0.1365**	**5.4000e-003**	**0.1419**	**0.0000**	**683.3127**	**683.3127**	**0.0472**	**0.0000**	**684.4925**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0110**	**0.1113**	**0.1458**	**2.3000e-004**		**5.6800e-003**	**5.6800e-003**		**5.2200e-003**	**5.2200e-003**	**0.0000**	**20.0276**	**20.0276**	**6.4800e-003**	**0.0000**	**20.1895**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.5000e-004	2.9100e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0459	1.0459	2.0000e-005	0.0000	1.0464
Total	**4.0000e-004**	**2.5000e-004**	**2.9100e-003**	**1.0000e-005**	**1.1900e-003**	**1.0000e-005**	**1.1900e-003**	**3.2000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.0459**	**1.0459**	**2.0000e-005**	**0.0000**	**1.0464**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0110**	**0.1113**	**0.1458**	**2.3000e-004**		**5.6800e-003**	**5.6800e-003**		**5.2200e-003**	**5.2200e-003**	**0.0000**	**20.0275**	**20.0275**	**6.4800e-003**	**0.0000**	**20.1895**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.5000e-004	2.9100e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0459	1.0459	2.0000e-005	0.0000	1.0464
Total	**4.0000e-004**	**2.5000e-004**	**2.9100e-003**	**1.0000e-005**	**1.1900e-003**	**1.0000e-005**	**1.1900e-003**	**3.2000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.0459**	**1.0459**	**2.0000e-005**	**0.0000**	**1.0464**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	6.4791					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	**6.4811**	**0.0141**	**0.0181**	**3.0000e-005**		**8.2000e-004**	**8.2000e-004**		**8.2000e-004**	**8.2000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.7000e-004**	**0.0000**	**2.5574**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2200e-003	2.5800e-003	0.0304	1.2000e-004	0.0124	9.0000e-005	0.0125	3.3000e-003	9.0000e-005	3.3900e-003	0.0000	10.9474	10.9474	2.1000e-004	0.0000	10.9527
Total	**4.2200e-003**	**2.5800e-003**	**0.0304**	**1.2000e-004**	**0.0124**	**9.0000e-005**	**0.0125**	**3.3000e-003**	**9.0000e-005**	**3.3900e-003**	**0.0000**	**10.9474**	**10.9474**	**2.1000e-004**	**0.0000**	**10.9527**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	6.4791					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	**6.4811**	**0.0141**	**0.0181**	**3.0000e-005**		**8.2000e-004**	**8.2000e-004**		**8.2000e-004**	**8.2000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.7000e-004**	**0.0000**	**2.5574**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Worker	4.2200e-003	2.5800e-003	0.0304	1.2000e-004	0.0124	9.0000e-005	0.0125	3.3000e-003	9.0000e-005	3.3900e-003	0.0000	10.9474	10.9474	2.1000e-004	0.0000	10.9527
Total	**4.2200e-003**	**2.5800e-003**	**0.0304**	**1.2000e-004**	**0.0124**	**9.0000e-005**	**0.0125**	**3.3000e-003**	**9.0000e-005**	**3.3900e-003**	**0.0000**	**10.9474**	**10.9474**	**2.1000e-004**	**0.0000**	**10.9527**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5067	0.7534	6.0573	0.0212	2.2911	0.0178	2.3089	0.6112	0.0164	0.6276	0.0000	1,925.8795	1,925.8795	0.0647	0.0000	1,927.4981
Unmitigated	0.5067	0.7534	6.0573	0.0212	2.2911	0.0178	2.3089	0.6112	0.0164	0.6276	0.0000	1,925.8795	1,925.8795	0.0647	0.0000	1,927.4981

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,257.16	2,257.16	2257.16	5,871,202	5,871,202
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Strip Mall	192.00	192.00	192.00	535,705	535,705
Total	2,449.16	2,449.16	2,449.16	6,406,907	6,406,907

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0

City Park	9.50	7.30	7.30	33.00	48.00	19.00	100	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	100	0	0
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.689078	0.043458	0.219278	0.024746	0.003772	0.001397	0.008589	0.002547	0.000000	0.000000	0.007136	0.000000	0.000000
City Park	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Enclosed Parking with Elevator	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Strip Mall	0.716265	0.045172	0.227929	0.001939	0.000296	0.000109	0.000673	0.000200	0.000000	0.000000	0.007417	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,321.5494	1,321.5494	0.0598	0.0124	1,326.7276
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,321.5494	1,321.5494	0.0598	0.0124	1,326.7276
NaturalGas Mitigated	0.0382	0.3264	0.1394	2.0800e-003		0.0264	0.0264		0.0264	0.0264	0.0000	377.9611	377.9611	7.2400e-003	6.9300e-003	380.2071
NaturalGas Unmitigated	0.0382	0.3264	0.1394	2.0800e-003		0.0264	0.0264		0.0264	0.0264	0.0000	377.9611	377.9611	7.2400e-003	6.9300e-003	380.2071

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	7.057e+006	0.0381	0.3252	0.1384	2.0800e-003		0.0263	0.0263		0.0263	0.0263	0.0000	376.5883	376.5883	7.2200e-003	6.9000e-003	378.8261
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	25725	1.4000e-004	1.2600e-003	1.0600e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.3728	1.3728	3.0000e-005	3.0000e-005	1.3809
Total		**0.0382**	**0.3264**	**0.1394**	**2.0900e-003**		**0.0264**	**0.0264**		**0.0264**	**0.0264**	**0.0000**	**377.9610**	**377.9610**	**7.2500e-003**	**6.9300e-003**	**380.2071**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	7.057e+006	0.0381	0.3252	0.1384	2.0800e-003		0.0263	0.0263		0.0263	0.0263	0.0000	376.5883	376.5883	7.2200e-003	6.9000e-003	378.8261
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	25725	1.4000e-004	1.2600e-003	1.0600e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.3728	1.3728	3.0000e-005	3.0000e-005	1.3809
Total		**0.0382**	**0.3264**	**0.1394**	**2.0900e-003**		**0.0264**	**0.0264**		**0.0264**	**0.0264**	**0.0000**	**377.9610**	**377.9610**	**7.2500e-003**	**6.9300e-003**	**380.2071**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	3.5192e+006	1,023.7768	0.0463	9.5800e-003	1,027.7883
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	960960	279.5543	0.0126	2.6200e-003	280.6497
Strip Mall	62625	18.2183	8.2000e-004	1.7000e-004	18.2897
Total		**1,321.5494**	**0.0598**	**0.0124**	**1,326.7276**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	3.5192e+006	1,023.7768	0.0463	9.5800e-003	1,027.7883
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	960960	279.5543	0.0126	2.6200e-003	280.6497
Strip Mall	62625	18.2183	8.2000e-004	1.7000e-004	18.2897
Total		**1,321.5494**	**0.0598**	**0.0124**	**1,326.7276**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.3789	0.0835	6.3194	4.0000e-004		0.0359	0.0359		0.0359	0.0359	0.0000	22.8052	22.8052	0.0102	2.3000e-004	23.1275
Unmitigated	3.3789	0.0835	6.3194	4.0000e-004		0.0359	0.0359		0.0359	0.0359	0.0000	22.8052	22.8052	0.0102	2.3000e-004	23.1275

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6479					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5395					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.2600e-003	0.0108	4.5900e-003	7.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	12.4839	12.4839	2.4000e-004	2.3000e-004	12.5581
Landscaping	0.1903	0.0727	6.3148	3.3000e-004		0.0350	0.0350		0.0350	0.0350	0.0000	10.3213	10.3213	9.9200e-003	0.0000	10.5694
Total	**3.3789**	**0.0835**	**6.3194**	**4.0000e-004**		**0.0359**	**0.0359**		**0.0359**	**0.0359**	**0.0000**	**22.8052**	**22.8052**	**0.0102**	**2.3000e-004**	**23.1275**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6479					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5395					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.2600e-003	0.0108	4.5900e-003	7.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	12.4839	12.4839	2.4000e-004	2.3000e-004	12.5581
Landscaping	0.1903	0.0727	6.3148	3.3000e-004		0.0350	0.0350		0.0350	0.0350	0.0000	10.3213	10.3213	9.9200e-003	0.0000	10.5694
Total	**3.3789**	**0.0835**	**6.3194**	**4.0000e-004**		**0.0359**	**0.0359**		**0.0359**	**0.0359**	**0.0000**	**22.8052**	**22.8052**	**0.0102**	**2.3000e-004**	**23.1275**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	146.5453	1.8285	0.0442	205.4425
Unmitigated	146.5453	1.8285	0.0442	205.4425

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e

Land Use	Mgal	MT/yr			
Apartments Mid Rise	55.3809 / 34.9141	140.2953	1.8101	0.0438	198.5887
City Park	0 / 4.76593	4.8526	2.2000e-004	5.0000e-005	4.8716
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.555544 / 0.340495	1.3974	0.0182	4.4000e-004	1.9822
Total		**146.5453**	**1.8285**	**0.0443**	**205.4425**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	55.3809 / 34.9141	140.2953	1.8101	0.0438	198.5887
City Park	0 / 4.76593	4.8526	2.2000e-004	5.0000e-005	4.8716
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.555544 / 0.340495	1.3974	0.0182	4.4000e-004	1.9822
Total		**146.5453**	**1.8285**	**0.0443**	**205.4425**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	81.0381	4.7892	0.0000	200.7683
Unmitigated	81.0381	4.7892	0.0000	200.7683

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	391	79.3695	4.6906	0.0000	196.6345
City Park	0.34	0.0690	4.0800e-003	0.0000	0.1710
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	7.88	1.5996	0.0945	0.0000	3.9629
Total		**81.0381**	**4.7892**	**0.0000**	**200.7683**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e

Land Use	tons	MT/yr			
Apartments Mid Rise	391	79.3695	4.6906	0.0000	196.6345
City Park	0.34	0.0690	4.0800e-003	0.0000	0.1710
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	7.88	1.5996	0.0945	0.0000	3.9629
Total		**81.0381**	**4.7892**	**0.0000**	**200.7683**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

A8 CalEEMod Output: Additional Housing Option – Operational Emissions – Full Buildout

Balboa Reservoir-Add'l Housing Option Full Buildout Operations - San Francisco County, Annual

Balboa Reservoir-Add'l Housing Option Full Buildout Operations

San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Day-Care Center	10.00	1000sqft	0.00	10,000.00	0
Enclosed Parking with Elevator	650.00	Space	0.00	231,000.00	0
City Park	4.00	Acre	4.00	174,240.00	0
Apartments Mid Rise	1,550.00	Dwelling Unit	13.00	1,588,000.00	4433
Strip Mall	7.50	1000sqft	0.00	7,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	4.6	**Precipitation Freq (Days)**	64
Climate Zone	5			**Operational Year**	2027
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project Specific Information

Vehicle Trips - Trips Rates consistent with Traffic Study, 100 percent primary trips

Road Dust - San Francisco-specific road dust

Woodstoves - Only 100 units would have natural gas fireplaces

Consumer Products - SF-specific consumer product VOC emission rate

Energy Use - CalEEMod Energy Use factors updated to reflect 2019 Title 24 Standards

Table Name	Column Name	Default Value	New Value
tblConsumerProducts	ROG_EF	2.14E-05	1.51E-05
tblEnergyUse	LightingElect	741.44	689.54
tblEnergyUse	LightingElect	2.51	1.76
tblEnergyUse	LightingElect	1.75	1.23
tblEnergyUse	LightingElect	4.88	3.42
tblEnergyUse	T24E	426.45	396.60
tblEnergyUse	T24E	0.66	0.46
tblEnergyUse	T24E	3.92	2.74
tblEnergyUse	T24E	2.24	1.57
tblEnergyUse	T24NG	6,115.43	5,687.35
tblEnergyUse	T24NG	14.85	10.39
tblEnergyUse	T24NG	3.90	2.73
tblFireplaces	NumberGas	232.50	100.00
tblFireplaces	NumberNoFireplace	62.00	1,450.00
tblFireplaces	NumberWood	263.50	0.00
tblFleetMix	HHD	9.4710e-003	2.5607e-003
tblFleetMix	HHD	9.4710e-003	0.00
tblFleetMix	HHD	9.4710e-003	0.00
tblFleetMix	HHD	9.4710e-003	0.00
tblFleetMix	HHD	9.4710e-003	2.0067e-004
tblFleetMix	LDA	0.60	0.69
tblFleetMix	LDA	0.60	0.00
tblFleetMix	LDA	0.60	0.72
tblFleetMix	LDA	0.60	0.00
tblFleetMix	LDA	0.60	0.72
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.00

tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.19	0.22
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LDT2	0.19	0.23
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LDT2	0.19	0.23
tblFleetMix	LHD1	0.01	3.4849e-003
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD1	0.01	2.7309e-004
tblFleetMix	LHD2	5.1840e-003	1.4016e-003
tblFleetMix	LHD2	5.1840e-003	0.00
tblFleetMix	LHD2	5.1840e-003	0.00
tblFleetMix	LHD2	5.1840e-003	0.00
tblFleetMix	LHD2	5.1840e-003	1.0984e-004
tblFleetMix	MCY	5.9520e-003	6.7997e-003
tblFleetMix	MCY	5.9520e-003	0.00
tblFleetMix	MCY	5.9520e-003	7.0908e-003
tblFleetMix	MCY	5.9520e-003	0.00
tblFleetMix	MCY	5.9520e-003	7.0680e-003
tblFleetMix	MDV	0.09	0.02
tblFleetMix	MDV	0.09	0.00
tblFleetMix	MDV	0.09	0.00
tblFleetMix	MDV	0.09	0.00
tblFleetMix	MDV	0.09	1.9293e-003
tblFleetMix	MH	5.6100e-004	0.00
tblFleetMix	MH	5.6100e-004	0.00

tblFleetMix	MH	5.6100e-004	0.00
tblFleetMix	MH	5.6100e-004	0.00
tblFleetMix	MH	5.6100e-004	0.00
tblFleetMix	MHD	0.03	8.9846e-003
tblFleetMix	MHD	0.03	0.00
tblFleetMix	MHD	0.03	0.00
tblFleetMix	MHD	0.03	0.00
tblFleetMix	MHD	0.03	7.0407e-004
tblFleetMix	OBUS	4.2720e-003	0.00
tblFleetMix	OBUS	4.2720e-003	0.00
tblFleetMix	OBUS	4.2720e-003	0.00
tblFleetMix	OBUS	4.2720e-003	0.00
tblFleetMix	OBUS	4.2720e-003	0.00
tblFleetMix	SBUS	9.5600e-004	0.00
tblFleetMix	SBUS	9.5600e-004	0.00
tblFleetMix	SBUS	9.5600e-004	0.00
tblFleetMix	SBUS	9.5600e-004	0.00
tblFleetMix	SBUS	9.5600e-004	0.00
tblFleetMix	UBUS	2.9830e-003	0.00
tblFleetMix	UBUS	2.9830e-003	0.00
tblFleetMix	UBUS	2.9830e-003	0.00
tblFleetMix	UBUS	2.9830e-003	0.00
tblFleetMix	UBUS	2.9830e-003	0.00
tblLandUse	LandUseSquareFeet	260,000.00	231,000.00
tblLandUse	LandUseSquareFeet	1,550,000.00	1,588,000.00
tblLandUse	LotAcreage	0.23	0.00
tblLandUse	LotAcreage	5.85	0.00
tblLandUse	LotAcreage	40.79	13.00
tblLandUse	LotAcreage	0.17	0.00
tblRoadDust	RoadSiltLoading	0.1	0.09696

tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	58.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	14.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	28.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	6.39	2.66
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	6.21	13.40
tblVehicleTrips	ST_TR	42.04	25.60
tblVehicleTrips	SU_TR	5.86	2.66
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	5.83	13.40
tblVehicleTrips	SU_TR	20.43	25.60
tblVehicleTrips	WD_TR	6.65	2.66
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	74.06	13.40
tblVehicleTrips	WD_TR	44.32	25.60
tblWoodstoves	NumberCatalytic	31.00	0.00
tblWoodstoves	NumberNoncatalytic	31.00	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.6193	4.9517	4.9297	0.0170	1.1649	0.1433	1.3082	0.3577	0.1337	0.4914	0.0000	1,584.5506	1,584.5506	0.1697	0.0000	1,588.7935
2022	11.7479	3.1570	3.6810	0.0136	0.8444	0.0724	0.9167	0.2271	0.0680	0.2951	0.0000	1,278.6314	1,278.6314	0.1169	0.0000	1,281.5532
Maximum	**11.7479**	**4.9517**	**4.9297**	**0.0170**	**1.1649**	**0.1433**	**1.3082**	**0.3577**	**0.1337**	**0.4914**	**0.0000**	**1,584.5506**	**1,584.5506**	**0.1697**	**0.0000**	**1,588.7935**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.6193	4.9517	4.9297	0.0170	1.1649	0.1433	1.3082	0.3577	0.1337	0.4914	0.0000	1,584.5502	1,584.5502	0.1697	0.0000	1,588.7931
2022	11.7479	3.1570	3.6810	0.0136	0.8444	0.0724	0.9167	0.2271	0.0680	0.2951	0.0000	1,278.6312	1,278.6312	0.1169	0.0000	1,281.5530
Maximum	**11.7479**	**4.9517**	**4.9297**	**0.0170**	**1.1649**	**0.1433**	**1.3082**	**0.3577**	**0.1337**	**0.4914**	**0.0000**	**1,584.5502**	**1,584.5502**	**0.1697**	**0.0000**	**1,588.7931**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**3-1-2021**	**5-31-2021**	1.4916	1.4916
2	**6-1-2021**	**8-31-2021**	1.7202	1.7202

3	**9-1-2021**	**11-30-2021**	1.7289	1.7289
4	**12-1-2021**	**2-28-2022**	1.6397	1.6397
5	**3-1-2022**	**5-31-2022**	1.6060	1.6060
6	**6-1-2022**	**8-31-2022**	8.6004	8.6004
7	**9-1-2022**	**9-30-2022**	3.6465	3.6465
		Highest	8.6004	8.6004

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.9198	0.1433	11.5088	6.8000e-004		0.0647	0.0647		0.0647	0.0647	0.0000	31.2956	31.2956	0.0183	2.3000e-004	31.8206
Energy	0.0702	0.6001	0.2583	3.8300e-003		0.0485	0.0485		0.0485	0.0485	0.0000	2,869.3141	2,869.3141	0.1117	0.0331	2,881.9627
Mobile	0.7931	1.2000	9.3666	0.0344	4.1529	0.0295	4.1824	1.1080	0.0272	1.1351	0.0000	3,132.0748	3,132.0748	0.1034	0.0000	3,134.6608
Waste						0.0000	0.0000		0.0000	0.0000	149.0400	0.0000	149.0400	8.8080	0.0000	369.2404
Water						0.0000	0.0000		0.0000	0.0000	32.3514	231.6654	264.0168	3.3333	0.0806	371.3751
Total	**6.7831**	**1.9434**	**21.1337**	**0.0389**	**4.1529**	**0.1427**	**4.2955**	**1.1080**	**0.1404**	**1.2483**	**181.3914**	**6,264.3498**	**6,445.7412**	**12.3746**	**0.1139**	**6,789.0595**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Area	5.9198	0.1433	11.5088	6.8000e-004		0.0647	0.0647		0.0647	0.0647	0.0000	31.2956	31.2956	0.0183	2.3000e-004	31.8206
Energy	0.0702	0.6001	0.2583	3.8300e-003		0.0485	0.0485		0.0485	0.0485	0.0000	2,869.3141	2,869.3141	0.1117	0.0331	2,881.9627
Mobile	0.7931	1.2000	9.3666	0.0344	4.1529	0.0295	4.1824	1.1080	0.0272	1.1351	0.0000	3,132.0748	3,132.0748	0.1034	0.0000	3,134.6608
Waste						0.0000	0.0000		0.0000	0.0000	149.0400	0.0000	149.0400	8.8080	0.0000	369.2404
Water						0.0000	0.0000		0.0000	0.0000	32.3514	231.6654	264.0168	3.3333	0.0806	371.3751
Total	**6.7831**	**1.9434**	**21.1337**	**0.0389**	**4.1529**	**0.1427**	**4.2955**	**1.1080**	**0.1404**	**1.2483**	**181.3914**	**6,264.3498**	**6,445.7412**	**12.3746**	**0.1139**	**6,789.0595**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/1/2021	3/26/2021	5	20	
2	Site Preparation	Site Preparation	3/27/2021	4/9/2021	5	10	
3	Grading	Grading	4/10/2021	5/21/2021	5	30	
4	Building Construction	Building Construction	5/22/2021	7/15/2022	5	300	
5	Paving	Paving	7/16/2022	8/12/2022	5	20	
6	Architectural Coating	Architectural Coating	8/13/2022	9/9/2022	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 3,215,700; Residential Outdoor: 1,071,900; Non-Residential Indoor: 26,250; Non-Residential Outdoor: 8,750;

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,293.00	235.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	259.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400
Total	**0.0317**	**0.3144**	**0.2157**	**3.9000e-004**		**0.0155**	**0.0155**		**0.0144**	**0.0144**	**0.0000**	**34.0008**	**34.0008**	**9.5700e-003**	**0.0000**	**34.2400**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.7000e-004	3.1200e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0863	1.0863	2.0000e-005	0.0000	1.0868
Total	**4.3000e-004**	**2.7000e-004**	**3.1200e-003**	**1.0000e-005**	**1.1900e-003**	**1.0000e-005**	**1.1900e-003**	**3.2000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.0863**	**1.0863**	**2.0000e-005**	**0.0000**	**1.0868**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400
Total	**0.0317**	**0.3144**	**0.2157**	**3.9000e-004**		**0.0155**	**0.0155**		**0.0144**	**0.0144**	**0.0000**	**34.0007**	**34.0007**	**9.5700e-003**	**0.0000**	**34.2400**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.7000e-004	3.1200e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0863	1.0863	2.0000e-005	0.0000	1.0868
Total	**4.3000e-004**	**2.7000e-004**	**3.1200e-003**	**1.0000e-005**	**1.1900e-003**	**1.0000e-005**	**1.1900e-003**	**3.2000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.0863**	**1.0863**	**2.0000e-005**	**0.0000**	**1.0868**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7179	16.7179	5.4100e-003	0.0000	16.8530
Total	**0.0194**	**0.2025**	**0.1058**	**1.9000e-004**	**0.0903**	**0.0102**	**0.1006**	**0.0497**	**9.4000e-003**	**0.0591**	**0.0000**	**16.7179**	**16.7179**	**5.4100e-003**	**0.0000**	**16.8530**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.6000e-004	1.8700e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6518	0.6518	1.0000e-005	0.0000	0.6521
Total	**2.6000e-004**	**1.6000e-004**	**1.8700e-003**	**1.0000e-005**	**7.1000e-004**	**1.0000e-005**	**7.2000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.6518**	**0.6518**	**1.0000e-005**	**0.0000**	**0.6521**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7178	16.7178	5.4100e-003	0.0000	16.8530
Total	**0.0194**	**0.2025**	**0.1058**	**1.9000e-004**	**0.0903**	**0.0102**	**0.1006**	**0.0497**	**9.4000e-003**	**0.0591**	**0.0000**	**16.7178**	**16.7178**	**5.4100e-003**	**0.0000**	**16.8530**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.6000e-004	1.8700e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6518	0.6518	1.0000e-005	0.0000	0.6521
Total	**2.6000e-004**	**1.6000e-004**	**1.8700e-003**	**1.0000e-005**	**7.1000e-004**	**1.0000e-005**	**7.2000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.6518**	**0.6518**	**1.0000e-005**	**0.0000**	**0.6521**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0629	0.6960	0.4632	9.3000e-004		0.0298	0.0298		0.0274	0.0274	0.0000	81.7425	81.7425	0.0264	0.0000	82.4034
Total	**0.0629**	**0.6960**	**0.4632**	**9.3000e-004**	**0.1301**	**0.0298**	**0.1599**	**0.0540**	**0.0274**	**0.0814**	**0.0000**	**81.7425**	**81.7425**	**0.0264**	**0.0000**	**82.4034**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5000e-004	5.5000e-004	6.2400e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	2.1725	2.1725	4.0000e-005	0.0000	2.1736
Total	**8.5000e-004**	**5.5000e-004**	**6.2400e-003**	**2.0000e-005**	**2.3700e-003**	**2.0000e-005**	**2.3900e-003**	**6.3000e-004**	**2.0000e-005**	**6.5000e-004**	**0.0000**	**2.1725**	**2.1725**	**4.0000e-005**	**0.0000**	**2.1736**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0629	0.6960	0.4632	9.3000e-004		0.0298	0.0298		0.0274	0.0274	0.0000	81.7424	81.7424	0.0264	0.0000	82.4033
Total	**0.0629**	**0.6960**	**0.4632**	**9.3000e-004**	**0.1301**	**0.0298**	**0.1599**	**0.0540**	**0.0274**	**0.0814**	**0.0000**	**81.7424**	**81.7424**	**0.0264**	**0.0000**	**82.4033**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Worker	8.5000e-004	5.5000e-004	6.2400e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	2.1725	2.1725	4.0000e-005	0.0000	2.1736
Total	**8.5000e-004**	**5.5000e-004**	**6.2400e-003**	**2.0000e-005**	**2.3700e-003**	**2.0000e-005**	**2.3900e-003**	**6.3000e-004**	**2.0000e-005**	**6.5000e-004**	**0.0000**	**2.1725**	**2.1725**	**4.0000e-005**	**0.0000**	**2.1736**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1521	1.3946	1.3260	2.1500e-003		0.0767	0.0767		0.0721	0.0721	0.0000	185.3098	185.3098	0.0447	0.0000	186.4275
Total	**0.1521**	**1.3946**	**1.3260**	**2.1500e-003**		**0.0767**	**0.0767**		**0.0721**	**0.0721**	**0.0000**	**185.3098**	**185.3098**	**0.0447**	**0.0000**	**186.4275**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0574	2.1552	0.6578	5.0100e-003	0.1229	4.8400e-003	0.1277	0.0355	4.6300e-003	0.0401	0.0000	513.7841	513.7841	0.0682	0.0000	515.4882
Worker	0.2944	0.1881	2.1501	8.2800e-003	0.8174	6.1800e-003	0.8235	0.2174	5.6900e-003	0.2231	0.0000	749.0850	749.0850	0.0154	0.0000	749.4689
Total	**0.3518**	**2.3433**	**2.8079**	**0.0133**	**0.9402**	**0.0110**	**0.9513**	**0.2530**	**0.0103**	**0.2633**	**0.0000**	**1,262.8691**	**1,262.8691**	**0.0835**	**0.0000**	**1,264.9570**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1521	1.3946	1.3260	2.1500e-003		0.0767	0.0767		0.0721	0.0721	0.0000	185.3096	185.3096	0.0447	0.0000	186.4273
Total	**0.1521**	**1.3946**	**1.3260**	**2.1500e-003**		**0.0767**	**0.0767**		**0.0721**	**0.0721**	**0.0000**	**185.3096**	**185.3096**	**0.0447**	**0.0000**	**186.4273**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0574	2.1552	0.6578	5.0100e-003	0.1229	4.8400e-003	0.1277	0.0355	4.6300e-003	0.0401	0.0000	513.7841	513.7841	0.0682	0.0000	515.4882
Worker	0.2944	0.1881	2.1501	8.2800e-003	0.8174	6.1800e-003	0.8235	0.2174	5.6900e-003	0.2231	0.0000	749.0850	749.0850	0.0154	0.0000	749.4689
Total	**0.3518**	**2.3433**	**2.8079**	**0.0133**	**0.9402**	**0.0110**	**0.9513**	**0.2530**	**0.0103**	**0.2633**	**0.0000**	**1,262.8691**	**1,262.8691**	**0.0835**	**0.0000**	**1,264.9570**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.1194	1.0931	1.1454	1.8900e-003		0.0566	0.0566		0.0533	0.0533	0.0000	162.2077	162.2077	0.0389	0.0000	163.1792
Total	**0.1194**	**1.0931**	**1.1454**	**1.8900e-003**		**0.0566**	**0.0566**		**0.0533**	**0.0533**	**0.0000**	**162.2077**	**162.2077**	**0.0389**	**0.0000**	**163.1792**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0470	1.7855	0.5649	4.3100e-003	0.1075	3.7400e-003	0.1113	0.0311	3.5800e-003	0.0347	0.0000	443.6245	443.6245	0.0588	0.0000	445.0955
Worker	0.2430	0.1486	1.7536	6.9700e-003	0.7152	5.3300e-003	0.7205	0.1903	4.9000e-003	0.1952	0.0000	631.1128	631.1128	0.0122	0.0000	631.4169
Total	**0.2900**	**1.9341**	**2.3186**	**0.0113**	**0.8227**	**9.0700e-003**	**0.8318**	**0.2213**	**8.4800e-003**	**0.2298**	**0.0000**	**1,074.7374**	**1,074.7374**	**0.0710**	**0.0000**	**1,076.5123**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1194	1.0931	1.1454	1.8900e-003		0.0566	0.0566		0.0533	0.0533	0.0000	162.2075	162.2075	0.0389	0.0000	163.1790
Total	**0.1194**	**1.0931**	**1.1454**	**1.8900e-003**		**0.0566**	**0.0566**		**0.0533**	**0.0533**	**0.0000**	**162.2075**	**162.2075**	**0.0389**	**0.0000**	**163.1790**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0470	1.7855	0.5649	4.3100e-003	0.1075	3.7400e-003	0.1113	0.0311	3.5800e-003	0.0347	0.0000	443.6245	443.6245	0.0588	0.0000	445.0955
Worker	0.2430	0.1486	1.7536	6.9700e-003	0.7152	5.3300e-003	0.7205	0.1903	4.9000e-003	0.1952	0.0000	631.1128	631.1128	0.0122	0.0000	631.4169
Total	**0.2900**	**1.9341**	**2.3186**	**0.0113**	**0.8227**	**9.0700e-003**	**0.8318**	**0.2213**	**8.4800e-003**	**0.2298**	**0.0000**	**1,074.7374**	**1,074.7374**	**0.0710**	**0.0000**	**1,076.5123**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0110**	**0.1113**	**0.1458**	**2.3000e-004**		**5.6800e-003**	**5.6800e-003**		**5.2200e-003**	**5.2200e-003**	**0.0000**	**20.0276**	**20.0276**	**6.4800e-003**	**0.0000**	**20.1895**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.5000e-004	2.9100e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0459	1.0459	2.0000e-005	0.0000	1.0464
Total	**4.0000e-004**	**2.5000e-004**	**2.9100e-003**	**1.0000e-005**	**1.1900e-003**	**1.0000e-005**	**1.1900e-003**	**3.2000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.0459**	**1.0459**	**2.0000e-005**	**0.0000**	**1.0464**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0110**	**0.1113**	**0.1458**	**2.3000e-004**		**5.6800e-003**	**5.6800e-003**		**5.2200e-003**	**5.2200e-003**	**0.0000**	**20.0275**	**20.0275**	**6.4800e-003**	**0.0000**	**20.1895**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Worker	4.0000e-004	2.5000e-004	2.9100e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0459	1.0459	2.0000e-005	0.0000	1.0464
Total	**4.0000e-004**	**2.5000e-004**	**2.9100e-003**	**1.0000e-005**	**1.1900e-003**	**1.0000e-005**	**1.1900e-003**	**3.2000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.0459**	**1.0459**	**2.0000e-005**	**0.0000**	**1.0464**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	11.3180					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	**11.3201**	**0.0141**	**0.0181**	**3.0000e-005**		**8.2000e-004**	**8.2000e-004**		**8.2000e-004**	**8.2000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.7000e-004**	**0.0000**	**2.5574**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9500e-003	4.2500e-003	0.0502	2.0000e-004	0.0205	1.5000e-004	0.0206	5.4400e-003	1.4000e-004	5.5800e-003	0.0000	18.0597	18.0597	3.5000e-004	0.0000	18.0684
Total	**6.9500e-003**	**4.2500e-003**	**0.0502**	**2.0000e-004**	**0.0205**	**1.5000e-004**	**0.0206**	**5.4400e-003**	**1.4000e-004**	**5.5800e-003**	**0.0000**	**18.0597**	**18.0597**	**3.5000e-004**	**0.0000**	**18.0684**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	11.3180					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	**11.3201**	**0.0141**	**0.0181**	**3.0000e-005**		**8.2000e-004**	**8.2000e-004**		**8.2000e-004**	**8.2000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.7000e-004**	**0.0000**	**2.5574**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9500e-003	4.2500e-003	0.0502	2.0000e-004	0.0205	1.5000e-004	0.0206	5.4400e-003	1.4000e-004	5.5800e-003	0.0000	18.0597	18.0597	3.5000e-004	0.0000	18.0684
Total	**6.9500e-003**	**4.2500e-003**	**0.0502**	**2.0000e-004**	**0.0205**	**1.5000e-004**	**0.0206**	**5.4400e-003**	**1.4000e-004**	**5.5800e-003**	**0.0000**	**18.0597**	**18.0597**	**3.5000e-004**	**0.0000**	**18.0684**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7931	1.2000	9.3666	0.0344	4.1529	0.0295	4.1824	1.1080	0.0272	1.1351	0.0000	3,132.0748	3,132.0748	0.1034	0.0000	3,134.6608
Unmitigated	0.7931	1.2000	9.3666	0.0344	4.1529	0.0295	4.1824	1.1080	0.0272	1.1351	0.0000	3,132.0748	3,132.0748	0.1034	0.0000	3,134.6608

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	4,116.00	4,116.00	4116.00	10,706,309	10,706,309
City Park	0.00	0.00	0.00		
Day-Care Center	134.00	134.00	134.00	369,693	369,693
Enclosed Parking with Elevator	0.00	0.00	0.00		
Strip Mall	192.00	192.00	192.00	535,705	535,705
Total	4,442.00	4,442.00	4,442.00	11,611,707	11,611,707

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-...	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0
City Park	9.50	7.30	7.30	33.00	48.00	19.00	100	0	0
Day-Care Center	9.50	7.30	7.30	12.70	82.30	5.00	100	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	100	0	0
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.689431	0.042227	0.220490	0.024619	0.003485	0.001402	0.008985	0.002561	0.000000	0.000000	0.006800	0.000000	0.000000

City Park	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Day-Care Center	0.718945	0.044035	0.229929	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.007091	0.000000	0.000000	0.000000
Enclosed Parking with Elevator	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Strip Mall	0.716632	0.043893	0.229189	0.001929	0.000273	0.000110	0.000704	0.000201	0.000000	0.000000	0.007068	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,174.8125	2,174.8125	0.0983	0.0204	2,183.3341
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,174.8125	2,174.8125	0.0983	0.0204	2,183.3341
NaturalGas Mitigated	0.0702	0.6001	0.2583	3.8300e-003		0.0485	0.0485		0.0485	0.0485	0.0000	694.5016	694.5016	0.0133	0.0127	698.6286
NaturalGas Unmitigated	0.0702	0.6001	0.2583	3.8300e-003		0.0485	0.0485		0.0485	0.0485	0.0000	694.5016	694.5016	0.0133	0.0127	698.6286

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					

Apartments Mid Rise	1.28686e+007	0.0694	0.5930	0.2523	3.7800e-003		0.0479	0.0479		0.0479	0.0479	0.0000	686.7198	686.7198	0.0132	0.0126	690.8006
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Day-Care Center	120100	6.5000e-004	5.8900e-003	4.9500e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	6.4090	6.4090	1.2000e-004	1.2000e-004	6.4471
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	25725	1.4000e-004	1.2600e-003	1.0600e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.3728	1.3728	3.0000e-005	3.0000e-005	1.3809
Total		**0.0702**	**0.6001**	**0.2583**	**3.8300e-003**		**0.0485**	**0.0485**		**0.0485**	**0.0485**	**0.0000**	**694.5015**	**694.5015**	**0.0133**	**0.0127**	**698.6286**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.28686e+007	0.0694	0.5930	0.2523	3.7800e-003		0.0479	0.0479		0.0479	0.0479	0.0000	686.7198	686.7198	0.0132	0.0126	690.8006
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Day-Care Center	120100	6.5000e-004	5.8900e-003	4.9500e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	6.4090	6.4090	1.2000e-004	1.2000e-004	6.4471
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	25725	1.4000e-004	1.2600e-003	1.0600e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.3728	1.3728	3.0000e-005	3.0000e-005	1.3809
Total		**0.0702**	**0.6001**	**0.2583**	**3.8300e-003**		**0.0485**	**0.0485**		**0.0485**	**0.0485**	**0.0000**	**694.5015**	**694.5015**	**0.0133**	**0.0127**	**698.6286**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e

Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	6.41737e+006	1,866.8871	0.0844	0.0175	1,874.2021
City Park	0	0.0000	0.0000	0.0000	0.0000
Day-Care Center	34900	10.1528	4.6000e-004	9.0000e-005	10.1926
Enclosed Parking with Elevator	960960	279.5543	0.0126	2.6200e-003	280.6497
Strip Mall	62625	18.2183	8.2000e-004	1.7000e-004	18.2897
Total		**2,174.8125**	**0.0983**	**0.0204**	**2,183.3341**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	6.41737e+006	1,866.8871	0.0844	0.0175	1,874.2021
City Park	0	0.0000	0.0000	0.0000	0.0000
Day-Care Center	34900	10.1528	4.6000e-004	9.0000e-005	10.1926
Enclosed Parking with Elevator	960960	279.5543	0.0126	2.6200e-003	280.6497
Strip Mall	62625	18.2183	8.2000e-004	1.7000e-004	18.2897
Total		**2,174.8125**	**0.0983**	**0.0204**	**2,183.3341**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.9198	0.1433	11.5088	6.8000e-004		0.0647	0.0647		0.0647	0.0647	0.0000	31.2956	31.2956	0.0183	2.3000e-004	31.8206
Unmitigated	5.9198	0.1433	11.5088	6.8000e-004		0.0647	0.0647		0.0647	0.0647	0.0000	31.2956	31.2956	0.0183	2.3000e-004	31.8206

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.1318					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.4409					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.2600e-003	0.0108	4.5900e-003	7.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	12.4839	12.4839	2.4000e-004	2.3000e-004	12.5581
Landscaping	0.3458	0.1325	11.5042	6.1000e-004		0.0638	0.0638		0.0638	0.0638	0.0000	18.8116	18.8116	0.0180	0.0000	19.2625
Total	**5.9198**	**0.1433**	**11.5088**	**6.8000e-004**		**0.0647**	**0.0647**		**0.0647**	**0.0647**	**0.0000**	**31.2956**	**31.2956**	**0.0183**	**2.3000e-004**	**31.8206**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.1318					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.4409					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.2600e-003	0.0108	4.5900e-003	7.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	12.4839	12.4839	2.4000e-004	2.3000e-004	12.5581
Landscaping	0.3458	0.1325	11.5042	6.1000e-004		0.0638	0.0638		0.0638	0.0638	0.0000	18.8116	18.8116	0.0180	0.0000	19.2625
Total	**5.9198**	**0.1433**	**11.5088**	**6.8000e-004**		**0.0647**	**0.0647**		**0.0647**	**0.0647**	**0.0000**	**31.2956**	**31.2956**	**0.0183**	**2.3000e-004**	**31.8206**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	264.0168	3.3333	0.0806	371.3751
Unmitigated	264.0168	3.3333	0.0806	371.3751

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e

Land Use	Mgal	MT/yr			
Apartments Mid Rise	100.989 / 63.6668	255.8326	3.3008	0.0798	362.1324
City Park	0 / 4.76593	4.8526	2.2000e-004	5.0000e-005	4.8716
Day-Care Center	0.428896 / 1.10287	1.9341	0.0141	3.5000e-004	2.3889
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.555544 / 0.340495	1.3974	0.0182	4.4000e-004	1.9822
Total		**264.0168**	**3.3333**	**0.0806**	**371.3751**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	100.989 / 63.6668	255.8326	3.3008	0.0798	362.1324
City Park	0 / 4.76593	4.8526	2.2000e-004	5.0000e-005	4.8716
Day-Care Center	0.428896 / 1.10287	1.9341	0.0141	3.5000e-004	2.3889
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.555544 / 0.340495	1.3974	0.0182	4.4000e-004	1.9822
Total		**264.0168**	**3.3333**	**0.0806**	**371.3751**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	149.0400	8.8080	0.0000	369.2404
Unmitigated	149.0400	8.8080	0.0000	369.2404

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	713	144.7326	8.5535	0.0000	358.5688
City Park	0.34	0.0690	4.0800e-003	0.0000	0.1710
Day-Care Center	13	2.6389	0.1560	0.0000	6.5377
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	7.88	1.5996	0.0945	0.0000	3.9629
Total		**149.0400**	**8.8080**	**0.0000**	**369.2404**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	713	144.7326	8.5535	0.0000	358.5688
City Park	0.34	0.0690	4.0800e-003	0.0000	0.1710
Day-Care Center	13	2.6389	0.1560	0.0000	6.5377
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	7.88	1.5996	0.0945	0.0000	3.9629
Total		**149.0400**	**8.8080**	**0.0000**	**369.2404**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

A9 Construction Haul Truck Idling Emissions

HHDT Idling Emissions Factors

HHDT	NOx	PM10	PM2_5	ROG	TOG
	g/min				
2021	5.99E-01	5.51E-04	5.28E-04	3.98E-02	4.53E-02
2022	5.71E-01	4.10E-04	3.92E-04	3.93E-02	4.48E-02
2023	5.23E-01	3.36E-04	3.21E-04	3.91E-02	4.45E-02
2024	5.18E-01	3.19E-04	3.05E-04	3.92E-02	4.46E-02
2025	5.13E-01	3.05E-04	2.91E-04	3.92E-02	4.46E-02
2026	5.09E-01	2.89E-04	2.77E-04	3.92E-02	4.46E-02
2027	5.05E-01	2.76E-04	2.64E-04	3.92E-02	4.46E-02

tons per gram	1.10229E-06
lbs per ton	2000

Developer Option

Phase/Activity	CalEEMod Phase	Start	End	Number of Days per Week	Workdays (6 Days/wk)	# of Trucks	Idling Time (min)	NOx	PM10	PM2_5	ROG	TOG	NOx	PM10	PM2_5	ROG	TOG
								tons/year					lb/day				
Phase 2-Material Off-Haul (No HD Equipment)	Building Construction	9/1/2024	10/25/2024	6	47	4750	15	4.1E-02	2.5E-05	2.4E-05	3.1E-03	3.5E-03	1.7E+00	1.1E-03	1.0E-03	1.3E-01	1.5E-01

Additional Housing Option

Phase/Activity	CalEEMod Phase	Start	End	Number of Days per Week	Workdays (6 Days/wk)	# of Trucks	Idling Time (min)	NOx	PM10	PM2_5	ROG	TOG	NOx	PM10	PM2_5	ROG	TOG
								tons/year					lb/day				
Phase 2-Material Off-Haul (No HD Equipment)	Building Construction	9/1/2024	9/10/2024	6	8	750	15	6.4E-03	4.0E-06	3.8E-06	4.9E-04	5.5E-04	1.6E+00	9.9E-04	9.5E-04	1.2E-01	1.4E-01

A10 Operational Delivery Vehicle Emissions

Loading Dock Truck Emissions

Table 8 Daily Service Vehicle Trips

Land Use	Size (Square Feet)	Turnover Rate	Delivery/Service Vehicle Trips		
			Daily	Average Hour	Peak Hour
Developer's Proposed Option					
Residential	1,283,000	0.03	38.5	1.8	2.2
Retail	7,500	0.22	1.7	0.1	0.1
Daycare	10,000	0.1	1	0	0.1
Total	***1,300,500***	-	***41.1***	***1.9***	***2.4***
Additional Housing Option					
Residential	1,547,000	0.03	46.4	2.1	2.7
Retail	7,500	0.22	1.7	0.1	0.1
Daycare	10,000	0.1	1	0	0.1
Total	***1,564,500***	-	***49.1***	***2.2***	***2.9***

Source: Kittelson & Associates, Inc, 2018. SF Guidelines, 2002.

Table 8 Balboa Reservoir – Draft 3 Travel Demand Memorandum

Running Diesel Emission Factors (g/mi)

Cal Yr	Vehicle Class	DSL								
		ROG	TOG	NOX	PM10 Exh	PM10 Dust	PM2.5 Exh	PM2.5 Dust	PM10 Total	PM2.5 Total
2024	LHDT2	1.46E-01	1.66E-01	1.10E+00	2.16E-02	1.01E-01	2.07E-02	4.12E-02	1.23E-01	6.19E-02
2024	MHDT	1.11E-02	1.26E-02	1.92E+00	7.59E-03	1.42E-01	7.26E-03	5.89E-02	1.50E-01	6.61E-02
2024	HHDT	2.41E-02	2.74E-02	2.91E+00	2.51E-02	9.64E-02	2.41E-02	3.50E-02	1.22E-01	5.90E-02
2027	LHDT2	1.39E-01	1.58E-01	7.70E-01	2.01E-02	1.01E-01	1.92E-02	4.12E-02	1.21E-01	6.04E-02
2027	MHDT	1.08E-02	1.23E-02	1.96E+00	7.65E-03	1.42E-01	7.32E-03	5.89E-02	1.50E-01	6.62E-02
2027	HHDT	2.36E-02	2.69E-02	2.84E+00	2.47E-02	9.64E-02	2.37E-02	3.50E-02	1.21E-01	5.86E-02

Diesel Truck Idling Emission Factor (g/min)

Cal Yr	Vehicle Class	DSL				
		ROG	TOG	NOX	PM10 Exh	PM2.5 Exh
2024	LHDT2	5.29E-02	6.02E-02	9.25E-01	1.35E-02	1.29E-02
2024	MHDT	9.01E-03	1.03E-02	6.73E-01	5.79E-04	5.54E-04
2024	HHDT	3.92E-02	4.46E-02	5.18E-01	3.19E-04	3.05E-04
2027	LHDT2	5.29E-02	6.02E-02	8.12E-01	1.35E-02	1.29E-02
2027	MHDT	8.71E-03	9.91E-03	6.11E-01	3.85E-04	3.68E-04
2027	HHDT	3.92E-02	4.46E-02	5.05E-01	2.76E-04	2.64E-04

Developer Option

Phase	SF	Daily Trips
Phase 1 (2024)		
Residential	776,000	48
Retail	7,500	4
Phase 1 Total	783500	52
Full Buildout (2027)	1,300,500	84

Phase 1-Percent Daily Service Vehicle Activity by Vehicle Type

Vehicle Type	Percent Daily Service Vehicle Activity[1]	EMFAC Vehicle Category	Fuel Type	Daily Trips Phase 1 (2024) Daily Trips (In/Out)	Trip Length (mi)[2]	Idling Time (min)
Small Delivery Trucks-2 axles	11%	LHDT2	DSL	6	9.5	15
Large Delivery Trucks-2 axles	69%	MHDT	DSL	36	9.5	15
Large Delivery Trucks-3/4 axles	20%	HHDT	DSL	11	9.5	15

Phase 1 Diesel Truck Running Emissions (lb/day)

ROG	TOG	NOX	PM10 Exh	PM10 Dust	PM2.5 Exh	PM2.5 Dust	PM10 Total	PM2.5 Total
1.77E-02	2.02E-02	1.34E-01	2.63E-03	1.23E-02	2.51E-03	5.00E-03	1.49E-02	7.52E-03
8.27E-03	9.41E-03	1.43E+00	5.66E-03	1.06E-01	5.42E-03	4.39E-02	1.12E-01	4.93E-02
5.33E-03	6.07E-03	6.43E-01	5.57E-03	2.13E-02	5.33E-03	7.74E-03	2.69E-02	1.31E-02

Full Buildout-Percent Daily Service Vehicle Activity by Vehicle Type

Vehicle Type	Percent Daily Service Vehicle Activity	EMFAC Vehicle Category	Fuel Type	Full Buildout Daily Trips (2027) (In/Out)	Trip Length (mi)	Idling Time (min)
Small Delivery Trucks-2 axles	11%	LHDT2	DSL	9	9.5	15
Large Delivery Trucks-2 axles	69%	MHDT	DSL	58	9.5	15
Large Delivery Trucks-3/4 axles	20%	HHDT	DSL	17	9.5	15

Full Buildout Diesel Truck Running Emissions (lb/day)

ROG	TOG	NOX	PM10 Exh	PM10 Dust	PM2.5 Exh	PM2.5 Dust	PM10 Total	PM2.5 Total
2.65E-02	3.01E-02	1.47E-01	3.82E-03	1.93E-02	3.65E-03	7.85E-03	2.31E-02	1.15E-02
1.32E-02	1.50E-02	2.39E+00	9.34E-03	1.74E-01	8.93E-03	7.19E-02	1.83E-01	8.08E-02
8.22E-03	9.35E-03	9.88E-01	8.60E-03	3.36E-02	8.23E-03	1.22E-02	4.22E-02	2.04E-02

1 *Balboa TruckTrips-Fleet Mix Calculations*

2 Trip length based on CalEEMod default for C-W

Operating Days per Year 365.00

Tons/pound 0.0005

Annual Emissions Summary (tons/yr)

Truck Travel Emissions (DSL)	ROG	NOX	Total PM10	Total PM2.5	PM10 EXH	PM2.5 EXH	TOG
				tons/year			
Phase 1 (2024)	5.71E-03	4.03E-01	2.81E-02	1.28E-02	2.53E-03	2.42E-03	6.50E-03
Full Buildout (2027)	8.73E-03	6.43E-01	4.53E-02	2.06E-02	3.97E-03	3.80E-03	9.94E-03
Truck Idling Emissions (DSL)	**ROG**	**NOX**	**Total PM10**	**Total PM2.5**	**PM10 EXH**	**PM2.5 EXH**	**TOG**
				tons/year			
Phase 1 (2024)	6.28E-03	2.10E-01	6.17E-04	5.90E-04	6.17E-04	5.90E-04	7.15E-03
Full Buildout (2027)	6.27E-03	2.00E-01	5.72E-04	5.47E-04	5.72E-04	5.47E-04	7.14E-03
Total Annual Emisions	**ROG**	**NOX**	**Total PM10**	**Total PM2.5**	**PM10 EXH**	**PM2.5 EXH**	**TOG**
				tons/year			
Phase 1 (2024)	1.20E-02	6.13E-01	2.87E-02	1.34E-02	3.15E-03	3.01E-03	1.37E-02
Full Buildout (2027)	1.50E-02	8.43E-01	4.59E-02	2.11E-02	4.54E-03	4.35E-03	1.71E-02

Diesel Truck Idling Emissions (lb/day)

Cal Yr	Vehicle Class	DSL				
		ROG	TOG	NOX	PM10 Exh	PM2.5 Exh
2024	LHDT2	1.01E-02	1.15E-02	1.77E-01	2.59E-03	2.47E-03
2024	MHDT	1.06E-02	1.21E-02	7.93E-01	6.82E-04	6.53E-04
2024	HHDT	1.37E-02	1.56E-02	1.81E-01	1.12E-04	1.07E-04
2027	LHDT2	1.01E-02	1.15E-02	1.76E-01	2.57E-03	2.46E-03
2027	MHDT	1.06E-02	1.21E-02	7.46E-01	4.70E-04	4.49E-04
2027	HHDT	1.36E-02	1.55E-02	1.76E-01	9.60E-05	9.19E-05

SUMMARY FOR HRA

Phase	Pollutant	Developer Del-Trav	Developer Del-Idle	Additional Del-Trav	Additional Del-Idle
Phase 1 (2024)	DPM	2.53E-03	6.17E-04	2.92E-03	7.12E-04
Full Buildout (2027	DPM	3.97E-03	5.72E-04	4.69E-03	1.08E-03
Phase 1 (2024)	PM2.5 Exhaust	2.42E-03	5.90E-04	2.79E-03	6.81E-04
Full Buildout (2027	PM2.5 Exhaust	3.80E-03	5.47E-04	4.49E-03	1.04E-03
Phase 1 (2024)	TOG	6.50E-03	7.15E-03	7.50E-03	8.26E-03
Full Buildout (2027	TOG	9.94E-03	7.14E-03	1.18E-02	1.34E-02

Additional Housing Option

Phase	SF	Daily Trips
Phase 1 (2024)		
Residential	908,000	56
Retail	7,500	4
Phase 1 Total	915,500	60
Full Buildout (2027)	1,564,500	98

Phase 1-Percent Daily Service Vehicle Activity by Vehicle Type

Vehicle Type	Percent Daily Service Vehicle Activity	EMFAC Vehicle Category	Fuel Type	Phase 1 (2024) Daily Trips (In/Out)	Trip Length (mi)[1]	Idling Time (min)
Small Delivery Trucks-2 axles	11%	LHDT2	DSL	6.7	9.5	15
Large Delivery Trucks-2 axles	69%	MHDT	DSL	41.1	9.5	15
Large Delivery Trucks-3/4 axles	20%	HHDT	DSL	12.2	9.5	15

Phase 1 Diesel Truck Running Emissions (lb/day)

ROG	TOG	NOX	PM10 Exh	PM10 Dust	PM2.5 Exh	PM2.5 Dust	PM10 Total	PM2.5 Total
2.04E-02	2.33E-02	1.55E-01	3.03E-03	1.42E-02	2.90E-03	5.77E-03	1.72E-02	8.68E-03
9.54E-03	1.09E-02	1.65E+00	6.53E-03	1.23E-01	6.25E-03	5.07E-02	1.29E-01	5.69E-02
6.15E-03	7.00E-03	7.42E-01	6.42E-03	2.46E-02	6.14E-03	8.93E-03	3.10E-02	1.51E-02

Full Buildout-Percent Daily Service Vehicle Activity by Vehicle Type

Vehicle Type	Percent Daily Service Vehicle Activity[2]	EMFAC Vehicle Category	Fuel Type	Full Buildout Daily Trips (2027) (In/Out)	Trip Length (mi)[2]	Idling Time (min)
Small Delivery Trucks-2 axles	11%	LHDT2	DSL	11	9.5	15
Large Delivery Trucks-2 axles	69%	MHDT	DSL	67	9.5	15
Large Delivery Trucks-3/4 axles	20%	HHDT	DSL	20	9.5	15

Full Buildout Diesel Truck Running Emissions (lb/day)

ROG	TOG	NOX	PM10 Exh	PM10 Dust	PM2.5 Exh	PM2.5 Dust	PM10 Total	PM2.5 Total
3.18E-02	3.62E-02	1.77E-01	4.60E-03	2.32E-02	4.40E-03	9.45E-03	2.78E-02	1.38E-02
1.52E-02	1.73E-02	2.76E+00	1.08E-02	2.01E-01	1.03E-02	8.30E-02	2.11E-01	9.33E-02
9.87E-03	1.12E-02	1.19E+00	1.03E-02	4.03E-02	9.89E-03	1.46E-02	5.06E-02	2.45E-02

1 *Balboa TruckTrips-Fleet Mix Calculations*

2 Trip length based on CalEEMod default for C-W

Operating Days per Year 365.00

Tons/pound 0.0005

Annual Emissions Summary (tons/yr)

Truck Travel Emissions (DSL)	ROG	NOX	Total PM10	Total PM2.5	PM10 EXH	PM2.5 EXH	TOG
				tons/year			
Phase 1 (2024)	6.59E-03	4.65E-01	3.24E-02	1.47E-02	2.92E-03	2.79E-03	7.50E-03
Full Buildout (2027)	1.04E-02	7.52E-01	5.29E-02	2.40E-02	4.69E-03	4.49E-03	1.18E-02
Truck Idling Emissions (DSL)	**ROG**	**NOX**	**Total PM10**	**Total PM2.5**	**PM10 EXH**	**PM2.5 EXH**	**TOG**
				tons/year			
Phase 1 (2024)	7.25E-03	2.43E-01	7.12E-04	6.81E-04	7.12E-04	6.81E-04	8.26E-03
Full Buildout (2027)	1.18E-02	3.63E-01	1.08E-03	1.04E-03	1.08E-03	1.04E-03	1.34E-02
Total Annual Emisions	**ROG**	**NOX**	**Total PM10**	**Total PM2.5**	**PM10 EXH**	**PM2.5 EXH**	**TOG**
				tons/year			
Phase 1 (2024)	1.38E-02	7.08E-01	3.31E-02	1.54E-02	3.63E-03	3.47E-03	1.58E-02
Full Buildout (2027)	2.21E-02	1.11E+00	5.40E-02	2.51E-02	5.77E-03	5.52E-03	2.52E-02

Constants

Diesel Truck Idling Emissions (lb/day)

		DSL				
Cal Yr	Vehicle Class	ROG	TOG	NOX	PM10 Exh	PM2.5 Exh
2024	LHDT2	1.17E-02	1.33E-02	2.05E-01	2.98E-03	2.85E-03
2024	MHDT	1.22E-02	1.39E-02	9.16E-01	7.87E-04	7.53E-04
2024	HHDT	1.58E-02	1.80E-02	2.09E-01	1.29E-04	1.23E-04
2027	LHDT2	1.91E-02	2.18E-02	2.94E-01	4.89E-03	4.68E-03
2027	MHDT	1.94E-02	2.21E-02	1.36E+00	8.56E-04	8.19E-04
2027	HHDT	2.59E-02	2.95E-02	3.33E-01	1.82E-04	1.74E-04

A11 Operational Generator Emissions

Unmitigated Emergency Generator Emissions

Conversion Factors

HP/kW	1.3410
PM10 Fraction of Total PM[1]	0.960
PM2.5 Fraction of Total PM[1]	0.937
ROG Fraction of NMHC+NOX[5]	5%
NOX Fraction of NMHC+NOX[5]	95%

Ratings:

kW	300
HP	402
	-
	-

# of Generators in each option

Developer Option	2
# of Generators in Phase 1	1
# of Generators in Phase 2	1
Additional Housing Option	6
# of Generators in Phase 1	3
# of Generators in Phase 2	3

Load Factor[2]:	0.74
Engine Emissions Tier:	
Operating Hours per Unit[3] (hours/day):	2
Operating Hours per Year[3] (hours/year):	50

Emergency Generator Emissions

Units	Criteria Pollutants per Generator			
	VOC	NO_X	PM10	PM2.5
g/kW-hr	—	—	—	—
g/HP-hr[4]	3.0		0.15	0.15
g/HP-hr[5]	0.15	2.85	0.1440	0.1406
lbs/hr	0.10	1.87	0.09	0.09
lbs/day	**0.20**	**3.74**	**0.19**	**0.18**
lbs/yr	4.92	93.45	4.72	4.61
Avg lbs/yr	0.01	0.26	0.01	0.01
tons/yr	0.00246	0.05	0.00236	0.00230

Option/Phase	VOC	NO_X	PM10	PM2.5
Developer Option	**lbs/day**			
Phase 1	0.20	3.74	0.19	0.18
Phase 2	0.20	3.74	0.19	0.18
Full Buildout Total	**0.39**	**7.48**	**0.38**	**0.37**
Additional Housing Option				
Phase 1	0.59	11.21	0.57	0.55
Phase 2	0.59	11.21	0.57	0.55
Full Buildout Total	**1.18**	**22.43**	**1.13**	**1.11**
Option/Phase	**VOC**	**NO_X**	**PM10**	**PM2.5**
Developer Option	**lbs/year**			
Phase 1	4.92	93.45	4.72	4.61
Phase 2	4.92	93.45	4.72	4.61
Full Buildout Total	9.84	186.91	9.44	9.22
Additional Housing Option				
Phase 1	14.76	280.36	14.17	13.83
Phase 2	14.76	280.36	14.17	13.83
Full Buildout Total	**29.51**	**560.73**	**28.33**	**27.65**

AERMOD Modeling

Days/year	365
Hours per day	24
Seconds/hour	3600
grams/lb	453.6

Option/Phase	VOC	NO_X	PM10	PM2.5
Developer Option	**Emission Rate per Generator (g/s)**			
Phase 1	7.07E-05	1.34E-03	6.79E-05	6.63E-05
Phase 2	7.07E-05	1.34E-03	6.79E-05	6.63E-05
Additional Housing Option		**Emission Rate per Generator (g/s)**		
Phase 1	7.07E-05	1.34E-03	6.79E-05	6.63E-05
Phase 2	7.07E-05	1.34E-03	6.79E-05	6.63E-05

Notes:

1. Table A - Updated CEIDARS Table with PM2.5 Fractions, INTERNAL COMBUSTION - DISTILLATE AND DIESEL-ELECTRIC GENERATION
2. Load Factor based on CalEEMod Generator Set Load Factor
3. Number of hours permitted for testing and maintenance consistent with BAAQMD Regulation 9-8-330.3
4. ARB 2011 Final Regulation Order for the ATCM for stationary engines, Table 1, Model year 2008+:
5. For NMHC + Nox emission factor, assumes 5% ROG and 95% NOX. PM emission factors multiplied by their respective fraction of PM10 and PM2.5. http://www.baaqmd.gov/~/media/files/engineering/policy_and_procedures/engines/emissionfactorsfordieselengines.pdf

Source: ESA 2018.

Mitigated Emergency Generator Emissions

Conversion Factors

HP/kW	1.3410
PM10 Fraction of Total PM[1]	0.960
PM2.5 Fraction of Total PM[1]	0.937
ROG Fraction of NMHC+NOX[5]	5%
NOX Fraction of NMHC+NOX[5]	95%

Ratings:

kW	300
HP	402
	-
	-

# of Generators in each option

Developer Option	2
# of Generators in Phase 1	1
# of Generators in Phase 2	1
Additional Housing Option	6
# of Generators in Phase 1	3
# of Generators in Phase 2	3

Load Factor[2]:	0.74
Engine Emissions Tier:	
Operating Hours per Unit[3] (hours/day):	2
Operating Hours per Year[3] (hours/year):	50

Emergency Generator Emissions

Units	Criteria Pollutants per Generator			
	VOC	NO_X	PM10	PM2.5
g/kW-hr	—	—	—	—
g/HP-hr[4]	0.14	0.3	0.01	0.01
g/HP-hr[5]	0.14	0.30	0.0096	0.0094
lbs/hr	0.09	0.20	0.01	0.01
lbs/day	**0.18**	**0.39**	**0.01**	**0.01**
lbs/yr	4.59	9.84	0.31	0.31
Avg lbs/year	0.013	0.027	0.001	0.001
tons/yr	0.00230	0.00	0.00016	0.00015

Option/Phase	VOC	NO_X	PM10	PM2.5
Developer Option	lbs/day			
Phase 1	0.18	0.39	0.01	0.01
Phase 2	0.18	0.39	0.01	0.01
Full Buildout Total	**0.37**	**0.79**	**0.03**	**0.02**
Additional Housing Option				
Phase 1	0.55	1.18	0.04	0.04
Phase 2	0.55	1.18	0.04	0.04
Full Buildout Total	**1.10**	**2.36**	**0.08**	**0.07**
Option/Phase	**VOC**	**NO_X**	**PM10**	**PM2.5**
Developer Option	lbs/year			
Phase 1	4.59	9.84	0.31	0.31
Phase 2	4.59	9.84	0.31	0.31
Full Buildout Total	9.18	19.67	0.63	0.61
Additional Housing Option				
Phase 1	13.77	29.51	0.94	0.92
Phase 2	13.77	29.51	0.94	0.92
Full Buildout Total	**27.54**	**59.02**	**1.89**	**1.84**
Percent Reduction for Mitigation	**-7%**	**-89%**	**-93%**	**-93%**

AERMOD Modeling

Days/year	365
Hours per day	24
Seconds/hour	3600
grams/lb	453.6

Option/Phase	VOC	NO_X	PM10	PM2.5
Developer Option	g/s			
Phase 1	6.60E-05	1.41E-04	4.53E-06	4.42E-06
Phase 2	6.60E-05	1.41E-04	4.53E-06	4.42E-06
Additional Housing Option				
Phase 1	6.60E-05	1.41E-04	4.53E-06	4.42E-06
Phase 2	6.60E-05	1.41E-04	4.53E-06	4.42E-06

Notes:

1. Table A - Updated CEIDARS Table with PM2.5 Fractions, INTERNAL COMBUSTION - DISTILLATE AND DIESEL-ELECTRIC GENERATION
2. Load Factor based on CalEEMod Generator Set Load Factor
3. Number of hours permitted for testing and maintenance consistent with BAAQMD Regulation 9-8-330.3
4. ARB 2011 Final Regulation Order for the ATCM for stationary engines, Table 1, Model year 2008+:
5. For NMHC + Nox emission factor, assumes 5% ROG and 95% NOX. PM emission factors multiplied by their respective fraction of PM10 and PM2.5. http://www.baaqmd.gov/~/media/files/engineering/policy_and_procedures/engines/emissionfactorsfordieselengines.pdf

Source: ESA 2018.

A12 Operational Mobile Fleet Mix Calculations

Balboa Reservoir Truck Trips

	Developer's Option				Additional Housing				
Category	**Resid.**	**Retail**	**Childcare**	**Total**	**Resid.**	**Retail**	**Childcare**	**Total**	
Daily Vehicle Trips [a]	2,842	192	134	3,168	4,116	192	134	4,442	
Daily Person Trips [a]	9,386	1,123	476	10,985	13,226	1,123	476	14,825	
Delivery Trips at Curb [b]	11.3%	0.5%	n/a		11.3%	0.5%	n/a		
Trucks as % of delivery trips [c]	11%	11%	n/a		11%	11%	n/a		
Daily Truck Trips at Curb	117	1	0	117	164	1	0	165	
Loading Dock Trips [d]	39	2	1	42	46	2	1	49	
Total Daily Truck Trips	156	3	1	159	210	3	1	214	
Daily Vehicle Trips **WITH** Loading Dock Truck Trips	2,881	194	135	3,210	4,162	194	135	4,491	
Percent Light+Heavy Trucks **WITH** loading dock trips	5.40%	1.35%	0.74%	4.96%	5.06%	1.35%	0.74%	4.77%	
Daily Vehicle Trips **WITHOUT** Loading Dock Truck Trips	2,842	192	134	3,168	4,116	192	134	4,442	
Percent Light+Heavy Trucks **WITHOUT** loading dock trips	**4.11%**	**0.32%**	**0.00%**	**3.70%**	**3.99%**	**0.32%**	**0.00%**	**3.71%**	***<- used for fleet mix calcs***

[a] Kittelson Travel Demand Memo, Table 6

[a] Kittelson Travel Demand Memo, Table 3

[b] Fehr & Peers Travel Demand Update Memo, Table 25, Place Type 2 for residential (because travel demand data for Place Type 3, which includes project site, is limited, per Wade Wietgrefe, EP, e-mail, 3/15/19), and Place Type 3 for Retail.

[c] Teresa Whinery, Fehr & Peers, e-mail to Wade Wietgrefe, EP, 3/13/19; represents percent of daily delivery trips made by light and heavy trucks

[d] Kittelson Travel Demand Memo, Table 8

Fleet Mix for Daily Vehicle Trips (not including loading dock trips)

Loading Dock Truck Fleet Mix

	LHD2	MHD	HHD
2024	11%	69%	20%
2027	11%	69%	20%

FleetMixLandUseSubType	**LDA**	**LDT1**	**LDT2**	**MDV**	**LHD1**	**LHD2**	**MHD**	**HHD**	**OBUS**	**UBUS**	**MCY**	**SBUS**	**MH**	**TOTAL**
CalEEMod Default - 2024														
all land use types	0.604697	0.038136	0.192426	0.089922	0.013708	0.005077	0.03121	0.009257	0.004288	0.003553	0.006262	0.000945	0.000519	**1.0000000**
CalEEMod Default - 2027														
all land use types	0.603481	0.036963	0.193002	0.091056	0.012889	0.005184	0.03323	0.009471	0.004272	0.002983	0.005952	0.000956	0.000561	**1.0000000**
Daily Vehicle Trips - 2024														
Residential	0.6890777	0.0434576	0.21927753	0.0247457	0.0037723	0.0013971	0.0085887	0.0025474			0.0071358			**1.0000000**
Retail	0.7162646	0.0451722	0.22792893	0.0019392	0.0002956	0.0001095	0.000673	0.0001996			0.0074173			**1.0000000**
Childcare	0.7185762	0.0453179	0.22866453	0	0	0	0	0			0.0074413			**1.0000000**
Daily Vehicle Trips - 2027														
Residential	0.6894313	0.0422274	0.22049017	0.0246195	0.0034849	0.0014016	0.0089846	0.0025607			0.0067997			**1.0000000**
Retail	0.7166322	0.0438935	0.2291894	0.0019293	0.0002731	0.0001098	0.0007041	0.0002007			0.007068			**1.0000000**
Childcare	0.718945	0.0440351	0.22992907	0	0	0	0	0			0.0070908			**1.0000000**
For Comparison:														
AQTM-1 Fleet Mix - 2024	0.714368	0.047119	0.238513	0	0	0	0	0	0	0	0	0	0	**1.0000000**
AQTM-1 Fleet Mix - 2027	0.716548	0.04563	0.237822	0	0	0	0	0	0	0	0	0	0	**1.0000000**

Vehicle Type Key

LDA	Passenger Cars
LDT1	Light-Duty Trucks (0-3750 lbs)
LDT2	Light-Duty Trucks (3751-5750 lbs)
LHD1	Light-Heavy-Duty Trucks (8501-10000 lbs)
LHD2	Light-Heavy-Duty Trucks (10001-14000 lbs)
MCY	Motorcycles
MDV	Medium-Duty Trucks (5751-8500 lbs)
MDV	Medium-Duty Trucks (5751-8500 lbs)
MH	Motor Homes

Notes:

All non-truck trips include LDA, LDT1, LDT2, and MCY vehicle types (blue shading)

All truck trips include MDV, LHDT1, LHDT2, MHD, and HHD (green shading)

Buses and motorhomes excluded (OBUS, UBUS, SBUS, and MH)

Does not include loading dock trips; these are calculated outside of CalEEMod using EMFAC2017 emission rates and the vehicle types in the 2002 TIA Guidelines, Table H-2 - see below

Appendix B

Health Risk Assessment

B1 AERMOD Input File – Construction
B2 AERMOD Input File – Operation
B3 CRRP Background Values
B4 BAAQMD Sources
B5 TOG Speciation
B6 TOG Emissions Splits
B7 Risk Factors
B8 Emission Rates and Exposure Durations – Uncontrolled
B9 Emission Rates and Exposure Durations – Controlled
B10 Construction Health Risks and PM2.5 Concentrations – Uncontrolled
B11 Construction Health Risks and PM2.5 Concentrations – Controlled
B12 Operational Health Risks and PM2.5 Concentrations – Uncontrolled
B13 Operational Health Risks and PM2.5 Concentrations – Controlled
B14 Summary Tables – Uncontrolled
B15 Summary Tables – Controlled

B1 AERMOD Input File – Construction

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.6.5
** Lakes Environmental Software Inc.
** Date: 11/30/2018
** File: C:\Lakes\AERMOD View\Balboa Construction\Balboa Construction.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Balboa Construction
   MODELOPT CONC FLAT ELEV
   AVERTIME PERIOD
   URBANOPT 884363
   POLLUTID PM_10
   FLAGPOLE 1.80
   RUNORNOT NOT
   ERRORFIL "Balboa Construction.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION P1_OFFRD     AREAPOLY   548109.776  4175337.655       91.350
** DESCRSRC Phase 1 Off Road Equipment
   LOCATION P1_IDLE1     AREAPOLY   548109.776  4175337.655       91.350
** DESCRSRC Phase 1 Haul Truck Idling
   LOCATION P2_OFRD1     AREAPOLY   548004.749  4175699.822       98.830
** DESCRSRC Phase 2 Off Road Equipment
   LOCATION P2_IDLE1     AREAPOLY   548004.749  4175699.822       98.830
** DESCRSRC Phase 2 Haul Truck Idling
   LOCATION P2_OFRD2     AREAPOLY   547938.158  4175442.038       88.680
** DESCRSRC Phase 2 Off Road Equipment
   LOCATION P2_IDLE2     AREAPOLY   547938.158  4175442.038       88.680
** DESCRSRC Phase 2 Haul Truck Idling
   LOCATION P2_OFRD3     AREAPOLY   548109.995  4175337.650       91.360
** DESCRSRC Phase 2 Off Road Equipment
```

```
   LOCATION P2_IDLE3     AREAPOLY   548109.995  4175337.650       91.360
** DESCRSRC Phase 2 Haul Truck Idling
** ----------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = P1_HAUL
** DESCRSRC Phase 1 Haul Truck Route
** PREFIX
** Length of Side = 13.40
** Ratio = 10
** Vertical Dimension = 2.37
** Emission Rate = 0.0000732538
** Nodes = 7
** 548126.181, 4175694.285, 96.13, 2.55
** 548254.762, 4175694.756, 97.94, 2.55
** 548259.557, 4175243.041, 92.33, 2.55
** 548264.207, 4175218.899, 92.23, 2.55
** 548285.802, 4175199.721, 92.40, 2.55
** 548422.217, 4175133.341, 91.81, 2.55
** 548632.822, 4175033.094, 69.32, 2.55
** ----------------------------------------------------------------------
   LOCATION A0000001     AREA     548126.206 4175687.585 96.12
   LOCATION A0000002     AREA     548248.062 4175694.685 97.87
   LOCATION A0000003     AREA     548249.261 4175581.756 97.01
   LOCATION A0000004     AREA     548250.460 4175468.827 95.75
   LOCATION A0000005     AREA     548251.658 4175355.898 94.05
   LOCATION A0000006     AREA     548252.978 4175241.773 92.33
   LOCATION A0000007     AREA     548259.758 4175213.889 92.18
   LOCATION A0000008     AREA     548282.870 4175193.696 92.44
   LOCATION A0000009     AREA     548351.078 4175160.506 98.58
   LOCATION A0000010     AREA     548419.338 4175127.291 92.34
   LOCATION A0000011     AREA     548524.640 4175077.168 81.85
** End of LINE AREA Source ID = P1_HAUL
** ----------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = P2_HAUL
** DESCRSRC Phase 2 Haul Truck Route
** PREFIX
** Length of Side = 13.40
** Ratio = 10
** Vertical Dimension = 2.37
** Emission Rate = 0.0000732538
** Nodes = 7
** 548126.181, 4175694.285, 96.13, 2.55
** 548254.762, 4175694.756, 97.94, 2.55
** 548259.557, 4175243.041, 92.33, 2.55
** 548264.207, 4175218.899, 92.23, 2.55
** 548285.802, 4175199.721, 92.40, 2.55
** 548422.217, 4175133.341, 91.81, 2.55
** 548632.822, 4175033.094, 69.32, 2.55
** ----------------------------------------------------------------------
```

```
   LOCATION A0000012     AREA     548126.206 4175687.585 96.12
   LOCATION A0000013     AREA     548248.062 4175694.685 97.87
   LOCATION A0000014     AREA     548249.261 4175581.756 97.01
   LOCATION A0000015     AREA     548250.460 4175468.827 95.75
   LOCATION A0000016     AREA     548251.658 4175355.898 94.05
   LOCATION A0000017     AREA     548252.978 4175241.773 92.33
   LOCATION A0000018     AREA     548259.758 4175213.889 92.18
   LOCATION A0000019     AREA     548282.870 4175193.696 92.44
   LOCATION A0000020     AREA     548351.078 4175160.506 98.58
   LOCATION A0000021     AREA     548419.338 4175127.291 92.34
   LOCATION A0000022     AREA     548524.640 4175077.168 81.85
** End of LINE AREA Source ID = P2_HAUL
   LOCATION P1_IDLE2     AREA       548096.420  4175329.230       90.500
** DESCRSRC Phase 1 Haul Truck Idling
   LOCATION P2_IDLE4     AREA       548096.420  4175329.230       90.500
** DESCRSRC Phase 2 Haul Truck Idling
   LOCATION P1_IDLE3     AREA       548115.930  4175686.211       96.000
** DESCRSRC Phase 1 Haul Truck Idling
   LOCATION P2_IDLE5     AREA       548115.930  4175686.211       96.000
** DESCRSRC Phase 2 Haul Truck Idling
** Source Parameters **
   SRCPARAM P1_OFFRD     0.0000218859     5.000         43     1.400
   AREAVERT P1_OFFRD     548109.776 4175337.655 548110.342 4175343.077
   AREAVERT P1_OFFRD     548111.480 4175345.868 548113.462 4175349.107
   AREAVERT P1_OFFRD     548115.584 4175351.959 548117.936 4175355.622
   AREAVERT P1_OFFRD     548120.135 4175359.029 548121.648 4175362.093
   AREAVERT P1_OFFRD     548123.017 4175365.276 548124.155 4175369.010
   AREAVERT P1_OFFRD     548125.100 4175373.223 548126.021 4175377.747
   AREAVERT P1_OFFRD     548126.236 4175381.362 548126.210 4175388.967
   AREAVERT P1_OFFRD     548126.149 4175420.399 548123.843 4175699.688
   AREAVERT P1_OFFRD     548108.038 4175699.500 548107.848 4175641.690
   AREAVERT P1_OFFRD     548004.363 4175642.141 548004.478 4175699.842
   AREAVERT P1_OFFRD     547935.906 4175699.782 547938.157 4175442.044
   AREAVERT P1_OFFRD     547989.174 4175427.298 547993.944 4175445.615
   AREAVERT P1_OFFRD     548114.136 4175412.618 548114.387 4175394.124
   AREAVERT P1_OFFRD     548114.546 4175386.847 548113.721 4175378.085
   AREAVERT P1_OFFRD     548113.244 4175373.501 548112.514 4175370.101
   AREAVERT P1_OFFRD     548111.705 4175367.717 548110.772 4175364.925
   AREAVERT P1_OFFRD     548108.541 4175361.807 548106.910 4175359.418
   AREAVERT P1_OFFRD     548104.724 4175356.341 548102.591 4175353.413
   AREAVERT P1_OFFRD     548101.027 4175350.875 548099.134 4175347.822
   AREAVERT P1_OFFRD     548097.681 4175343.920 548096.413 4175339.304
   AREAVERT P1_OFFRD     548096.018 4175335.941 548101.947 4175334.429
   AREAVERT P1_OFFRD     548104.697 4175337.843
   SRCPARAM P1_IDLE1     0.0000217152     2.550         43     2.370
   AREAVERT P1_IDLE1     548109.776 4175337.655 548110.342 4175343.077
   AREAVERT P1_IDLE1     548111.480 4175345.868 548113.462 4175349.107
   AREAVERT P1_IDLE1     548115.584 4175351.959 548117.936 4175355.622
   AREAVERT P1_IDLE1     548120.135 4175359.029 548121.648 4175362.093
   AREAVERT P1_IDLE1     548123.017 4175365.276 548124.155 4175369.010
```

```
AREAVERT P1_IDLE1     548125.100 4175373.223 548126.021 4175377.747
AREAVERT P1_IDLE1     548126.236 4175381.362 548126.210 4175388.967
AREAVERT P1_IDLE1     548126.149 4175420.399 548123.843 4175699.688
AREAVERT P1_IDLE1     548108.038 4175699.500 548107.848 4175641.690
AREAVERT P1_IDLE1     548004.363 4175642.141 548004.478 4175699.842
AREAVERT P1_IDLE1     547935.906 4175699.782 547938.157 4175442.044
AREAVERT P1_IDLE1     547989.174 4175427.298 547993.944 4175445.615
AREAVERT P1_IDLE1     548114.136 4175412.618 548114.387 4175394.124
AREAVERT P1_IDLE1     548114.546 4175386.847 548113.721 4175378.085
AREAVERT P1_IDLE1     548113.244 4175373.501 548112.514 4175370.101
AREAVERT P1_IDLE1     548111.705 4175367.717 548110.772 4175364.925
AREAVERT P1_IDLE1     548108.541 4175361.807 548106.910 4175359.418
AREAVERT P1_IDLE1     548104.724 4175356.341 548102.591 4175353.413
AREAVERT P1_IDLE1     548101.027 4175350.875 548099.134 4175347.822
AREAVERT P1_IDLE1     548097.681 4175343.920 548096.413 4175339.304
AREAVERT P1_IDLE1     548096.018 4175335.941 548101.947 4175334.429
AREAVERT P1_IDLE1     548104.697 4175337.843
SRCPARAM P2_OFRD1     0.0000519168     5.000         4     1.400
AREAVERT P2_OFRD1     548004.749 4175699.822 548004.486 4175642.266
AREAVERT P2_OFRD1     548107.779 4175641.725 548107.885 4175699.496
SRCPARAM P2_IDLE1     0.0000509087     2.550         4     2.370
AREAVERT P2_IDLE1     548004.749 4175699.822 548004.486 4175642.266
AREAVERT P2_IDLE1     548107.779 4175641.725 548107.885 4175699.496
SRCPARAM P2_OFRD2     0.0000518591     5.000        28     1.400
AREAVERT P2_OFRD2     547938.158 4175442.038 547938.533 4175377.814
AREAVERT P2_OFRD2     548095.846 4175336.021 548096.009 4175337.198
AREAVERT P2_OFRD2     548096.208 4175338.683 548096.530 4175340.015
AREAVERT P2_OFRD2     548096.969 4175341.780 548097.548 4175343.826
AREAVERT P2_OFRD2     548098.130 4175345.232 548098.874 4175347.232
AREAVERT P2_OFRD2     548099.102 4175347.873 548099.746 4175348.889
AREAVERT P2_OFRD2     548100.547 4175350.167 548101.401 4175351.531
AREAVERT P2_OFRD2     548102.243 4175352.907 548102.550 4175353.436
AREAVERT P2_OFRD2     548104.432 4175356.008 548108.662 4175362.119
AREAVERT P2_OFRD2     548110.164 4175364.133 548110.721 4175364.936
AREAVERT P2_OFRD2     548112.482 4175370.286 548113.091 4175374.243
AREAVERT P2_OFRD2     548113.956 4175382.026 548114.235 4175386.865
AREAVERT P2_OFRD2     548114.269 4175393.923 548113.944 4175412.510
AREAVERT P2_OFRD2     547994.054 4175445.443 547989.227 4175427.155
SRCPARAM P2_IDLE2     0.0000509113     2.550        28     2.370
AREAVERT P2_IDLE2     547938.158 4175442.038 547938.533 4175377.814
AREAVERT P2_IDLE2     548095.846 4175336.021 548096.009 4175337.198
AREAVERT P2_IDLE2     548096.208 4175338.683 548096.530 4175340.015
AREAVERT P2_IDLE2     548096.969 4175341.780 548097.548 4175343.826
AREAVERT P2_IDLE2     548098.130 4175345.232 548098.874 4175347.232
AREAVERT P2_IDLE2     548099.102 4175347.873 548099.746 4175348.889
AREAVERT P2_IDLE2     548100.547 4175350.167 548101.401 4175351.531
AREAVERT P2_IDLE2     548102.243 4175352.907 548102.550 4175353.436
AREAVERT P2_IDLE2     548104.432 4175356.008 548108.662 4175362.119
AREAVERT P2_IDLE2     548110.164 4175364.133 548110.721 4175364.936
AREAVERT P2_IDLE2     548112.482 4175370.286 548113.091 4175374.243
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   AREAVERT P2_IDLE2     548113.956 4175382.026 548114.235 4175386.865
   AREAVERT P2_IDLE2     548114.269 4175393.923 548113.944 4175412.510
   AREAVERT P2_IDLE2     547994.054 4175445.443 547989.227 4175427.155
   SRCPARAM P2_OFRD3     0.0000509175     5.000         24     1.400
   AREAVERT P2_OFRD3     548109.995 4175337.650 548110.021 4175338.731
   AREAVERT P2_OFRD3     548110.171 4175340.390 548110.440 4175342.928
   AREAVERT P2_OFRD3     548111.346 4175345.108 548111.723 4175346.039
   AREAVERT P2_OFRD3     548112.578 4175347.471 548113.508 4175348.980
   AREAVERT P2_OFRD3     548114.715 4175350.563 548116.424 4175353.052
   AREAVERT P2_OFRD3     548117.979 4175355.505 548119.731 4175358.176
   AREAVERT P2_OFRD3     548120.351 4175359.159 548121.462 4175361.381
   AREAVERT P2_OFRD3     548122.822 4175364.504 548123.512 4175366.484
   AREAVERT P2_OFRD3     548124.239 4175368.973 548124.856 4175371.697
   AREAVERT P2_OFRD3     548125.528 4175374.912 548125.982 4175377.055
   AREAVERT P2_OFRD3     548126.200 4175378.036 548126.343 4175383.924
   AREAVERT P2_OFRD3     548126.867 4175385.035 548127.194 4175337.045
   SRCPARAM P2_IDLE3     0.0000509175     2.550         24     2.370
   AREAVERT P2_IDLE3     548109.995 4175337.650 548110.021 4175338.731
   AREAVERT P2_IDLE3     548110.171 4175340.390 548110.440 4175342.928
   AREAVERT P2_IDLE3     548111.346 4175345.108 548111.723 4175346.039
   AREAVERT P2_IDLE3     548112.578 4175347.471 548113.508 4175348.980
   AREAVERT P2_IDLE3     548114.715 4175350.563 548116.424 4175353.052
   AREAVERT P2_IDLE3     548117.979 4175355.505 548119.731 4175358.176
   AREAVERT P2_IDLE3     548120.351 4175359.159 548121.462 4175361.381
   AREAVERT P2_IDLE3     548122.822 4175364.504 548123.512 4175366.484
   AREAVERT P2_IDLE3     548124.239 4175368.973 548124.856 4175371.697
   AREAVERT P2_IDLE3     548125.528 4175374.912 548125.982 4175377.055
   AREAVERT P2_IDLE3     548126.200 4175378.036 548126.343 4175383.924
   AREAVERT P2_IDLE3     548126.867 4175385.035 548127.194 4175337.045
** LINE AREA Source ID = P1_HAUL
   SRCPARAM A0000001     0.0000732538     2.550   128.582    13.400    -0.210
2.370
   SRCPARAM A0000002     0.0000732538     2.550   112.935    13.400    89.392
2.370
   SRCPARAM A0000003     0.0000732538     2.550   112.935    13.400    89.392
2.370
   SRCPARAM A0000004     0.0000732538     2.550   112.935    13.400    89.392
2.370
   SRCPARAM A0000005     0.0000732538     2.550   112.935    13.400    89.392
2.370
   SRCPARAM A0000006     0.0000732538     2.550    24.585    13.400    79.096
2.370
   SRCPARAM A0000007     0.0000732538     2.550    28.881    13.400    41.609
2.370
   SRCPARAM A0000008     0.0000732538     2.550    75.854    13.400    25.948
2.370
   SRCPARAM A0000009     0.0000732538     2.550    75.854    13.400    25.948
2.370
   SRCPARAM A0000010     0.0000732538     2.550   116.623    13.400    25.454
2.370
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   SRCPARAM A0000011     0.0000732538     2.550   116.623    13.400    25.454
2.370
** ------------------------------------------------------------------
** LINE AREA Source ID = P2_HAUL
   SRCPARAM A0000012     0.0000732538     2.550   128.582    13.400    -0.210
2.370
   SRCPARAM A0000013     0.0000732538     2.550   112.935    13.400    89.392
2.370
   SRCPARAM A0000014     0.0000732538     2.550   112.935    13.400    89.392
2.370
   SRCPARAM A0000015     0.0000732538     2.550   112.935    13.400    89.392
2.370
   SRCPARAM A0000016     0.0000732538     2.550   112.935    13.400    89.392
2.370
   SRCPARAM A0000017     0.0000732538     2.550    24.585    13.400    79.096
2.370
   SRCPARAM A0000018     0.0000732538     2.550    28.881    13.400    41.609
2.370
   SRCPARAM A0000019     0.0000732538     2.550    75.854    13.400    25.948
2.370
   SRCPARAM A0000020     0.0000732538     2.550    75.854    13.400    25.948
2.370
   SRCPARAM A0000021     0.0000732538     2.550   116.623    13.400    25.454
2.370
   SRCPARAM A0000022     0.0000732538     2.550   116.623    13.400    25.454
2.370
** ------------------------------------------------------------------
   SRCPARAM P1_IDLE2     0.0000217198     2.550    13.400    13.400     0.000
2.370
   SRCPARAM P2_IDLE4     0.0000506794     2.550    13.400    13.400     0.000
2.370
   SRCPARAM P1_IDLE3     0.0000217198     2.550    13.400    13.400     0.000
2.370
   SRCPARAM P2_IDLE5     0.0000506794     2.550    13.400    13.400     0.000
2.370
**
** No Building Downwash **
**
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT P1_OFFRD     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_OFFRD     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT P1_OFFRD     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT P1_OFFRD     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT P1_OFFRD     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_OFFRD     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT P1_OFFRD     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_OFFRD     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT P1_OFFRD     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_OFFRD     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_OFFRD     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_OFFRD     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT P2_OFRD1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_OFRD1     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT P2_OFRD1     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT P2_OFRD1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT P2_OFRD1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_OFRD1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_OFRD1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_OFRD1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT P2_OFRD1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_OFRD1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_OFRD1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_OFRD1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT P2_OFRD2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_OFRD2     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT P2_OFRD2     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT P2_OFRD2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT P2_OFRD2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_OFRD2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_OFRD2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_OFRD2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT P2_OFRD2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_OFRD2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_OFRD2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_OFRD2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT P2_OFRD3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_OFRD3     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT P2_OFRD3     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT P2_OFRD3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT P2_OFRD3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_OFRD3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_OFRD3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_OFRD3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT P2_OFRD3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_OFRD3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT P2_OFRD3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_OFRD3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT A0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000001     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000001     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000002     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000003     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000004     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000005     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000006     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000007     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000008     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000009     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000010     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000011     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT A0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT A0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT A0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT A0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT P1_IDLE2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_IDLE2     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT P1_IDLE2     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT P1_IDLE2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT P1_IDLE2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_IDLE2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_IDLE2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_IDLE2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT P1_IDLE2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_IDLE2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT P1_IDLE2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_IDLE2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT P1_IDLE3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_IDLE3     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT P1_IDLE3     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT P1_IDLE3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT P1_IDLE3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_IDLE3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_IDLE3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_IDLE3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT P1_IDLE3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_IDLE3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_IDLE3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_IDLE3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT A0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT A0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT A0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT A0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT A0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT A0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT P2_IDLE4     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE4     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT P2_IDLE4     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT P2_IDLE4     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT P2_IDLE4     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE4     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE4     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE4     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT P2_IDLE4     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE4     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE4     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE4     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT P2_IDLE5     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE5     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT P2_IDLE5     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT P2_IDLE5     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT P2_IDLE5     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE5     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE5     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE5     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT P2_IDLE5     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE5     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE5     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE5     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT P1_IDLE1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_IDLE1     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT P1_IDLE1     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT P1_IDLE1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT P1_IDLE1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_IDLE1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_IDLE1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_IDLE1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT P1_IDLE1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_IDLE1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_IDLE1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P1_IDLE1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT P2_IDLE1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE1     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT P2_IDLE1     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT P2_IDLE1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT P2_IDLE1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT P2_IDLE1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT P2_IDLE2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE2     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT P2_IDLE2     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT P2_IDLE2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT P2_IDLE2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT P2_IDLE2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT P2_IDLE3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE3     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT P2_IDLE3     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT P2_IDLE3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT P2_IDLE3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT P2_IDLE3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT P2_IDLE3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP P1OffRd  P1_OFFRD
   SRCGROUP P2OffRd  P2_OFRD1 P2_OFRD2 P2_OFRD3
   SRCGROUP P1Haul   A0000001 A0000002 A0000003 A0000004 A0000005 A0000006
   SRCGROUP P1Haul   A0000007 A0000008 A0000009 A0000010 A0000011
   SRCGROUP P2Haul   A0000012 A0000013 A0000014 A0000015 A0000016 A0000017
   SRCGROUP P2Haul   A0000018 A0000019 A0000020 A0000021 A0000022
   SRCGROUP P1Idle   P1_IDLE1 P1_IDLE2 P1_IDLE3
   SRCGROUP P2Idle   P2_IDLE1 P2_IDLE2 P2_IDLE3 P2_IDLE4 P2_IDLE5
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```
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Balboa Construction.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE "Mission Bay Met Data\Mission Bay.SFC"
   PROFFILE "Mission Bay Met Data\Mission Bay.PFL"
   SURFDATA 23234 2008 SAN_FRANCISCO/INT'L_ARPT
   UAIRDATA 23230 2008 OAKLAND/WSO_AP
   PROFBASE 2.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD ALL "BALBOA CONSTRUCTION.AD\PE00GALL.PLT" 31
   PLOTFILE PERIOD P1OffRd "BALBOA CONSTRUCTION.AD\PE00G001.PLT" 32
   PLOTFILE PERIOD P2OffRd "BALBOA CONSTRUCTION.AD\PE00G002.PLT" 33
   PLOTFILE PERIOD P1Haul "BALBOA CONSTRUCTION.AD\PE00G003.PLT" 34
   PLOTFILE PERIOD P2Haul "BALBOA CONSTRUCTION.AD\PE00G004.PLT" 35
   PLOTFILE PERIOD P1Idle "BALBOA CONSTRUCTION.AD\PE00G005.PLT" 36
   PLOTFILE PERIOD P2Idle "BALBOA CONSTRUCTION.AD\PE00G006.PLT" 37
   SUMMFILE "Balboa Construction.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     10
** ZONEINX  0
**
```

B2 AERMOD Input File – Operation

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**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.6.5
** Lakes Environmental Software Inc.
** Date: 11/30/2018
** File: C:\Lakes\AERMOD View\Balboa Operations\Balboa Operations.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Balboa Operations
   MODELOPT CONC FLAT ELEV
   AVERTIME PERIOD
   URBANOPT 884363
   POLLUTID PM_10
   FLAGPOLE 1.80
   RUNORNOT NOT
   ERRORFIL "Balboa Operations.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ----------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = LGHTDTY
** DESCRSRC Light-Duty Vehicle Route
** PREFIX
** Length of Side = 13.40
** Ratio = 10
** Vertical Dimension = 2.30
** Emission Rate = 0.0000445635
** Nodes = 15
** 547890.697, 4175325.155, 86.24, 2.00
** 548104.086, 4175270.459, 90.87, 2.00
** 548102.646, 4175335.954, 90.81, 2.00
** 548104.374, 4175343.977, 92.61, 2.00
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** 548108.438, 4175352.207, 92.79, 2.00
** 548112.580, 4175358.538, 93.25, 2.00
** 548117.983, 4175367.873, 93.00, 2.00
** 548120.351, 4175379.952, 92.99, 2.00
** 548118.141, 4175693.933, 96.03, 2.00
** 548254.762, 4175694.756, 97.94, 2.00
** 548259.557, 4175243.041, 92.33, 2.00
** 548264.207, 4175218.899, 92.23, 2.00
** 548285.802, 4175199.721, 92.40, 2.00
** 548422.217, 4175133.341, 91.81, 2.00
** 548632.822, 4175033.094, 69.32, 2.00
** ----------------------------------------------------------------
   LOCATION A0000001     AREA     547889.034 4175318.665 86.26
   LOCATION A0000002     AREA     547995.728 4175291.317 89.33
   LOCATION A0000003     AREA     548110.785 4175270.606 90.92
   LOCATION A0000004     AREA     548109.196 4175334.544 91.08
   LOCATION A0000005     AREA     548110.381 4175341.010 91.99
   LOCATION A0000006     AREA     548114.045 4175348.539 93.18
   LOCATION A0000007     AREA     548118.379 4175355.182 93.43
   LOCATION A0000008     AREA     548124.558 4175366.584 93.24
   LOCATION A0000009     AREA     548127.051 4175379.999 93.16
   LOCATION A0000010     AREA     548126.314 4175484.659 95.08
   LOCATION A0000011     AREA     548125.578 4175589.319 95.11
   LOCATION A0000012     AREA     548118.182 4175687.233 95.99
   LOCATION A0000013     AREA     548186.492 4175687.644 96.96
   LOCATION A0000014     AREA     548248.062 4175694.685 97.87
   LOCATION A0000015     AREA     548249.261 4175581.756 97.01
   LOCATION A0000016     AREA     548250.460 4175468.827 95.75
   LOCATION A0000017     AREA     548251.658 4175355.898 94.05
   LOCATION A0000018     AREA     548252.978 4175241.773 92.33
   LOCATION A0000019     AREA     548259.758 4175213.889 92.18
   LOCATION A0000020     AREA     548282.870 4175193.696 92.44
   LOCATION A0000021     AREA     548351.078 4175160.506 98.58
   LOCATION A0000022     AREA     548419.338 4175127.291 92.34
   LOCATION A0000023     AREA     548524.640 4175077.168 81.85
** End of LINE AREA Source ID = LGHTDTY
** ----------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = TRKIDLE
** DESCRSRC Delivery Truck Idling
** PREFIX
** Length of Side = 9.70
** Ratio = 10
** Vertical Dimension = 2.37
** Emission Rate = 0.0014192251
** Nodes = 4
** 547991.534, 4175495.372, 91.28, 2.50
** 547991.534, 4175460.328, 91.20, 2.50
** 547996.506, 4175451.093, 91.02, 2.50
** 548022.316, 4175442.805, 89.07, 2.50
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** ----------------------------------------------------------------
   LOCATION A0000024     AREA     547986.684 4175495.372 93.60
   LOCATION A0000025     AREA     547987.263 4175458.028 93.61
   LOCATION A0000026     AREA     547995.023 4175446.475 91.05
** End of LINE AREA Source ID = TRKIDLE
   LOCATION GEN_D        POINT      548008.580  4175492.060       88.920
** DESCRSRC Building D Emergency Generator
   LOCATION GEN_B        POINT      548006.214  4175439.490       89.130
** DESCRSRC Building B Emergency Generator
   LOCATION GEN_A        POINT      548054.462  4175424.562       89.280
** DESCRSRC Building A Emergency Generator
   LOCATION GEN_C        POINT      548060.245  4175454.248       89.270
** DESCRSRC Building C Emergency Generator
   LOCATION GEN_E        POINT      548086.461  4175531.353       89.810
** DESCRSRC Building E Emergency Generator
   LOCATION GEN_G        POINT      548091.087  4175645.469       89.480
** DESCRSRC Building G Emergency Generator
** Source Parameters **
** LINE AREA Source ID = LGHTDTY
   SRCPARAM A0000001     0.0000445635     2.000   110.144    13.400    14.377
2.300
   SRCPARAM A0000002     0.0000445635     2.000   110.144    13.400    14.377
2.300
   SRCPARAM A0000003     0.0000445635     2.000    65.511    13.400   -91.260
2.300
   SRCPARAM A0000004     0.0000445635     2.000     8.207    13.400   -77.849
2.300
   SRCPARAM A0000005     0.0000445635     2.000     9.178    13.400   -63.714
2.300
   SRCPARAM A0000006     0.0000445635     2.000     7.566    13.400   -56.806
2.300
   SRCPARAM A0000007     0.0000445635     2.000    10.786    13.400   -59.940
2.300
   SRCPARAM A0000008     0.0000445635     2.000    12.309    13.400   -78.909
2.300
   SRCPARAM A0000009     0.0000445635     2.000   104.663    13.400   -90.403
2.300
   SRCPARAM A0000010     0.0000445635     2.000   104.663    13.400   -90.403
2.300
   SRCPARAM A0000011     0.0000445635     2.000   104.663    13.400   -90.403
2.300
   SRCPARAM A0000012     0.0000445635     2.000    68.312    13.400    -0.345
2.300
   SRCPARAM A0000013     0.0000445635     2.000    68.312    13.400    -0.345
2.300
   SRCPARAM A0000014     0.0000445635     2.000   112.935    13.400    89.392
2.300
   SRCPARAM A0000015     0.0000445635     2.000   112.935    13.400    89.392
2.300
   SRCPARAM A0000016     0.0000445635     2.000   112.935    13.400    89.392
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2.300
   SRCPARAM A0000017     0.0000445635     2.000   112.935    13.400    89.392
2.300
   SRCPARAM A0000018     0.0000445635     2.000    24.585    13.400    79.096
2.300
   SRCPARAM A0000019     0.0000445635     2.000    28.881    13.400    41.609
2.300
   SRCPARAM A0000020     0.0000445635     2.000    75.854    13.400    25.948
2.300
   SRCPARAM A0000021     0.0000445635     2.000    75.854    13.400    25.948
2.300
   SRCPARAM A0000022     0.0000445635     2.000   116.623    13.400    25.454
2.300
   SRCPARAM A0000023     0.0000445635     2.000   116.623    13.400    25.454
2.300
** ------------------------------------------------------------------
** LINE AREA Source ID = TRKIDLE
   SRCPARAM A0000024     0.0014192251     2.500    35.044     9.700    90.000
2.370
   SRCPARAM A0000025     0.0014192251     2.500    10.488     9.700    61.699
2.370
   SRCPARAM A0000026     0.0014192251     2.500    27.108     9.700    17.802
2.370
** ------------------------------------------------------------------
   SRCPARAM GEN_D              1.0     3.660   739.800  45.30000     1.830
   SRCPARAM GEN_B              1.0     3.660   739.800  45.30000     1.830
   SRCPARAM GEN_A              1.0     3.660   739.800  45.30000     1.830
   SRCPARAM GEN_C              1.0     3.660   739.800  45.30000     1.830
   SRCPARAM GEN_E              1.0     3.660   739.800  45.30000     1.830
   SRCPARAM GEN_G              1.0     3.660   739.800  45.30000     1.830

** Building Downwash **
   BUILDHGT GEN_D          20.12    20.12    20.12    20.12    20.12    20.12
   BUILDHGT GEN_D          23.47    23.47    23.47    20.12    20.12    23.47
   BUILDHGT GEN_D          23.47    23.47    23.47    23.47    23.47    20.12
   BUILDHGT GEN_D          20.12    20.12    23.47    23.47    23.47    23.47
   BUILDHGT GEN_D          23.47    23.47    23.47    23.47    23.47    23.47
   BUILDHGT GEN_D          23.47    23.47    23.47    23.47    23.47    20.12

   BUILDHGT GEN_B          20.12    20.12    20.12    23.47    23.47    23.47
   BUILDHGT GEN_B          23.47    23.47    23.47    23.47    23.47    23.47
   BUILDHGT GEN_B          23.47    23.47    23.47    23.47    20.12    20.12
   BUILDHGT GEN_B          20.12    20.12    20.12    23.47    23.47    23.47
   BUILDHGT GEN_B          23.47    23.47    23.47    23.47    23.47    23.47
   BUILDHGT GEN_B          23.47    23.47    23.47    23.47    20.12    20.12

   BUILDHGT GEN_A          23.47    23.47    23.47    23.47    23.47    23.47
   BUILDHGT GEN_A          23.47    23.47    23.47    23.47    23.47    23.47
   BUILDHGT GEN_A          23.47    23.47    23.47    23.47    23.47    23.47
   BUILDHGT GEN_A          23.47    23.47    23.47    23.47    23.47    23.47
```

BUILDHGT GEN_A	23.47	23.47	23.47	23.47	23.47	23.47
BUILDHGT GEN_A	23.47	23.47	23.47	23.47	23.47	23.47
BUILDHGT GEN_C	23.47	23.47	23.47	23.47	23.47	23.47
BUILDHGT GEN_C	23.47	23.47	23.47	23.47	23.47	23.47
BUILDHGT GEN_C	23.47	23.47	23.47	23.47	23.47	23.47
BUILDHGT GEN_C	23.47	23.47	23.47	23.47	23.47	23.47
BUILDHGT GEN_C	23.47	23.47	23.47	23.47	23.47	23.47
BUILDHGT GEN_C	23.47	23.47	23.47	23.47	23.47	23.47
BUILDHGT GEN_E	23.47	23.47	23.47	23.47	23.47	23.47
BUILDHGT GEN_E	23.47	23.47	23.47	23.47	23.47	23.47
BUILDHGT GEN_E	23.47	23.47	23.47	23.47	23.47	23.47
BUILDHGT GEN_E	23.47	23.47	23.47	23.47	23.47	23.47
BUILDHGT GEN_E	23.47	23.47	23.47	23.47	23.47	23.47
BUILDHGT GEN_E	23.47	23.47	23.47	23.47	23.47	23.47
BUILDHGT GEN_G	23.47	23.47	23.47	23.47	23.47	20.12
BUILDHGT GEN_G	20.12	20.12	20.12	20.12	20.12	23.47
BUILDHGT GEN_G	23.47	23.47	23.47	23.47	23.47	23.47
BUILDHGT GEN_G	23.47	23.47	23.47	23.47	23.47	20.12
BUILDHGT GEN_G	20.12	20.12	20.12	20.12	20.12	23.47
BUILDHGT GEN_G	23.47	23.47	23.47	23.47	23.47	23.47
BUILDWID GEN_D	54.91	68.51	80.04	89.13	95.52	221.45
BUILDWID GEN_D	147.41	147.55	143.21	242.26	244.83	132.79
BUILDWID GEN_D	132.80	128.78	120.84	109.22	94.29	106.32
BUILDWID GEN_D	132.96	155.55	71.76	82.73	91.18	96.86
BUILDWID GEN_D	147.41	147.55	143.21	134.52	128.75	132.79
BUILDWID GEN_D	76.06	80.84	83.16	82.95	80.22	106.32
BUILDWID GEN_B	109.81	114.88	149.18	120.81	133.84	142.79
BUILDWID GEN_B	147.41	147.55	70.29	60.06	59.80	68.98
BUILDWID GEN_B	76.06	80.84	83.16	82.95	137.26	39.63
BUILDWID GEN_B	54.91	68.51	149.18	120.81	133.84	142.79
BUILDWID GEN_B	147.41	147.55	70.29	60.06	59.80	68.98
BUILDWID GEN_B	76.06	80.84	83.16	82.95	137.26	102.90
BUILDWID GEN_A	73.52	75.94	81.81	85.61	87.77	87.26
BUILDWID GEN_A	84.10	78.39	70.29	60.06	59.80	68.98
BUILDWID GEN_A	76.06	80.84	83.16	82.95	80.22	75.36
BUILDWID GEN_A	73.52	75.94	81.81	85.61	87.77	87.26
BUILDWID GEN_A	84.10	78.39	70.29	60.06	59.80	68.98
BUILDWID GEN_A	76.06	80.84	83.16	82.95	80.22	75.36
BUILDWID GEN_C	73.52	75.94	81.81	85.61	133.84	142.79
BUILDWID GEN_C	147.41	147.55	143.21	134.52	128.75	68.98
BUILDWID GEN_C	76.06	80.84	83.16	82.95	80.22	75.36
BUILDWID GEN_C	73.52	75.94	81.81	85.61	133.84	142.79
BUILDWID GEN_C	147.41	147.55	143.21	134.52	128.75	68.98

BUILDWID GEN_C	76.06	80.84	83.16	82.95	80.22	75.36
BUILDWID GEN_E	73.52	75.94	105.08	120.81	133.84	96.86
BUILDWID GEN_E	99.60	99.31	96.01	99.31	99.60	96.86
BUILDWID GEN_E	91.18	128.78	120.84	109.22	94.29	76.72
BUILDWID GEN_E	73.52	86.57	105.08	120.81	133.84	96.86
BUILDWID GEN_E	99.60	99.31	96.01	99.31	99.60	96.86
BUILDWID GEN_E	91.18	128.78	120.84	109.22	80.22	75.36
BUILDWID GEN_G	43.69	58.61	71.76	82.73	91.18	194.05
BUILDWID GEN_G	189.24	178.68	162.69	164.39	161.09	96.86
BUILDWID GEN_G	91.18	82.73	71.76	58.61	43.69	27.43
BUILDWID GEN_G	43.69	58.61	71.76	82.73	91.18	194.05
BUILDWID GEN_G	189.24	178.68	162.69	164.39	161.09	96.86
BUILDWID GEN_G	91.18	82.73	71.76	58.61	43.69	27.43
BUILDLEN GEN_D	96.93	99.48	99.00	95.52	89.13	198.57
BUILDLEN GEN_D	109.22	94.29	76.72	109.81	114.88	105.08
BUILDLEN GEN_D	120.81	133.84	142.79	147.41	147.55	162.69
BUILDLEN GEN_D	164.39	161.09	96.86	91.18	82.73	71.76
BUILDLEN GEN_D	109.22	94.29	76.72	73.52	86.57	105.08
BUILDLEN GEN_D	85.61	87.77	87.26	84.10	78.39	162.69
BUILDLEN GEN_B	242.26	244.83	244.09	132.80	128.78	120.84
BUILDLEN GEN_B	109.22	94.29	75.36	73.52	75.94	81.81
BUILDLEN GEN_B	85.61	87.77	87.26	84.10	237.23	91.44
BUILDLEN GEN_B	96.93	99.48	244.09	132.80	128.78	120.84
BUILDLEN GEN_B	109.22	94.29	75.36	73.52	75.94	81.81
BUILDLEN GEN_B	85.61	87.77	87.26	84.10	237.23	234.37
BUILDLEN GEN_A	60.06	59.80	68.98	76.06	80.84	83.16
BUILDLEN GEN_A	82.95	80.22	75.36	73.52	75.94	81.81
BUILDLEN GEN_A	85.61	87.77	87.26	84.10	78.39	70.29
BUILDLEN GEN_A	60.06	59.80	68.98	76.06	80.84	83.16
BUILDLEN GEN_A	82.95	80.22	75.36	73.52	75.94	81.81
BUILDLEN GEN_A	85.61	87.77	87.26	84.10	78.39	70.29
BUILDLEN GEN_C	60.06	59.80	68.98	76.06	128.78	120.84
BUILDLEN GEN_C	109.22	94.29	76.72	73.52	86.57	81.81
BUILDLEN GEN_C	85.61	87.77	87.26	84.10	78.39	70.29
BUILDLEN GEN_C	60.06	59.80	68.98	76.06	128.78	120.84
BUILDLEN GEN_C	109.22	94.29	76.72	73.52	86.57	81.81
BUILDLEN GEN_C	85.61	87.77	87.26	84.10	78.39	70.29
BUILDLEN GEN_E	60.06	59.80	132.79	132.80	128.78	71.76
BUILDLEN GEN_E	58.61	43.69	27.43	43.69	58.61	71.76
BUILDLEN GEN_E	82.73	133.84	142.79	147.41	147.55	143.21
BUILDLEN GEN_E	134.52	128.75	132.79	132.80	128.78	71.76
BUILDLEN GEN_E	58.61	43.69	27.43	43.69	58.61	71.76
BUILDLEN GEN_E	82.73	133.84	142.79	147.41	78.39	70.29

BUILDLEN	GEN_G	99.31	99.60	96.86	91.18	82.73	113.52
BUILDLEN	GEN_G	113.39	109.81	106.32	132.96	155.55	71.76
BUILDLEN	GEN_G	82.73	91.18	96.86	99.60	99.31	96.01
BUILDLEN	GEN_G	99.31	99.60	96.86	91.18	82.73	113.52
BUILDLEN	GEN_G	113.39	109.81	106.32	132.96	155.55	71.76
BUILDLEN	GEN_G	82.73	91.18	96.86	99.60	99.31	96.01
XBADJ	GEN_D	40.17	38.14	34.95	30.70	25.52	-13.02
XBADJ	GEN_D	-12.71	8.10	28.67	-38.25	-71.64	45.42
XBADJ	GEN_D	38.19	29.81	20.52	10.60	0.37	-199.29
XBADJ	GEN_D	-213.49	-221.20	-166.15	-167.55	-163.85	-155.18
XBADJ	GEN_D	-96.52	-102.40	-105.39	-121.89	-137.83	-150.50
XBADJ	GEN_D	-159.01	-163.65	-163.31	-158.02	-147.92	36.60
XBADJ	GEN_B	23.41	26.58	24.81	-28.58	-16.95	-4.80
XBADJ	GEN_B	7.50	19.57	31.04	41.57	46.14	44.46
XBADJ	GEN_B	41.42	37.13	31.71	25.33	-248.26	-184.99
XBADJ	GEN_B	-189.29	-187.83	-268.90	-104.22	-111.83	-116.04
XBADJ	GEN_B	-116.72	-113.86	-106.40	-115.09	-122.08	-126.26
XBADJ	GEN_B	-127.03	-124.90	-118.97	-109.43	11.04	17.49
XBADJ	GEN_A	-56.18	-51.40	-50.55	-48.16	-44.31	-39.12
XBADJ	GEN_A	-32.74	-25.36	-17.21	-8.54	-4.31	-4.79
XBADJ	GEN_A	-5.13	-5.32	-5.34	-5.20	-4.91	-4.46
XBADJ	GEN_A	-3.88	-8.40	-18.43	-27.90	-36.52	-44.04
XBADJ	GEN_A	-50.21	-54.86	-58.15	-64.98	-71.64	-77.01
XBADJ	GEN_A	-80.47	-82.45	-81.92	-78.90	-73.48	-65.83
XBADJ	GEN_C	-86.42	-81.27	-79.15	-74.62	-67.83	-58.97
XBADJ	GEN_C	-48.32	-36.21	-22.99	-9.08	-10.21	5.05
XBADJ	GEN_C	9.52	13.71	17.48	20.72	23.33	25.23
XBADJ	GEN_C	26.36	21.47	10.17	-1.44	-60.95	-61.87
XBADJ	GEN_C	-60.90	-58.09	-53.73	-64.45	-76.36	-86.85
XBADJ	GEN_C	-95.13	-101.47	-104.74	-104.82	-101.71	-95.52
XBADJ	GEN_E	-166.90	-162.69	-159.03	-150.54	-137.47	-3.67
XBADJ	GEN_E	-3.45	-3.12	-2.69	-18.85	-34.45	-48.99
XBADJ	GEN_E	-62.05	9.85	15.60	20.89	25.54	29.41
XBADJ	GEN_E	32.39	33.94	26.24	17.73	8.69	-68.09
XBADJ	GEN_E	-55.17	-40.57	-24.74	-24.83	-24.17	-22.77
XBADJ	GEN_E	-20.68	-143.68	-158.40	-168.30	-173.09	-172.62
XBADJ	GEN_G	-116.31	-112.27	-104.82	-94.19	-80.69	-76.13
XBADJ	GEN_G	-82.01	-85.41	-86.21	-92.87	-96.70	4.06
XBADJ	GEN_G	7.76	11.23	14.35	17.04	19.21	20.80
XBADJ	GEN_G	16.99	12.67	7.96	3.01	-2.04	-37.39
XBADJ	GEN_G	-31.38	-24.40	-20.11	-40.09	-58.85	-75.82
XBADJ	GEN_G	-90.49	-102.41	-111.22	-116.64	-118.53	-116.81

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YBADJ    GEN_D          -3.40    12.04    27.12    41.37    54.37    63.72
YBADJ    GEN_D         -84.31   -74.14   -61.72    92.36    98.78   -19.67
YBADJ    GEN_D          -3.98    11.83    27.28    41.90    55.25    49.46
YBADJ    GEN_D          28.23     6.14    34.69    13.72    -7.66   -28.82
YBADJ    GEN_D          84.31    74.14    61.72    47.43    34.76    19.67
YBADJ    GEN_D          32.35    12.14    -8.44   -28.76   -48.21   -49.46

YBADJ    GEN_B          -9.86    29.95    52.49   -66.62   -57.98   -47.57
YBADJ    GEN_B         -35.72   -22.78   -45.61   -32.48   -19.02    -4.86
YBADJ    GEN_B           9.45    23.47    36.78    48.97    75.13    21.11
YBADJ    GEN_B          -3.39   -27.79   -52.49    66.62    57.98    47.57
YBADJ    GEN_B          35.72    22.78    45.61    32.48    19.02     4.86
YBADJ    GEN_B          -9.45   -23.47   -36.78   -48.97   -75.13   -50.12

YBADJ    GEN_A         -28.22   -33.66   -36.11   -37.67   -38.56   -38.29
YBADJ    GEN_A         -36.85   -34.29   -30.68   -26.15   -21.50   -16.06
YBADJ    GEN_A         -10.13    -3.89     2.46     8.74    14.75    20.47
YBADJ    GEN_A          28.22    33.66    36.11    37.67    38.56    38.29
YBADJ    GEN_A          36.85    34.29    30.68    26.15    21.50    16.06
YBADJ    GEN_A          10.13     3.89    -2.46    -8.74   -14.75   -20.47

YBADJ    GEN_C         -27.69   -38.39   -45.95   -52.33   -34.56   -33.34
YBADJ    GEN_C         -31.11   -27.94   -23.91   -19.17   -16.90   -44.66
YBADJ    GEN_C         -36.59   -27.41   -17.39    -6.85     3.90    14.69
YBADJ    GEN_C          27.69    38.39    45.95    52.33    34.56    33.34
YBADJ    GEN_C          31.11    27.94    23.91    19.17    16.90    44.66
YBADJ    GEN_C          36.59    27.41    17.39     6.85    -3.90   -14.69

YBADJ    GEN_E         -15.25   -40.12   -50.16   -64.20   -76.76    33.73
YBADJ    GEN_E          38.81    42.71    45.31    46.54    46.35    44.76
YBADJ    GEN_E          41.80   -73.08   -59.81   -44.72   -28.27   -10.85
YBADJ    GEN_E          15.25    34.80    50.16    64.20    76.76   -33.73
YBADJ    GEN_E         -38.81   -42.71   -45.32   -46.54   -46.35   -44.76
YBADJ    GEN_E         -41.80    73.08    59.81    44.72    35.31    11.53

YBADJ    GEN_G         -18.25   -29.54   -39.94   -49.13   -56.82   -14.19
YBADJ    GEN_G         -22.02   -29.19   -35.46   -34.11   -31.72   -56.39
YBADJ    GEN_G         -48.60   -39.33   -28.86   -17.52    -5.65     6.40
YBADJ    GEN_G          18.25    29.54    39.94    49.13    56.82    14.19
YBADJ    GEN_G          22.02    29.19    35.47    34.11    31.72    56.39
YBADJ    GEN_G          48.60    39.33    28.86    17.52     5.65    -6.40

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SRCGROUP GEN-A    GEN_A
SRCGROUP GEN-B    GEN_B
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   SRCGROUP GEN-D    GEN_D
   SRCGROUP GEN-E    GEN_E
   SRCGROUP GEN-G    GEN_G
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** AERMOD Meteorology Pathway
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   PROFFILE "Mission Bay Met Data\Mission Bay.PFL"
   SURFDATA 23234 2008 SAN_FRANCISCO/INT'L_ARPT
   UAIRDATA 23230 2008 OAKLAND/WSO_AP
   PROFBASE 2.0 METERS
ME FINISHED
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   PLOTFILE PERIOD DelTrk "BALBOA OPERATIONS.AD\PE00G002.PLT" 33
   PLOTFILE PERIOD GEN-A "BALBOA OPERATIONS.AD\PE00G003.PLT" 34
   PLOTFILE PERIOD GEN-B "BALBOA OPERATIONS.AD\PE00G004.PLT" 35
   PLOTFILE PERIOD GEN-C "BALBOA OPERATIONS.AD\PE00G005.PLT" 36
   PLOTFILE PERIOD GEN-D "BALBOA OPERATIONS.AD\PE00G006.PLT" 37
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   PLOTFILE PERIOD GEN-G "BALBOA OPERATIONS.AD\PE00G008.PLT" 39
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** Project Parameters
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** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     10
** ZONEINX  0
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B3 CRRP Background Values

Balboa Reservoir - HRA

CRRP data

Last Updated: 2/1/2019

Notes/methods/assumptions:

Summarizes the CRRP-HRA receptors within 1,000 meters of the project boundary, shows the cancer risk and PM2.5 concentrations for each, and determines whether each receptor is in the APEZ
NOTE that the APEZ is defined EITHER by a cancer risk >100 OR a PM2.5 concentrations >10ug/m3 (doesn't have to be both)
The APEZ determinations were based on the APEZ GIS layer file from Josh Pollack at SF EP, provided to ESA on 1/7/19 - this includes the above thresholds AND points within 500 feet of Highway 280 - File prepared by Colin Struthers
Cancer values are scaled by 1.344 (as provided by BAAQMD) to account for the changes in the 2015 OEHHA Guidelines (the CRRP values were calcualted in 2012)
The APEZ determinations was then updated based on the OEHHA scaling factor, which creates new APEZ receptors
However, for receptors that meet the APEZ criteria with the new OEHHA scaling factor and are 500ft from 280 but AREN'T sensitive receptors (e.g. roadways), these were not classified in the APEZ

Sources:

CRRP-HRA Receptor_Grid_2012 -- \\sfo-file01\PROJECTS\SFO\17xxxx\D171111.00 - Balboa Reservoir\03 Working Documents\Technical\AQTR\CRRP-HRA
APEZ Data Receptors_2012_APEZ -- \\sfo-file01\PROJECTS\SFO\17xxxx\D171111.00 - Balboa Reservoir\03 Working Documents\Technical\AQTR\CRRP-HRA
OEHHA Scaling Email from Jessica Range on May 10, 2016

								SCALED to 2015 OEHHA Guidelines AND excluded if on 280 OR within 500 ft of 280 but not in APEZ						
		MAX:	11.32131	11.32131	100.7978	100.7978								
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*
			PM2.5	PM2.5	Cancer	Cancer					BAAQMD ID 21910		BAAQMD Health Risk	
CONCATENATED	X	Y	2014	2016	2015	2017	APEZ?	Cancer	PM2.5	APEZ?	Distance	Distance Lookup	Cancer	PM2.5
5480004174340	548000	4174340	8.2511	8.2511	5.409729	5.409729	FALSE	7.43513154	8.2511	FALSE	963.56	280	0.03228	0.0000406
5480204174340	548020	4174340	8.233077	8.233077	4.933717	4.933717	FALSE	6.78090064	8.233077	FALSE	959.31	280	0.03228	0.0000406
5480404174340	548040	4174340	8.218027	8.218027	4.526551	4.526551	FALSE	6.22129169	8.218027	FALSE	955.47	280	0.03228	0.0000406
5480604174340	548060	4174340	8.212764	8.212764	4.402096	4.402096	FALSE	6.05024074	8.212764	FALSE	952.02	280	0.03228	0.0000406
5480804174340	548080	4174340	8.204771	8.204771	4.187367	4.187367	FALSE	5.7551172	8.204771	FALSE	948.99	280	0.03228	0.0000406
5481004174340	548100	4174340	8.194369	8.194369	3.890839	3.890839	FALSE	5.34756912	8.194369	FALSE	946.37	280	0.03228	0.0000406
5481204174340	548120	4174340	8.179799	8.179799	3.467812	3.467812	FALSE	4.76616081	8.179799	FALSE	944.17	280	0.03228	0.0000406
5481404174340	548140	4174340	8.17007	8.17007	3.195889	3.195889	FALSE	4.39242984	8.17007	FALSE	942.38	280	0.03228	0.0000406
5481604174340	548160	4174340	8.164877	8.164877	3.049728	3.049728	FALSE	4.19154616	8.164877	FALSE	941.02	280	0.03228	0.0000406
5481804174340	548180	4174340	8.161072	8.161072	3.0438	3.0438	FALSE	4.18339872	8.161072	FALSE	940.08	280	0.03228	0.0000406
5482004174340	548200	4174340	8.16631	8.16631	3.234446	3.234446	FALSE	4.44542258	8.16631	FALSE	939.57	280	0.03228	0.0000406
5482204174340	548220	4174340	8.179849	8.179849	3.665801	3.665801	FALSE	5.03827689	8.179849	FALSE	939.48	280	0.03228	0.0000406
5478804174360	547880	4174360	8.258886	8.258886	5.616678	5.616678	FALSE	7.71956224	8.258886	FALSE	978.30	280	0.03228	0.0000406
5479004174360	547900	4174360	8.253003	8.253003	5.32791	5.32791	FALSE	7.3226795	8.253003	FALSE	971.65	280	0.03228	0.0000406
5479204174360	547920	4174360	8.267024	8.267024	5.528739	5.528739	FALSE	7.59869888	8.267024	FALSE	965.37	280	0.03228	0.0000406
5479404174360	547940	4174360	8.307515	8.307515	6.344835	6.344835	FALSE	8.72034122	8.307515	FALSE	959.46	280	0.03228	0.0000406
5479604174360	547960	4174360	8.275446	8.275446	5.744644	5.744644	FALSE	7.89543871	8.275446	FALSE	953.94	280	0.03228	0.0000406
5479804174360	547980	4174360	8.254227	8.254227	5.362821	5.362821	FALSE	7.37066118	8.254227	FALSE	948.81	280	0.03228	0.0000406
5480004174360	548000	4174360	8.226004	8.226004	4.629338	4.629338	FALSE	6.36256215	8.226004	FALSE	944.07	280	0.03228	0.0000406
5480204174360	548020	4174360	8.206685	8.206685	4.111347	4.111347	FALSE	5.65063532	8.206685	FALSE	939.74	280	0.03228	0.0000406
5480404174360	548040	4174360	8.19215	8.19215	3.725008	3.725008	FALSE	5.119651	8.19215	FALSE	935.81	280	0.03228	0.0000406
5480604174360	548060	4174360	8.188023	8.188023	3.632316	3.632316	FALSE	4.99225511	8.188023	FALSE	932.29	280	0.03228	0.0000406
5480804174360	548080	4174360	8.181403	8.181403	3.460742	3.460742	FALSE	4.7564438	8.181403	FALSE	929.20	280	0.03228	0.0000406
5481004174360	548100	4174360	8.172758	8.172758	3.221343	3.221343	FALSE	4.42741382	8.172758	FALSE	926.52	280	0.03228	0.0000406
5481204174360	548120	4174360	8.161432	8.161432	2.90122	2.90122	FALSE	3.98743677	8.161432	FALSE	924.27	280	0.03228	0.0000406
5481404174360	548140	4174360	8.153899	8.153899	2.698082	2.698082	FALSE	3.7082439	8.153899	FALSE	922.45	280	0.03228	0.0000406
5481604174360	548160	4174360	8.149936	8.149936	2.591883	2.591883	FALSE	3.562284	8.149936	FALSE	921.05	280	0.03228	0.0000406
5481804174360	548180	4174360	8.147983	8.147983	2.640394	2.640394	FALSE	3.62895751	8.147983	FALSE	920.09	280	0.03228	0.0000406
5482004174360	548200	4174360	8.154023	8.154023	2.849928	2.849928	FALSE	3.91694104	8.154023	FALSE	919.57	280	0.03228	0.0000406
5482204174360	548220	4174360	8.167558	8.167558	3.278604	3.278604	FALSE	4.50611334	8.167558	FALSE	919.48	280	0.03228	0.0000406
5482404174360	548240	4174360	8.184167	8.184167	3.80758	3.80758	TRUE	5.23313795	8.184167	TRUE	919.82	280	0.03228	0.0000406
5482604174360	548260	4174360	8.207169	8.207169	4.542468	4.542468	TRUE	6.24316802	8.207169	TRUE	920.60	280	0.03228	0.0000406
5482804174360	548280	4174360	8.241684	8.241684	5.66076	5.66076	FALSE	7.78014854	8.241684	FALSE	921.81	280	0.03228	0.0000406
5483004174360	548300	4174360	8.285964	8.285964	7.077138	7.077138	TRUE	9.72681847	8.285964	TRUE	923.46	280	0.03228	0.0000406
5483204174360	548320	4174360	8.341298	8.341298	8.808977	8.808977	TRUE	12.107058	8.341298	TRUE	925.53	280	0.03228	0.0000406
5483404174360	548340	4174360	8.411676	8.411676	10.94146	10.94146	TRUE	15.0379371	8.411676	TRUE	928.03	280	0.03228	0.0000406
5478004174380	547800	4174380	8.262966	8.262966	5.826419	5.826419	FALSE	8.00783027	8.262966	FALSE	990.23	280	0.03228	0.0000406
5478204174380	547820	4174380	8.266182	8.266182	5.923404	5.923404	FALSE	8.14112646	8.266182	FALSE	982.04	280	0.03228	0.0000406
5478404174380	547840	4174380	8.26399	8.26399	5.848823	5.848823	FALSE	8.03862233	8.26399	FALSE	974.18	280	0.03228	0.0000406
5478604174380	547860	4174380	8.256674	8.256674	5.592763	5.592763	FALSE	7.68669347	8.256674	FALSE	966.68	280	0.03228	0.0000406
5478804174380	547880	4174380	8.24666	8.24666	5.23037	5.23037	FALSE	7.18862053	8.24666	FALSE	959.53	280	0.03228	0.0000406
5479004174380	547900	4174380	8.245796	8.245796	5.095329	5.095329	FALSE	7.00302018	8.245796	FALSE	952.75	280	0.03228	0.0000406
5479204174380	547920	4174380	8.261939	8.261939	5.344547	5.344547	FALSE	7.3455454	8.261939	FALSE	946.34	280	0.03228	0.0000406
5479404174380	547940	4174380	8.297276	8.297276	6.024424	6.024424	FALSE	8.27996835	8.297276	FALSE	940.32	280	0.03228	0.0000406
5479604174380	547960	4174380	8.261259	8.261259	5.308748	5.308748	FALSE	7.29634325	8.261259	FALSE	934.68	280	0.03228	0.0000406
5479804174380	547980	4174380	8.237067	8.237067	4.828479	4.828479	FALSE	6.63626154	8.237067	FALSE	929.44	280	0.03228	0.0000406
5480004174380	548000	4174380	8.20608	8.20608	4.017219	4.017219	FALSE	5.52126579	8.20608	FALSE	924.60	280	0.03228	0.0000406
5480204174380	548020	4174380	8.1861	8.1861	3.489052	3.489052	FALSE	4.79535307	8.1861	FALSE	920.18	280	0.03228	0.0000406
5480404174380	548040	4174380	8.172634	8.172634	3.136301	3.136301	FALSE	4.31053209	8.172634	FALSE	916.17	280	0.03228	0.0000406
5480604174380	548060	4174380	8.169524	8.169524	3.069408	3.069408	FALSE	4.21859436	8.169524	FALSE	912.58	280	0.03228	0.0000406
5480804174380	548080	4174380	8.163827	8.163827	2.924309	2.924309	FALSE	4.01917029	8.163827	FALSE	909.41	280	0.03228	0.0000406
5481004174380	548100	4174380	8.156163	8.156163	2.715923	2.715923	FALSE	3.73276457	8.156163	FALSE	906.68	280	0.03228	0.0000406
5481204174380	548120	4174380	8.14707	8.14707	2.467174	2.467174	FALSE	3.39088395	8.14707	FALSE	904.37	280	0.03228	0.0000406
5481404174380	548140	4174380	8.141608	8.141608	2.327756	2.327756	FALSE	3.19926785	8.141608	FALSE	902.51	280	0.03228	0.0000406
5481604174380	548160	4174380	8.141529	8.141529	2.339124	2.339124	FALSE	3.21489203	8.141529	FALSE	901.09	280	0.03228	0.0000406
5481804174380	548180	4174380	8.138656	8.138656	2.358102	2.358102	FALSE	3.24097539	8.138656	FALSE	900.11	280	0.03228	0.0000406
5482004174380	548200	4174380	8.145161	8.145161	2.576605	2.576605	FALSE	3.54128591	8.145161	FALSE	899.57	280	0.03228	0.0000406
5482204174380	548220	4174380	8.158546	8.158546	2.9988	2.9988	FALSE	4.12155072	8.158546	FALSE	899.48	280	0.03228	0.0000406
5482404174380	548240	4174380	8.174214	8.174214	3.498003	3.498003	TRUE	4.80765532	8.174214	TRUE	899.83	280	0.03228	0.0000406
5482604174380	548260	4174380	8.194084	8.194084	4.132475	4.132475	TRUE	5.67967364	8.194084	TRUE	900.63	280	0.03228	0.0000406
5482804174380	548280	4174380	8.221043	8.221043	5.006132	5.006132	FALSE	6.88042782	8.221043	FALSE	901.86	280	0.03228	0.0000406
5483004174380	548300	4174380	8.261979	8.261979	6.324051	6.324051	TRUE	8.69177569	8.261979	TRUE	903.54	280	0.03228	0.0000406
5483204174380	548320	4174380	8.310972	8.310972	7.881144	7.881144	TRUE	10.8318443	8.310972	TRUE	905.66	280	0.03228	0.0000406
5483404174380	548340	4174380	8.366896	8.366896	9.591406	9.591406	TRUE	13.1824284	8.366896	TRUE	908.22	280	0.03228	0.0000406
5483604174380	548360	4174380	8.434136	8.434136	11.61215	11.61215	TRUE	15.9597348	8.434136	TRUE	911.20	280	0.03228	0.0000406
5483804174380	548380	4174380	8.50866	8.50866	13.76946	13.76946	FALSE	18.9247513	8.50866	FALSE	914.62	280	0.03228	0.0000406
5484004174380	548400	4174380	8.588763	8.588763	15.90936	15.90936	FALSE	21.8658175	8.588763	FALSE	918.46	280	0.03228	0.0000406
5484204174380	548420	4174380	8.746134	8.746134	19.87612	19.87612	TRUE	27.3177366	8.746134	TRUE	922.71	280	0.03228	0.0000406
5477404174400	547740	4174400	8.208273	8.208273	4.121156	4.121156	FALSE	5.66411681	8.208273	FALSE	999.14	280	0.03228	0.0000406
5477604174400	547760	4174400	8.220231	8.220231	4.496037	4.496037	FALSE	6.17935325	8.220231	FALSE	989.81	280	0.03228	0.0000406
5477804174400	547780	4174400	8.229553	8.229553	4.792185	4.792185	FALSE	6.58637906	8.229553	FALSE	980.79	280	0.03228	0.0000406
5478004174400	547800	4174400	8.23552	8.23552	4.974784	4.974784	FALSE	6.83734313	8.23552	FALSE	972.10	280	0.03228	0.0000406

MAXIMUM Background Risks (for tables)

	UTM X	Y	Value
Cancer	548680	4175020	138.54
PM2.5	548880	4175660	11.32

X	548560	548560417	36.48271
Y	4175160		8.800949
			TRUE

APEZ Receptors - from EP

Calculated using APEZ layer/ shapefile from Josh Pollack at EP

X	Y	CONCATENATED
548240	4174360	5482404174360
548260	4174360	5482604174360
548300	4174360	5483004174360
548320	4174360	5483204174360
548340	4174360	5483404174360
548240	4174380	5482404174380
548260	4174380	5482604174380
548300	4174380	5483004174380
548320	4174380	5483204174380
548340	4174380	5483404174380
548360	4174380	5483604174380
548420	4174380	5484204174380
548320	4174400	5483204174400
548340	4174400	5483404174400
548360	4174400	5483604174400
548380	4174400	5483804174400
548420	4174400	5484204174400
548440	4174400	5484404174400
548460	4174400	5484604174400
548480	4174400	5484804174400
548340	4174420	5483404174420
548360	4174420	5483604174420
548380	4174420	5483804174420
548400	4174420	5484004174420
548440	4174420	5484404174420
548460	4174420	5484604174420
548480	4174420	5484804174420
548500	4174420	5485004174420
548520	4174420	5485204174420
548340	4174440	5483404174440
548360	4174440	5483604174440
548380	4174440	5483804174440
548400	4174440	5484004174440
548440	4174440	5484404174440
548460	4174440	5484604174440
548480	4174440	5484804174440
548500	4174440	5485004174440
548520	4174440	5485204174440
548540	4174440	5485404174440
548560	4174440	5485604174440
548580	4174440	5485804174440
548360	4174460	5483604174460
548380	4174460	5483804174460
548400	4174460	5484004174460
548420	4174460	5484204174460
548460	4174460	5484604174460
548480	4174460	5484804174460
548500	4174460	5485004174460
548520	4174460	5485204174460
548540	4174460	5485404174460
548560	4174460	5485604174460
548580	4174460	5485804174460
548600	4174460	5486004174460
548620	4174460	5486204174460
548380	4174480	5483804174480
548400	4174480	5484004174480
548480	4174480	5484804174480
548500	4174480	5485004174480
548520	4174480	5485204174480
548540	4174480	5485404174480
548560	4174480	5485604174480
548580	4174480	5485804174480
548600	4174480	5486004174480
548620	4174480	5486204174480
548640	4174480	5486404174480
548380	4174500	5483804174500
548400	4174500	5484004174500
548440	4174500	5484404174500
548460	4174500	5484604174500
548480	4174500	5484804174500
548500	4174500	5485004174500
548520	4174500	5485204174500
548540	4174500	5485404174500
548560	4174500	5485604174500
548580	4174500	5485804174500
548600	4174500	5486004174500
548620	4174500	5486204174500
548640	4174500	5486404174500

Receptors ON 280

These are receptors located on 280, regardles of the APEZ

X	Y	CONCATENATED
548480	4174400	5484804174400
548500	4174420	5485004174420
548520	4174420	5485204174420
548540	4174420	5485404174420
548520	4174440	5485204174440
548540	4174440	5485404174440
548520	4174460	5485204174460
548540	4174460	5485404174460
548560	4174460	5485604174460
548540	4174480	5485404174480
548560	4174480	5485604174480
548540	4174500	5485404174500
548560	4174500	5485604174500
548580	4174500	5485804174500
548560	4174520	5485604174520
548580	4174520	5485804174520
548560	4174540	5485604174540
548580	4174540	5485804174540
548600	4174540	5486004174540
548580	4174560	5485804174560
548600	4174560	5486004174560
548580	4174580	5485804174580
548600	4174580	5486004174580
548580	4174600	5485804174600
548600	4174600	5486004174600
548580	4174620	5485804174620
548600	4174620	5486004174620
548620	4174620	5486204174620
548600	4174640	5486004174640
548620	4174640	5486204174640
548600	4174660	5486004174660
548620	4174660	5486204174660
548600	4174680	5486004174680
548620	4174680	5486204174680
548600	4174700	5486004174700
548620	4174700	5486204174700
548600	4174720	5486004174720
548620	4174720	5486204174720
548620	4174740	5486204174740
548620	4174760	5486204174760
548620	4174780	5486204174780
548600	4174800	5486004174800
548620	4174800	5486204174800
548600	4174820	5486004174820
548620	4174820	5486204174820
548640	4174820	5486404174820
548600	4174840	5486004174840
548640	4174840	5486404174840
548600	4174860	5486004174860
548620	4174860	5486204174860
548640	4174860	5486404174860
548620	4174880	5486204174880
548640	4174880	5486404174880
548620	4174900	5486204174900
548640	4174900	5486404174900
548620	4174920	5486204174920
548640	4174920	5486404174920
548620	4174940	5486204174940
548640	4174940	5486404174940
548620	4174960	5486204174960
548640	4174960	5486404174960
548620	4174980	5486204174980
548640	4174980	5486404174980
548620	4175000	5486204175000
548640	4175000	5486404175000
548620	4175020	5486204175020
548640	4175020	5486404175020

Receptors within 500ft of 280 but NOT in APEZ

These points are in the boundary between APEZ polygons but within 500 ft of the freeway; they are not actually SR points

X	Y	CONCATENATED
548280	4174360	5482804174360
548280	4174380	5482804174380
548380	4174380	5483804174380
548400	4174380	5484004174380
548300	4174400	5483004174400
548400	4174400	5484004174400
548400	4174420	5484204174420
548420	4174420	5484204174420
548560	4174460	5485604174460
548420	4174480	5484204174480
548440	4174480	5484404174480
548460	4174480	5484604174480
548480	4174480	5484804174480
548500	4174480	5485004174480
548520	4174480	5485204174480
548540	4174480	5485404174480
548560	4174480	5485604174480
548580	4174480	5485804174480
548600	4174480	5486004174480
548620	4174480	5486204174480
548640	4174480	5486404174480
548460	4174500	5484604174500
548480	4174500	5484804174500
548500	4174500	5485004174500
548520	4174500	5485204174500
548540	4174500	5485404174500
548560	4174500	5485604174500
548580	4174500	5485804174500
548600	4174500	5486004174500
548620	4174500	5486204174500
548640	4174500	5486404174500
548660	4174500	5486604174500
548680	4174500	5486804174500
548700	4174500	5487004174500
548720	4174500	5487204174500
548740	4174500	5487404174500
548760	4174500	5487604174500
548780	4174500	5487804174500
548800	4174500	5488004174500
548820	4174500	5488204174500
548840	4174500	5488404174500
548860	4174500	5488604174500
548880	4174500	5488804174500
548900	4174500	5489004174500
548920	4174500	5489204174500
548940	4174500	5489404174500
548960	4174500	5489604174500
548980	4174500	5489804174500
549000	4174500	5490004174500
549020	4174500	5490204174500
549040	4174500	5490404174500
549060	4174500	5490604174500
549080	4174500	5490804174500
549100	4174500	5491004174500
549120	4174500	5491204174500
549140	4174500	5491404174500
549160	4174500	5491604174500
549180	4174500	5491804174500
549200	4174500	5492004174500
549220	4174500	5492204174500
549240	4174500	5492404174500
549260	4174500	5492604174500
549280	4174500	5492804174500
549300	4174500	5493004174500
549320	4174500	5493204174500
549340	4174500	5493404174500
549360	4174500	5493604174500
549380	4174500	5493804174500
549400	4174500	5494004174500
549420	4174500	5494204174500
549440	4174500	5494404174500
549460	4174500	5494604174500
549480	4174500	5494804174500
549500	4174500	5495004174500
549520	4174500	5495204174500
549540	4174500	5495404174500
549560	4174500	5495604174500
549580	4174500	5495804174500
549600	4174500	5496004174500
549620	4174500	5496204174500
549640	4174500	5496404174500
549660	4174500	5496604174500
549680	4174500	5496804174500
549700	4174500	5497004174500
549720	4174500	5497204174500
549740	4174500	5497404174500
549760	4174500	5497604174500
549780	4174500	5497804174500
549800	4174500	5498004174500
549820	4174500	5498204174500
549840	4174500	5498404174500
549860	4174500	5498604174500
549880	4174500	5498804174500
549900	4174500	5499004174500
549920	4174500	5499204174500
549940	4174500	5499404174500
549960	4174500	5499604174500
549980	4174500	5499804174500
550000	4174500	5500004174500
550020	4174500	5500204174500
550040	4174500	5500404174500
550060	4174500	5500604174500
550080	4174500	5500804174500
550100	4174500	5501004174500
550120	4174500	5501204174500
550140	4174500	5501404174500
550160	4174500	5501604174500
550180	4174500	5501804174500
550200	4174500	5502004174500
550220	4174500	5502204174500
550240	4174500	5502404174500
550260	4174500	5502604174500
550280	4174500	5502804174500
550300	4174500	5503004174500
550320	4174500	5503204174500
550340	4174500	5503404174500
550360	4174500	5503604174500
550380	4174500	5503804174500
550400	4174500	5504004174500
550420	4174500	5504204174500
550440	4174500	5504404174500
550460	4174500	5504604174500
550480	4174500	5504804174500
550500	4174500	5505004174500
550520	4174500	5505204174500
550540	4174500	5505404174500
550560	4174500	5505604174500
550580	4174500	5505804174500
550600	4174500	5506004174500
550620	4174500	5506204174500
550640	4174500	5506404174500
550660	4174500	5506604174500
550680	4174500	5506804174500
550700	4174500	5507004174500
550720	4174500	5507204174500
550740	4174500	5507404174500
550760	4174500	5507604174500
550780	4174500	5507804174500
550800	4174500	5508004174500
550820	4174500	5508204174500
550840	4174500	5508404174500
550860	4174500	5508604174500
550880	4174500	5508804174500
550900	4174500	5509004174500
550920	4174500	5509204174500
550940	4174500	5509404174500
550960	4174500	5509604174500
550980	4174500	5509804174500
551000	4174500	5510004174500
551020	4174500	5510204174500
551040	4174500	5510404174500
551060	4174500	5510604174500
551080	4174500	5510804174500
551100	4174500	5511004174500
551120	4174500	5511204174500
551140	4174500	5511404174500
551160	4174500	5511604174500
551180	4174500	5511804174500
551200	4174500	5512004174500
551220	4174500	5512204174500
551240	4174500	5512404174500
551260	4174500	5512604174500
551280	4174500	5512804174500
551300	4174500	5513004174500
551320	4174500	5513204174500
551340	4174500	5513404174500
551360	4174500	5513604174500
551380	4174500	5513804174500
551400	4174500	5514004174500
551420	4174500	5514204174500
551440	4174500	5514404174500
551460	4174500	5514604174500
551480	4174500	5514804174500
551500	4174500	5515004174500
551520	4174500	5515204174500
551540	4174500	5515404174500
551560	4174500	5515604174500
551580	4174500	5515804174500
551600	4174500	5516004174500
551620	4174500	5516204174500
551640	4174500	5516404174500
551660	4174500	5516604174500
551680	4174500	5516804174500
551700	4174500	5517004174500
551720	4174500	5517204174500
551740	4174500	5517404174500
551760	4174500	5517604174500
551780	4174500	5517804174500
551800	4174500	5518004174500
551820	4174500	5518204174500
551840	4174500	5518404174500
551860	4174500	5518604174500
551880	4174500	5518804174500
551900	4174500	5519004174500
551920	4174500	5519204174500
551940	4174500	5519404174500
551960	4174500	5519604174500
551980	4174500	5519804174500
552000	4174500	5520004174500
552020	4174500	5520204174500
552040	4174500	5520404174500
552060	4174500	5520604174500
552080	4174500	5520804174500
552100	4174500	5521004174500
552120	4174500	5521204174500
552140	4174500	5521404174500
552160	4174500	5521604174500
552180	4174500	5521804174500
552200	4174500	5522004174500
552220	4174500	5522204174500
552240	4174500	5522404174500
552260	4174500	5522604174500

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5482804174500	548280	4174500	8.218658	8.218658	4.961346	4.961346	FALSE	6.81887394	8.218658	FALSE	782.23	280	0.03228	0.0000406	548540	4174960	5485404174960	548860	4175520	5488604175520	548500	4174820	HWY 500								
5483004174500	548300	4174500	8.241052	8.241052	5.710967	5.710967	FALSE	7.84915304	8.241052	FALSE	784.17	280	0.03228	0.0000406	548580	4174960	5485804174960	548880	4175520	5488804175520	548520	4174820	APEZ	HWY 500							
5483204174500	548320	4174500	8.269103	8.269103	6.66416	6.66416	FALSE	9.1592215	8.269103	FALSE	786.61	280	0.03228	0.0000406	548600	4174960	5486004174960	548900	4175520	5489004175520	548540	4174820	APEZ	HWY 500							
5483404174500	548340	4174500	8.303979	8.303979	7.897476	7.897476	FALSE	10.854291	8.303979	FALSE	789.55	280	0.03228	0.0000406	548620	4174960	5486204174960	548920	4175520	5489204175520	548560	4174820	APEZ	HWY 500							
5483604174500	548360	4174500	8.345081	8.345081	9.795375	9.795375	FALSE	13.4627634	8.345081	FALSE	792.98	280	0.03228	0.0000406	548640	4174960	5486404174960	548940	4175520	5489404175520	548580	4174820		HWY 500							
5483804174500	548380	4174500	8.374385	8.374385	10.12366	10.12366	FALSE	13.9139542	8.374385	FALSE	796.90	280	0.03228	0.0000406	548660	4174960	5486604174960	548960	4175520	5489604175520	548600	4174820	APEZ	HWY 500	I-280						
5484004174500	548400	4174500	8.499341	8.499341	16.77424	16.77424	FALSE	23.05451	8.499341	FALSE	801.31	280	0.03228	0.0000406	548680	4174960	5486804174960	548620	4175540	5486204175540	548620	4174820	APEZ	HWY 500	I-280						
5484204174500	548420	4174500	8.548572	8.548572	17.54942	17.54942	TRUE	24.1199187	8.548572	TRUE	806.18	280	0.03228	0.0000406	548700	4174960	5487004174960	548640	4175540	5486404175540	548640	4174820	APEZ	HWY 500	I-280						
5484404174500	548440	4174500	8.586482	8.586482	17.38429	17.38429	TRUE	23.8929613	8.586482	TRUE	811.51	280	0.03228	0.0000406	548720	4174960	5487204174960	548660	4175540	5486604175540	548660	4174820	APEZ	HWY 500							
5484604174500	548460	4174500	8.60756	8.60756	17.32815	17.32815	FALSE	23.815808	8.60756	FALSE	817.31	280	0.03228	0.0000406	548740	4174960	5487404174960	548680	4175540	5486804175540	548680	4174820		HWY 500							
5484804174500	548480	4174500	8.668528	8.668528	18.60762	18.60762	TRUE	25.5743061	8.668528	TRUE	823.54	280	0.03228	0.0000406	548460	4174980	5484604174980	548700	4175540	5487004175540	548700	4174820		HWY 500							
5485004174500	548500	4174500	8.744741	8.744741	20.15064	20.15064	TRUE	27.6950341	8.744741	TRUE	830.21	280	0.03228	0.0000406	548500	4174980	5485004174980	548720	4175540	5487204175540	548720	4174820		HWY 500							
5485204174500	548520	4174500	8.969241	8.969241	25.73245	25.73245	FALSE	35.3666752	8.969241	FALSE	837.31	280	0.03228	0.0000406	548520	4174980	5485204174980	548740	4175540	5487404175540	548740	4174820	APEZ	HWY 500							
5485404174500	548540	4174500	9.819478	9.819478	47.34072	47.34072	FALSE	65.0650828	9.819478	FALSE	844.82	280	0.03228	0.0000406	548540	4174980	5485404174980	548880	4175540	5488804175540	548760	4174820	APEZ	HWY 500							
5485604174500	548560	4174500	10.47696	10.47696	63.86174	63.86174	FALSE	87.7715782	10.476964	FALSE	852.73	280	0.03228	0.0000406	548560	4174980	5485604174980	548900	4175540	5489004175540	548780	4174820	APEZ	HWY 500							
5485804174500	548580	4174500	9.675557	9.675557	43.81043	43.81043	FALSE	60.2130509	9.675557	FALSE	861.04	280	0.03228	0.0000406	548600	4174980	5486004174980	548920	4175540	5489204175540	548800	4174820	APEZ								
5486004174500	548600	4174500	9.637037	9.637037	42.98011	42.98011	TRUE	59.0718659	9.637037	TRUE	869.73	280	0.03228	0.0000406	548620	4174980	5486204174980	548940	4175540	5489404175540	548820	4174820	APEZ								
5486204174500	548620	4174500	9.212334	9.212334	33.06563	33.06563	FALSE	45.4454032	9.212334	FALSE	878.78	280	0.03228	0.0000406	548640	4174980	5486404174980	548960	4175540	5489604175540	548460	4174840	APEZ	HWY 500							
5486404174500	548640	4174500	9.01758	9.01758	28.82832	28.82832	TRUE	39.6216485	9.01758	TRUE	888.19	280	0.03228	0.0000406	548660	4174980	5486604174980	548980	4175540	5489804175540	548480	4174840	APEZ	HWY 500							
5486604174500	548660	4174500	8.902689	8.902689	26.74592	26.74592	TRUE	36.7595897	8.902689	TRUE	897.95	280	0.03228	0.0000406	548680	4174980	5486804174980	548640	4175560	5486404175560	548500	4174840		HWY 500							
5486804174500	548680	4174500	8.832484	8.832484	26.23557	26.23557	TRUE	36.0581729	8.832484	TRUE	908.05	280	0.03228	0.0000406	548700	4174980	5487004174980	548660	4175560	5486604175560	548520	4174840	APEZ	HWY 500							
5474404174520	547440	4174520	8.132681	8.132681	1.921459	1.921459	FALSE	2.64085325	8.132681	FALSE	1084.49	280	0.03228	0.0000406	548720	4174980	5487204174980	548680	4175560	5486804175560	548540	4174840	APEZ	HWY 500							
5474604174520	547460	4174520	8.139025	8.139025	2.084876	2.084876	FALSE	2.86545357	8.139025	FALSE	1070.30	280	0.03228	0.0000406	548800	4174980	5488004174980	548700	4175560	5487004175560	548560	4174840	APEZ	HWY 500							
5474804174520	547480	4174520	8.145249	8.145249	2.256062	2.256062	FALSE	3.10073161	8.145249	FALSE	1056.30	280	0.03228	0.0000406	548820	4174980	5488204174980	548720	4175560	5487204175560	548580	4174840	APEZ	HWY 500							
5475004174520	547500	4174520	8.152356	8.152356	2.425519	2.425519	FALSE	3.33363331	8.152356	FALSE	1042.50	280	0.03228	0.0000406	548460	4175000	5484604175000	548740	4175560	5487404175560	548600	4174840		HWY 500	I-280						
5475204174520	547520	4174520	8.152162	8.152162	2.420121	2.420121	FALSE	3.3262143	8.152162	FALSE	1028.91	280	0.03228	0.0000406	548500	4175000	5485004175000	548880	4175560	5488804175560	548620	4174840	APEZ	HWY 500	I-280						
5475404174520	547540	4174520	8.15763	8.15763	2.56776	2.56776	FALSE	3.52912934	8.15763	FALSE	1015.52	280	0.03228	0.0000406	548520	4175000	5485204175000	548900	4175560	5489004175560	548640	4174840	APEZ	HWY 500	I-280						
5475604174520	547560	4174520	8.165114	8.165114	2.778661	2.778661	FALSE	3.81899168	8.165114	FALSE	1002.35	280	0.03228	0.0000406	548540	4175000	5485404175000	548920	4175560	5489204175560	548660	4174840	APEZ	HWY 500							
5475804174520	547580	4174520	8.166312	8.166312	2.804411	2.804411	FALSE	3.85438248	8.166312	FALSE	989.42	280	0.03228	0.0000406	548560	4175000	5485604175000	548940	4175560	5489404175560	548680	4174840		HWY 500							
5476004174520	547600	4174520	8.169926	8.169926	2.93571	2.93571	FALSE	4.03483982	8.169926	FALSE	976.72	280	0.03228	0.0000406	548600	4175000	5486004175000	548960	4175560	5489604175560	548700	4174840		HWY 500							
5476204174520	547620	4174520	8.173092	8.173092	3.027341	3.027341	FALSE	4.16077747	8.173092	FALSE	964.27	280	0.03228	0.0000406	548620	4175000	5486204175000	548980	4175560	5489804175560	548720	4174840	APEZ	HWY 500							
5476404174520	547640	4174520	8.169919	8.169919	2.905509	2.905509	FALSE	3.99333157	8.169919	FALSE	952.07	280	0.03228	0.0000406	548640	4175000	5486404175000	549000	4175560	5490004175560	548740	4174840	APEZ	HWY 500							
5476604174520	547660	4174520	8.175024	8.175024	2.955345	2.955345	FALSE	4.06182617	8.175024	FALSE	940.15	280	0.03228	0.0000406	548660	4175000	5486604175000	548640	4175580	5486404175580	548760	4174840	APEZ	HWY 500							
5476804174520	547680	4174520	8.170982	8.170982	2.848889	2.848889	FALSE	3.91551304	8.170982	FALSE	928.50	280	0.03228	0.0000406	548680	4175000	5486804175000	548660	4175580	5486604175580	548780	4174840	APEZ	HWY 500							
5477004174520	547700	4174520	8.175422	8.175422	2.91772	2.91772	FALSE	4.01011437	8.175422	FALSE	917.14	280	0.03228	0.0000406	548760	4175000	5487604175000	548680	4175580	5486804175580	548800	4174840	APEZ								
5477204174520	547720	4174520	8.172182	8.172182	2.858647	2.858647	FALSE	3.92892444	8.172182	FALSE	906.08	280	0.03228	0.0000406	548460	4175020	5484604175020	548700	4175580	5487004175580	548820	4174840	APEZ								
5477404174520	547740	4174520	8.174508	8.174508	2.932388	2.932388	FALSE	4.03027407	8.174508	FALSE	895.33	280	0.03228	0.0000406	548480	4175020	5484804175020	548720	4175580	5487204175580	548440	4174860	APEZ								
5477604174520	547760	4174520	8.180494	8.180494	3.100909	3.100909	FALSE	4.26188933	8.180494	FALSE	884.90	280	0.03228	0.0000406	548520	4175020	5485204175020	548740	4175580	5487404175580	548460	4174860	APEZ	HWY 500							
5477804174520	547780	4174520	8.18356	8.18356	3.190305	3.190305	FALSE	4.38475519	8.18356	FALSE	874.80	280	0.03228	0.0000406	548540	4175020	5485404175020	548760	4175580	5487604175580	548480	4174860	APEZ	HWY 500							
5478004174520	547800	4174520	8.187471	8.187471	3.304874	3.304874	FALSE	4.54221883	8.187471	FALSE	865.05	280	0.03228	0.0000406	548560	4175020	5485604175020	548900	4175580	5489004175580	548500	4174860	APEZ	HWY 500							
5478204174520	547820	4174520	8.186282	8.186282	3.248895	3.248895	FALSE	4.46528129	8.186282	FALSE	855.66	280	0.03228	0.0000406	548580	4175020	5485804175020	548920	4175580	5489204175580	548520	4174860		HWY 500							
5478404174520	547840	4174520	8.188344	8.188344	3.293852	3.293852	FALSE	4.52707019	8.188344	FALSE	846.63	280	0.03228	0.0000406	548620	4175020	5486204175020	548940	4175580	5489404175580	548540	4174860	APEZ	HWY 500							
5478604174520	547860	4174520	8.190014	8.190014	3.320469	3.320469	FALSE	4.56365259	8.190014	FALSE	837.98	280	0.03228	0.0000406	548640	4175020	5486404175020	548960	4175580	5489604175580	548560	4174860	APEZ	HWY 500							
5478804174520	547880	4174520	8.192931	8.192931	3.35653	3.35653	FALSE	4.61321483	8.192931	FALSE	829.73	280	0.03228	0.0000406	548660	4175020	5486604175020	548980	4175580	5489804175580	548580	4174860		HWY 500							
5479004174520	547900	4174520	8.198258	8.198258	3.421367	3.421367	FALSE	4.7023268	8.198258	FALSE	821.88	280	0.03228	0.0000406	548680	4175020	5486804175020	549000	4175580	5490004175580	548600	4174860		HWY 500	I-280						
5479204174520	547920	4174520	8.217327	8.217327	3.757102	3.757102	FALSE	5.16376099	8.217327	FALSE	814.44	280	0.03228	0.0000406	548700	4175020	5487004175020	549020	4175580	5490204175580	548620	4174860		HWY 500	I-280						
5479404174520	547940	4174520	8.196762	8.196762	3.296408	3.296408	FALSE	4.53058316	8.196762	FALSE	807.43	280	0.03228	0.0000406	548720	4175020	5487204175020	548660	4175600	5486604175600	548640	4174860		HWY 500	I-280						
5479604174520	547960	4174520	8.197073	8.197073	3.27519	3.27519	FALSE	4.50142114	8.197073	FALSE	800.86	280	0.03228	0.0000406	548740	4175020	5487404175020	548680	4175600	5486804175600	548660	4174860	APEZ	HWY 500							
5479804174520	547980	4174520	8.176103	8.176103	2.811361	2.811361	FALSE	3.86393456	8.176103	FALSE	794.74	280	0.03228	0.0000406	548760	4175020	5487604175020	548700	4175600	5487004175600	548680	4174860	APEZ	HWY 500							
5480004174520	548000	4174520	8.16668	8.16668	2.611535	2.611535	FALSE	3.5892937	8.16668	FALSE	789.08	280	0.03228	0.0000406	548780	4175020	5487804175020	548720	4175600	5487204175600	548700	4174860		HWY 500							
5480204174520	548020	4174520	8.158738	8.158738	2.433266	2.433266	FALSE	3.34428079	8.158738	FALSE	783.89	280	0.03228	0.0000406	548480	4175040	5484804175040	548740	4175600	5487404175600	548720	4174860	APEZ	HWY 500							
5480404174520	548040	4174520	8.154462	8.154462	2.341356	2.341356	FALSE	3.21795969	8.154462	FALSE	779.17	280	0.03228	0.0000406	548520	4175040	5485204175040	548760	4175600	5487604175600	548740	4174860	APEZ	HWY 500							
5480604174520	548060	4174520	8.153365	8.153365	2.31527	2.31527	FALSE	3.18210709	8.153365	FALSE	774.95	280	0.03228	0.0000406	548540	4175040	5485404175040	548780	4175600	5487804175600	548760	4174860	APEZ	HWY 500							
5480804174520	548080	4174520	8.145155	8.145155	2.164132	2.164132	FALSE	2.97438302	8.145155	FALSE	771.22	280	0.03228	0.0000406	548560	4175040	5485604175040	548920	4175600	5489204175600	548780	4174860	APEZ	HWY 500							
5481004174520	548100	4174520	8.153718	8.153718	2.343344	2.343344	FALSE	3.22069199	8.153718	FALSE	767.99	280	0.03228	0.0000406	548580	4175040	5485804175040	548940	4175600	5489404175600	548800	4174860	APEZ								
5481204174520	548120	4174520	8.139577	8.139577	2.086935	2.086935	FALSE	2.86828346	8.139577	FALSE	765.27	280	0.03228	0.0000406	548620	4175040	5486204175040	548960	4175600	5489604175600	548820	4174860	APEZ								
5481404174520	548140	4174520	8.137998	8.137998	2.099397	2.099397	FALSE	2.88541124	8.137998	FALSE	763.07	280	0.03228	0.0000406	548640	4175040	5486404175040	548980	4175600	5489804175600	548840	4174860	APEZ								
5481604174520	548160	4174520	8.142682	8.142682	2.249904	2.249904	FALSE	3.09226806	8.142682	FALSE	761.39	280	0.03228	0.0000406	548660	4175040	5486604175040	549000	4175600	5490004175600	548460	4174880	APEZ								
5481804174520	548180	4174520	8.153133	8.153133	2.603622	2.603622	FALSE	3.57841808	8.153133	FALSE	760.23	280	0.03228	0.0000406	548680	4175040	5486804175040	549020	4175600	5490204175600	548480	4174880	APEZ	HWY 500							
5482004174520	548200	4174520	8.161773	8.161773	2.90172	2.90172	FALSE	3.98812397	8.161773	FALSE	759.59	280	0.03228	0.0000406	548700	4175040	5487004175040	549040	4175600	5490404175600	548500	4174880	APEZ	HWY 500							
5482204174520	548220	4174520	8.168129	8.168129	3.211803	3.211803	FALSE	4.41430204	8.168129	FALSE	759.48	280	0.03228	0.0000406	548720	4175040	5487204175040	548660	4175620	5486604175620	548520	4174880		HWY 500							
5482404174520	548240	4174520	8.181715	8.181715	3.692119	3.692119	FALSE	5.07444835	8.181715	FALSE	759.90	280	0.03228	0.0000406	548740	4175040	5487404175040	548680	4175620	5486804175620	548540	4174880	APEZ	HWY 500							
5482604174520	548260	4174520	8.198219	8.198219	4.251796	4.251796	FALSE	5.84366842	8.198219	FALSE	760.84	280	0.03228	0.0000406	548760	4175040	5487604175040	548700	4175620	5487004175620	548560	4174880	APEZ	HWY 500							
5482804174520	548280	4174520	8.217616	8.217616	4.904775	4.904775	FALSE	6.74112276	8.217616	FALSE	762.31	280	0.03228	0.0000406	548780	4175040	5487804175040	548720	4175620	5487204175620	548580	4174880		HWY 500							
5483004174520	548300	4174520	8.240117	8.240117	5.64262	5.64262	FALSE	7.75521693	8.240117	FALSE	764.29	280	0.03228	0.0000406	548480	4175060	5484804175060	548740	4175620	5487404175620	548600	4174880		HWY 500							
5483204174520	548320	4174520	8.26748	8.26748	6.533294	6.533294	FALSE	8.97935927	8.26748	FALSE	766.80	280	0.03228	0.0000406	548500	4175060	5485004175060	548760	4175620	5487604175620	548620	4174880	APEZ	HWY 500	I-280						
5483404174520	548340	4174520	8.298695	8.298695	7.555107	7.555107	FALSE	10.3837391	8.298695	FALSE	769.81	280	0.03228	0.0000406	548540	4175060	5485404175060	548780	4175620	5487804175620	548640	4174880	APEZ	HWY 500	I-280						
5483604174520	548360	4174520	8.315884	8.315884	8.421994	8.421994	FALSE	11.5751886	8.315884	FALSE	773.33	280	0.03228	0.0000406	548620	4175060	5486204175060	548800	4175620	5488004175620	548660	4174880	APEZ	HWY 500							
5483804174520	548380	4174520	8.369936	8.369936	10.76149	10.76149	FALSE	14.7905905	8.369936	FALSE	777.35	280	0.03228	0.0000406	548640	4175060	5486404175060	548920	4175620	5489204175620	548680	4174880	APEZ	HWY 500							
5484004174520	548400	4174520	8.417474	8.417474	12.57	12.57	TRUE	17.2762039	8.417474	TRUE	781.86	280	0.03228	0.0000406	548660	4175060	5486604175060	548940	4175620	5489404175620	548700	4174880		HWY 500							
5484204174520	548420	4174520	8.466106	8.466106	13.54367	13.54367	TRUE	18.6144214	8.466106	TRUE	786.86	280	0.03228	0.0000406	548680	4175060	5486804175060	548960	4175620	5489604175620	548720	4174880		HWY 500							
5484404174520	548440	4174520	8.511956	8.511956	14.57022	14.57022	TRUE	20.0253145	8.511956	TRUE	792.32	280	0.03228	0.0000406	548700	4175060	5487004175060	548980	4175620	5489804175620	548740	4174880	APEZ	HWY 500							
5484604174520	548460	4174520	8.551952	8.551952	15.51588	15.51588	TRUE	21.3250186	8.551952	TRUE	798.26	280	0.03228	0.0000406	548720	4175060	5487204175060	549000	4175620	5490004175620	548760	4174880	APEZ	HWY 500							
5484804174520	548480	4174520	8.648836	8.648836	18.14412	18.14412	FALSE	24.9372785	8.648836	FALSE	804.64	280	0.03228	0.0000406	548740	4175060	5487404175060	549020	4175620	5490204175620	548780	4174880	APEZ	HWY 500							
5485004174520	548500	4174520	8.704948	8.704948	19.17768	19.17768	TRUE	26.3578048	8.704948	TRUE	811.47	280	0.03228	0.0000406	548760	4175060	5487604175060	549040	4175620	5490404175620	548800	4174880	APEZ								
5485204174520	548520	4174520	8.908801	8.908801	24.19382	24.19382	TRUE	33.2519835	8.908801	TRUE	818.73	280	0.03228	0.0000406	548780	4175060	5487804175060	549060	4175620	5490604175620	548820	4174880	APEZ								
5485404174520	548540	4174520	9.443437	9.443437	37.91447	37.91447	TRUE	52.1096434	9.443437	TRUE	826.40	280	0.03228	0.0000406	548800	4175060	5488004175060	548680	4175640	5486804175640	548840	4174880	APEZ								
5485604174520	548560	4174520	9.556448	9.556448	40.44983	40.44983	FALSE	55.5942518	9.556448	FALSE	834.49	280	0.03228	0.0000406	548460	4175080	5484604175080	548700	4175640	5487004175640	548460	4174900	APEZ								
5485804174520	548580	4174520	10.60675	10.60675	66.57257	66.57257	FALSE	91.4973457	10.60675	FALSE	842.98	280	0.03228	0.0000406	548480	4175080	5484804175080	548720	4175640	5487204175640	548480	4174900	APEZ	HWY 500							
5486004174520	548600	4174520	9.968924	9.968924	50.81395	50.81395	TRUE	69.8386943	9.968924	TRUE	851.85	280	0.03228	0.0000406	548500	4175080	5485004175080	548740	4175640	5487404175640	548500	4174900	APEZ	HWY 500							
5486204174520	548620	4174520	9.344158	9.344158	36.15668	36.15668	TRUE	49.6937424	9.344158	TRUE	861.09	280	0.03228	0.0000406	548580	4175080	5485804175080	548760	4175640	5487604175640	548520	4174900	APEZ	HWY 500							
5486404174520	548640	4174520	9.083242	9.083242	30.30605	30.30605	TRUE	41.6526324	9.083242	TRUE	870.70	280	0.03228	0.0000406	548600	4175080	5486004175080	548780	4175640	5487804175640	548540	4174900		HWY 500							
5486604174520	548660	4174520	8.943423	8.943423	27.48217	27.48217	TRUE	37.7714944	8.943423	TRUE	880.65	280	0.03228	0.0000406	548640	4175080	5486404175080	548800	4175640	5488004175640	548560	4174900		HWY 500							
5486804174520	548680	4174520	8.859101	8.859101	26.53507	26.53507	TRUE	36.4697961	8.859101	TRUE	890.94	280	0.03228	0.0000406	548660	4175080	5486604175080	548940	4175640	5489404175640	548580	4174900	APEZ	HWY 500							
5487004174520	548700	4174520	8.830314	8.830314	28.66105	28.66105	FALSE	39.3917402	8.830314	FALSE	901.56	280	0.03228	0.0000406	548680	4175080	5486804175080	548960	4175640	5489604175640	548600	4174900	APEZ	HWY 500							
5474004174540	547400	4174540	8.118731	8.118731	1.58871	1.58871	FALSE	2.18352302	8.118731	FALSE	1099.85	280	0.03228	0.0000406	548700	4175080	5487004175080	548980	4175640	5489804175640	548620	4174900	APEZ	HWY 500	I-280						
5474204174540	547420	4174540	8.121152	8.121152	1.65151	1.65151	FALSE	2.26983534	8.121152	FALSE	1085.13	280	0.03228	0.0000406	548720	4175080	5487204175080	549000	4175640	5490004175640	548640	4174900	APEZ	HWY 500	I-280						
5474404174540	547440	4174540	8.123539	8.123539	1.714764	1.714764	FALSE	2.35677164	8.123539	FALSE	1070.58	280	0.03228	0.0000406	548740	4175080	5487404175080	549020	4175640	5490204175640	548660	4174900	APEZ	HWY 500							
5474604174540	547460	4174540	8.129053	8.129053	1.853808	1.853808	FALSE	2.54787372	8.129053	FALSE	1056.20	280	0.03228	0.0000406	548760	4175080	5487604175080	549040	4175640	5490404175640	548680	4174900	APEZ	HWY 500							
5474804174540	547480	4174540	8.133689	8.133689	1.979279	1.979279	FALSE	2.72032106	8.133689	FALSE	1042.02	280	0.03228	0.0000406	548780	4175080	5487804175080	549060	4175640	5490604175640	548700	4174900	APEZ	HWY 500							
5475004174540	547500	4174540	8.137716	8.137716	2.068	2.068	FALSE	2.8422592	8.137716	FALSE	1028.02	280	0.03228	0.0000406	548800	4175080	5488004175080	549080	4175640	5490804175640	548720	4174900		HWY 500							
5475204174540	547520	4174540	8.13902	8.13902	2.091906	2.091906	FALSE	2.87511561	8.13902	FALSE	1014.23	280	0.03228	0.0000406	548820	4175080	5488204175080	548780	4175660	5487804175660	548740	4174900	APEZ	HWY 500							
5475404174540	547540	4174540	8.143311	8.143311	2.213094	2.213094	FALSE	3.04167639	8.143311	FALSE	1000.65	280	0.03228	0.0000406	548540	4175100	5485404175100	549040	4175660	5490404175660	548760	4174900	APEZ	HWY 500							
5475604174540	547560	4174540	8.14979	8.14979	2.394389	2.394389	FALSE	3.29084824	8.14979	FALSE	987.29	280	0.03228	0.0000406	548560	4175100	5485604175100	548940	4175680	5489404175680	548780	4174900	APEZ	HWY 500							

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5480804174560	548080	4174560	8.129262	8.129262	1.824041	1.824041	FALSE	2.50696195	8.129262	FALSE	731.86	280	0.03228	0.0000406	548720	4175200	5487204175200				548500	4175020		HWY 500					
5481004174560	548100	4174560	8.136326	8.136326	1.978505	1.978505	FALSE	2.71925727	8.136326	FALSE	728.46	280	0.03228	0.0000406	548740	4175200	5487404175200				548520	4175020	APEZ	HWY 500					
5481204174560	548120	4174560	8.142781	8.142781	2.124332	2.124332	FALSE	2.9196819	8.142781	FALSE	725.60	280	0.03228	0.0000406	548760	4175200	5487604175200				548540	4175020	APEZ	HWY 500					
5481404174560	548140	4174560	8.145865	8.145865	2.235371	2.235371	FALSE	3.0722939	8.145865	FALSE	723.27	280	0.03228	0.0000406	548780	4175200	5487804175200				548560	4175020	APEZ	HWY 500					
5481604174560	548160	4174560	8.146314	8.146314	2.325154	2.325154	FALSE	3.19569166	8.146314	FALSE	721.50	280	0.03228	0.0000406	548800	4175200	5488004175200				548580	4175020	APEZ	HWY 500					
5481804174560	548180	4174560	8.147273	8.147273	2.497885	2.497885	FALSE	3.43309314	8.147273	FALSE	720.27	280	0.03228	0.0000406	548820	4175200	5488204175200				548600	4175020		HWY 500					
5482004174560	548200	4174560	8.158507	8.158507	2.836905	2.836905	FALSE	3.89904223	8.158507	FALSE	719.60	280	0.03228	0.0000406	548840	4175200	5488404175200				548620	4175020	APEZ	HWY 500	I-280				
5482204174560	548220	4174560	8.177481	8.177481	3.365573	3.365573	FALSE	4.62564353	8.177481	FALSE	719.48	280	0.03228	0.0000406	548860	4175200	5488604175200				548640	4175020	APEZ	HWY 500	I-280				
5482404174560	548240	4174560	8.184068	8.184068	3.68102	3.68102	FALSE	5.05919389	8.184068	FALSE	719.92	280	0.03228	0.0000406	548880	4175200	5488804175200				548660	4175020	APEZ	HWY 500					
5482604174560	548260	4174560	8.197787	8.197787	4.148855	4.148855	FALSE	5.70218631	8.197787	FALSE	720.92	280	0.03228	0.0000406	548900	4175200	5489004175200				548680	4175020	APEZ	HWY 500					
5482804174560	548280	4174560	8.217678	8.217678	4.771662	4.771662	FALSE	6.55817225	8.217678	FALSE	722.46	280	0.03228	0.0000406	548580	4175240	5485804175240				548700	4175020	APEZ	HWY 500					
5483004174560	548300	4174560	8.23553	8.23553	5.443548	5.443548	FALSE	7.48161237	8.23553	FALSE	724.56	280	0.03228	0.0000406	548600	4175240	5486004175240				548720	4175020	APEZ	HWY 500					
5483204174560	548320	4174560	8.266923	8.266923	6.361185	6.361185	FALSE	8.74281266	8.266923	FALSE	727.20	280	0.03228	0.0000406	548620	4175240	5486204175240				548740	4175020	APEZ	HWY 500					
5483404174560	548340	4174560	8.275265	8.275265	6.737124	6.737124	FALSE	9.25950323	8.275265	FALSE	730.38	280	0.03228	0.0000406	548640	4175240	5486404175240				548760	4175020	APEZ	HWY 500					
5483604174560	548360	4174560	8.287743	8.287743	7.225028	7.225028	FALSE	9.93007848	8.287743	FALSE	734.09	280	0.03228	0.0000406	548660	4175240	5486604175240				548780	4175020	APEZ	HWY 500					
5483804174560	548380	4174560	8.307362	8.307362	7.916552	7.916552	FALSE	10.8805091	8.307362	FALSE	738.32	280	0.03228	0.0000406	548680	4175240	5486804175240				548800	4175020		HWY 500					
5484004174560	548400	4174560	8.3363	8.3363	8.887382	8.887382	FALSE	12.2148178	8.3363	FALSE	743.07	280	0.03228	0.0000406	548700	4175240	5487004175240				548480	4175040	APEZ	HWY 500					
5484204174560	548420	4174560	8.371496	8.371496	9.970453	9.970453	TRUE	13.7033906	8.371496	TRUE	748.32	280	0.03228	0.0000406	548720	4175240	5487204175240				548500	4175040		HWY 500					
5484404174560	548440	4174560	8.410354	8.410354	11.10124	11.10124	TRUE	15.2575484	8.410354	TRUE	754.07	280	0.03228	0.0000406	548740	4175240	5487404175240				548520	4175040	APEZ	HWY 500					
5484604174560	548460	4174560	8.455557	8.455557	12.36332	12.36332	TRUE	16.9921525	8.455557	TRUE	760.30	280	0.03228	0.0000406	548600	4175260	5486004175260				548540	4175040	APEZ	HWY 500					
5484804174560	548480	4174560	8.520281	8.520281	14.18244	14.18244	TRUE	19.4923428	8.520281	TRUE	767.00	280	0.03228	0.0000406	548620	4175260	5486204175260				548560	4175040	APEZ	HWY 500					
5485004174560	548500	4174560	8.65593	8.65593	18.06312	18.06312	FALSE	24.8259535	8.65593	FALSE	774.16	280	0.03228	0.0000406	548640	4175260	5486404175260				548580	4175040	APEZ	HWY 500					
5485204174560	548520	4174560	8.765876	8.765876	20.69088	20.69088	TRUE	28.43754	8.765876	TRUE	781.76	280	0.03228	0.0000406	548660	4175260	5486604175260				548600	4175040		HWY 500					
5485404174560	548540	4174560	8.903771	8.903771	24.08018	24.08018	TRUE	33.0957994	8.903771	TRUE	789.80	280	0.03228	0.0000406	548680	4175260	5486804175260				548620	4175040	APEZ	HWY 500	I-280				
5485604174560	548560	4174560	9.472314	9.472314	38.60241	38.60241	TRUE	53.0551564	9.472314	TRUE	798.26	280	0.03228	0.0000406	548700	4175260	5487004175260				548640	4175040	APEZ	HWY 500	I-280				
5485804174560	548580	4174560	10.31836	10.31836	60.05756	60.05756	FALSE	82.5431132	10.318356	FALSE	807.13	280	0.03228	0.0000406	548720	4175260	5487204175260				548660	4175040	APEZ	HWY 500	I-280				
5486004174560	548600	4174560	9.743773	9.743773	45.76042	45.76042	FALSE	62.8931185	9.743773	FALSE	816.39	280	0.03228	0.0000406	548740	4175260	5487404175260				548680	4175040	APEZ	HWY 500					
5486204174560	548620	4174560	9.756983	9.756983	46.20368	46.20368	TRUE	63.5023378	9.756983	TRUE	826.03	280	0.03228	0.0000406	548620	4175280	5486204175280				548700	4175040	APEZ	HWY 500					
5486404174560	548640	4174560	9.263253	9.263253	34.73058	34.73058	TRUE	47.7337064	9.263253	TRUE	836.03	280	0.03228	0.0000406	548640	4175280	5486404175280				548720	4175040	APEZ	HWY 500					
5486604174560	548660	4174560	9.049271	9.049271	30.03771	30.03771	FALSE	41.2838218	9.049271	FALSE	846.40	280	0.03228	0.0000406	548660	4175280	5486604175280				548740	4175040	APEZ	HWY 500					
5486804174560	548680	4174560	8.925001	8.925001	27.64752	27.64752	TRUE	37.9987556	8.925001	TRUE	857.10	280	0.03228	0.0000406	548680	4175280	5486804175280				548760	4175040	APEZ	HWY 500					
5487004174560	548700	4174560	8.850521	8.850521	26.87371	26.87371	TRUE	36.9352202	8.850521	TRUE	868.13	280	0.03228	0.0000406	548700	4175280	5487004175280				548780	4175040	APEZ	HWY 500					
5487204174560	548720	4174560	8.814081	8.814081	27.99055	27.99055	TRUE	38.470205	8.814081	TRUE	879.48	280	0.03228	0.0000406	548720	4175280	5487204175280				548800	4175040		HWY 500					
5487404174560	548740	4174560	8.773459	8.773459	27.69218	27.69218	FALSE	38.0601349	8.773459	FALSE	891.13	280	0.03228	0.0000406	548740	4175280	5487404175280				548480	4175060	APEZ	HWY 500					
5487604174560	548760	4174560	8.723496	8.723496	25.88896	25.88896	TRUE	35.5817811	8.723496	TRUE	903.08	280	0.03228	0.0000406	548640	4175300	5486404175300				548500	4175060	APEZ	HWY 500					
5473404174580	547340	4174580	8.108398	8.108398	1.306974	1.306974	FALSE	1.79630507	8.108398	FALSE	1119.56	280	0.03228	0.0000406	548660	4175300	5486604175300				548520	4175060		HWY 500					
5473604174580	547360	4174580	8.107514	8.107514	1.287823	1.287823	FALSE	1.76998393	8.107514	FALSE	1104.01	280	0.03228	0.0000406	548680	4175300	5486804175300				548540	4175060	APEZ	HWY 500					
5473804174580	547380	4174580	8.108667	8.108667	1.319964	1.319964	FALSE	1.81415852	8.108667	FALSE	1088.61	280	0.03228	0.0000406	548700	4175300	5487004175300				548560	4175060		HWY 500					
5474004174580	547400	4174580	8.109768	8.109768	1.351431	1.351431	FALSE	1.85740677	8.109768	FALSE	1073.36	280	0.03228	0.0000406	548720	4175300	5487204175300				548580	4175060		HWY 500					
5474204174580	547420	4174580	8.111893	8.111893	1.410561	1.410561	FALSE	1.93867504	8.111893	FALSE	1058.27	280	0.03228	0.0000406	548740	4175300	5487404175300				548600	4175060		HWY 500					
5474404174580	547440	4174580	8.115303	8.115303	1.503383	1.503383	FALSE	2.0662496	8.115303	FALSE	1043.35	280	0.03228	0.0000406	548640	4175320	5486404175320				548620	4175060	APEZ	HWY 500	I-280				
5474604174580	547460	4174580	8.120713	8.120713	1.638246	1.638246	FALSE	2.2516053	8.120713	FALSE	1028.60	280	0.03228	0.0000406	548660	4175320	5486604175320				548640	4175060	APEZ	HWY 500	I-280				
5474804174580	547480	4174580	8.124391	8.124391	1.733646	1.733646	FALSE	2.38272306	8.124391	FALSE	1014.02	280	0.03228	0.0000406	548680	4175320	5486804175320				548660	4175060	APEZ	HWY 500	I-280				
5475004174580	547500	4174580	8.125526	8.125526	1.73923	1.73923	FALSE	2.39039771	8.125526	FALSE	999.64	280	0.03228	0.0000406	548700	4175320	5487004175320				548680	4175060	APEZ	HWY 500					
5475204174580	547520	4174580	8.126459	8.126459	1.748604	1.748604	FALSE	2.40328134	8.126459	FALSE	985.45	280	0.03228	0.0000406	548720	4175320	5487204175320				548700	4175060	APEZ	HWY 500					
5475404174580	547540	4174580	8.128937	8.128937	1.816688	1.816688	FALSE	2.49685599	8.128937	FALSE	971.47	280	0.03228	0.0000406	548740	4175320	5487404175320				548720	4175060	APEZ	HWY 500					
5475604174580	547560	4174580	8.13188	8.13188	1.895564	1.895564	FALSE	2.60526316	8.13188	FALSE	957.69	280	0.03228	0.0000406	548640	4175340	5486404175340				548740	4175060	APEZ	HWY 500					
5475804174580	547580	4174580	8.131833	8.131833	1.853939	1.853939	FALSE	2.54805376	8.131833	FALSE	944.15	280	0.03228	0.0000406	548660	4175340	5486604175340				548760	4175060	APEZ	HWY 500					
5476004174580	547600	4174580	8.134543	8.134543	1.919648	1.919648	FALSE	2.63836421	8.134543	FALSE	930.83	280	0.03228	0.0000406	548680	4175340	5486804175340				548780	4175060	APEZ	HWY 500					
5476204174580	547620	4174580	8.136469	8.136469	1.963886	1.963886	FALSE	2.69916492	8.136469	FALSE	917.76	280	0.03228	0.0000406	548700	4175340	5487004175340				548800	4175060	APEZ	HWY 500					
5476404174580	547640	4174580	8.137107	8.137107	1.960754	1.960754	FALSE	2.6948603	8.137107	FALSE	904.94	280	0.03228	0.0000406	548720	4175340	5487204175340				548460	4175080	APEZ						
5476604174580	547660	4174580	8.143219	8.143219	2.067024	2.067024	FALSE	2.84091779	8.143219	FALSE	892.38	280	0.03228	0.0000406	548740	4175340	5487404175340				548480	4175080	APEZ	HWY 500					
5476804174580	547680	4174580	8.155519	8.155519	2.313259	2.313259	FALSE	3.17934317	8.155519	FALSE	880.10	280	0.03228	0.0000406	548660	4175360	5486604175360				548500	4175080	APEZ	HWY 500					
5477004174580	547700	4174580	8.140949	8.140949	2.047	2.047	FALSE	2.8133968	8.140949	FALSE	868.11	280	0.03228	0.0000406	548680	4175360	5486804175360				548520	4175080		HWY 500					
5477204174580	547720	4174580	8.140425	8.140425	2.081147	2.081147	FALSE	2.86032844	8.140425	FALSE	856.41	280	0.03228	0.0000406	548700	4175360	5487004175360				548540	4175080		HWY 500					
5477404174580	547740	4174580	8.141001	8.141001	2.118432	2.118432	FALSE	2.91157294	8.141001	FALSE	845.03	280	0.03228	0.0000406	548720	4175360	5487204175360				548560	4175080		HWY 500					
5477604174580	547760	4174580	8.143315	8.143315	2.194134	2.194134	FALSE	3.01561777	8.143315	FALSE	833.97	280	0.03228	0.0000406	548740	4175360	5487404175360				548580	4175080	APEZ	HWY 500					
5477804174580	547780	4174580	8.14545	8.14545	2.260961	2.260961	FALSE	3.1074648	8.14545	FALSE	823.25	280	0.03228	0.0000406	548760	4175360	5487604175360				548600	4175080	APEZ	HWY 500					
5478004174580	547800	4174580	8.147023	8.147023	2.304987	2.304987	FALSE	3.16797413	8.147023	FALSE	812.88	280	0.03228	0.0000406	548660	4175380	5486604175380				548620	4175080		HWY 500	I-280				
5478204174580	547820	4174580	8.147654	8.147654	2.312593	2.312593	FALSE	3.17842782	8.147654	FALSE	802.88	280	0.03228	0.0000406	548680	4175380	5486804175380				548640	4175080	APEZ	HWY 500	I-280				
5478404174580	547840	4174580	8.152423	8.152423	2.432942	2.432942	FALSE	3.34383548	8.152423	FALSE	793.25	280	0.03228	0.0000406	548700	4175380	5487004175380				548660	4175080	APEZ	HWY 500	I-280				
5478604174580	547860	4174580	8.156806	8.156806	2.534516	2.534516	FALSE	3.48343879	8.156806	FALSE	784.01	280	0.03228	0.0000406	548720	4175380	5487204175380				548680	4175080	APEZ	HWY 500					
5478804174580	547880	4174580	8.158064	8.158064	2.527144	2.527144	FALSE	3.47330671	8.158064	FALSE	775.18	280	0.03228	0.0000406	548740	4175380	5487404175380				548700	4175080	APEZ	HWY 500					
5479004174580	547900	4174580	8.164561	8.164561	2.62158	2.62158	FALSE	3.60309955	8.164561	FALSE	766.78	280	0.03228	0.0000406	548760	4175380	5487604175380				548720	4175080	APEZ	HWY 500					
5479204174580	547920	4174580	8.190126	8.190126	3.104422	3.104422	FALSE	4.2667176	8.190126	FALSE	758.80	280	0.03228	0.0000406	548680	4175400	5486804175400				548740	4175080	APEZ	HWY 500					
5479404174580	547940	4174580	8.169456	8.169456	2.678848	2.678848	FALSE	3.68180869	8.169456	FALSE	751.27	280	0.03228	0.0000406	548700	4175400	5487004175400				548760	4175080	APEZ	HWY 500					
5479604174580	547960	4174580	8.172099	8.172099	2.720985	2.720985	FALSE	3.73972178	8.172099	FALSE	744.21	280	0.03228	0.0000406	548720	4175400	5487204175400				548780	4175080	APEZ	HWY 500					
5479804174580	547980	4174580	8.148979	8.148979	2.224072	2.224072	FALSE	3.05676456	8.148979	FALSE	737.62	280	0.03228	0.0000406	548740	4175400	5487404175400				548800	4175080	APEZ	HWY 500					
5480004174580	548000	4174580	8.13616	8.13616	1.952849	1.952849	FALSE	2.68399567	8.13616	FALSE	731.51	280	0.03228	0.0000406	548760	4175400	5487604175400				548820	4175080	APEZ						
5480204174580	548020	4174580	8.12945	8.12945	1.808476	1.808476	FALSE	2.48556941	8.12945	FALSE	725.91	280	0.03228	0.0000406	548780	4175400	5487804175400				548500	4175100		HWY 500					
5480404174580	548040	4174580	8.126897	8.126897	1.764693	1.764693	FALSE	2.42539406	8.126897	FALSE	720.82	280	0.03228	0.0000406	548680	4175420	5486804175420				548520	4175100		HWY 500					
5480604174580	548060	4174580	8.125306	8.125306	1.732747	1.732747	FALSE	2.38148748	8.125306	FALSE	716.25	280	0.03228	0.0000406	548700	4175420	5487004175420				548540	4175100	APEZ	HWY 500					
5480804174580	548080	4174580	8.126246	8.126246	1.762158	1.762158	FALSE	2.42190996	8.126246	FALSE	712.21	280	0.03228	0.0000406	548720	4175420	5487204175420				548560	4175100	APEZ	HWY 500					
5481004174580	548100	4174580	8.130205	8.130205	1.856489	1.856489	FALSE	2.55155848	8.130205	FALSE	708.72	280	0.03228	0.0000406	548740	4175420	5487404175420				548580	4175100	APEZ	HWY 500					
5481204174580	548120	4174580	8.143113	8.143113	2.135882	2.135882	FALSE	2.93555622	8.143113	FALSE	705.77	280	0.03228	0.0000406	548760	4175420	5487604175420				548600	4175100	APEZ	HWY 500					
5481404174580	548140	4174580	8.159441	8.159441	2.505804	2.505804	FALSE	3.44397702	8.159441	FALSE	703.38	280	0.03228	0.0000406	548780	4175420	5487804175420				548620	4175100		HWY 500					
5481604174580	548160	4174580	8.150513	8.150513	2.411819	2.411819	FALSE	3.31480403	8.150513	FALSE	701.55	280	0.03228	0.0000406	548700	4175440	5487004175440				548640	4175100	APEZ	HWY 500	I-280				
5481804174580	548180	4174580	8.14744	8.14744	2.499981	2.499981	FALSE	3.43597389	8.14744	FALSE	700.29	280	0.03228	0.0000406	548720	4175440	5487204175440				548660	4175100	APEZ	HWY 500	I-280				
5482004174580	548200	4174580	8.154262	8.154262	2.747815	2.747815	FALSE	3.77659694	8.154262	FALSE	699.60	280	0.03228	0.0000406	548740	4175440	5487404175440				548680	4175100	APEZ	HWY 500					
5482204174580	548220	4174580	8.174777	8.174777	3.30412	3.30412	FALSE	4.54118253	8.174777	FALSE	699.48	280	0.03228	0.0000406	548760	4175440	5487604175440				548700	4175100	APEZ	HWY 500					
5482404174580	548240	4174580	8.19356	8.19356	3.873194	3.873194	FALSE	5.32331783	8.19356	FALSE	699.94	280	0.03228	0.0000406	548780	4175440	5487804175440				548720	4175100	APEZ	HWY 500					
5482604174580	548260	4174580	8.208555	8.208555	4.384533	4.384533	FALSE	6.02610216	8.208555	FALSE	700.96	280	0.03228	0.0000406	548800	4175440	5488004175440				548740	4175100	APEZ	HWY 500					
5482804174580	548280	4174580	8.214182	8.214182	4.730526	4.730526	FALSE	6.50163493	8.214182	FALSE	702.55	280	0.03228	0.0000406	548700	4175460	5487004175460				548760	4175100	APEZ	HWY 500					
5483004174580	548300	4174580	8.239945	8.239945	5.519082	5.519082	FALSE	7.5854263	8.239945	FALSE	704.71	280	0.03228	0.0000406	548720	4175460	5487204175460				548780	4175100	APEZ	HWY 500					
5483204174580	548320	4174580	8.252558	8.252558	6.011293	6.011293	FALSE	8.2619211	8.252558	FALSE	707.42	280	0.03228	0.0000406	548740	4175460	5487404175460				548800	4175100	APEZ	HWY 500					
5483404174580	548340	4174580	8.259941	8.259941	6.299069	6.299069	FALSE	8.65744043	8.259941	FALSE	710.69	280	0.03228	0.0000406	548760	4175460	5487604175460				548820	4175100	APEZ						
5483604174580	548360	4174580	8.273799	8.273799	6.785455	6.785455	FALSE	9.32592935	8.273799	FALSE	714.50	280	0.03228	0.0000406	548780	4175460	5487804175460				548500	4175120	APEZ	HWY 500					
5483804174580	548380	4174580	8.292786	8.292786	7.42506	7.42506	FALSE	10.2050025	8.292786	FALSE	718.85	280	0.03228	0.0000406	548800	4175460	5488004175460				548520	4175120	APEZ	HWY 500					
5484004174580	548400	4174580	8.319872	8.319872	8.308714	8.308714	FALSE	11.4194965	8.319872	FALSE	723.72	280	0.03228	0.0000406	548720	4175480	5487204175480				548540	4175120	APEZ	HWY 500					
5484204174580	548420	4174580	8.346779	8.346779	9.138336	9.138336	FALSE	12.559729	8.346779	FALSE	729.12	280	0.03228	0.0000406	548740	4175480	5487404175480				548560	4175120	APEZ	HWY 500					
5484404174580	548440	4174580	8.37776	8.37776	10.05744	10.05744	TRUE	13.8229497	8.37776	TRUE	735.01	280	0.03228	0.0000406	548760	4175480	5487604175480				548580	4175120	APEZ	HWY 500					
5484604174580	548460	4174580	8.414964	8.414964	11.1273	11.1273	TRUE	15.2933597	8.414964	TRUE	741.40	280	0.03228	0.0000406	548780	4175480	5487804175480				548600	4175120	APEZ	HWY 500					
5484804174580	548480	4174580	8.455983	8.455983	12.28981	12.28981	TRUE	16.8911176	8.455983	TRUE	748.27	280	0.03228	0.0000406	548800	4175480	5488004175480				548620	4175120	APEZ	HWY 500					
5485004174580	548500	4174580	8.545571	8.545571	14.83977	14.83977	TRUE	20.3957758	8.545571	TRUE	755.61	280	0.03228	0.0000406	548740	4175500	5487404175500				548640	4175120		HWY 500	I-280				

5485204174580	548520	4174580	8.642175	8.642175	17.28997	17.28997	FALSE	23.7633403	8.642175	FALSE	763.40	280	0.03228	0.0000406	548760	4175500	5487604175500					548660	4175120	APEZ	HWY 500	I-280				
5485404174580	548540	4174580	8.781373	8.781373	21.02707	21.02707	FALSE	28.8996091	8.781373	FALSE	771.63	280	0.03228	0.0000406	548780	4175500	5487804175500					548680	4175120	APEZ	HWY 500					
5485604174580	548560	4174580	9.116789	9.116789	29.57407	29.57407	TRUE	40.6466046	9.116789	TRUE	780.28	280	0.03228	0.0000406	548800	4175500	5488004175500					548700	4175120	APEZ	HWY 500					
5485804174580	548580	4174580	9.602956	9.602956	41.89202	41.89202	FALSE	57.5763909	9.602956	FALSE	789.35	280	0.03228	0.0000406	548820	4175500	5488204175500					548720	4175120	APEZ	HWY 500					
5486004174580	548600	4174580	9.917437	9.917437	50.38584	50.38584	FALSE	69.2503026	9.917437	FALSE	798.82	280	0.03228	0.0000406	548840	4175500	5488404175500					548740	4175120	APEZ	HWY 500					
5486204174580	548620	4174580	10.04502	10.04502	53.28699	53.28699	TRUE	73.2376363	10.045017	TRUE	808.67	280	0.03228	0.0000406	548740	4175520	5487404175520					548760	4175120	APEZ	HWY 500					
5486404174580	548640	4174580	9.374244	9.374244	37.72611	37.72611	FALSE	51.8507711	9.374244	FALSE	818.89	280	0.03228	0.0000406	548760	4175520	5487604175520					548780	4175120	APEZ	HWY 500					
5486604174580	548660	4174580	9.108554	9.108554	32.0099	32.0099	TRUE	43.9944066	9.108554	TRUE	829.46	280	0.03228	0.0000406	548780	4175520	5487804175520					548800	4175120	APEZ	HWY 500					
5486804174580	548680	4174580	8.967093	8.967093	29.42859	29.42859	TRUE	40.44665	8.967093	TRUE	840.38	280	0.03228	0.0000406	548800	4175520	5488004175520					548820	4175120	APEZ						
5487004174580	548700	4174580	8.887416	8.887416	28.76346	28.76346	TRUE	39.5324939	8.887416	TRUE	851.63	280	0.03228	0.0000406	548820	4175520	5488204175520					548840	4175120	APEZ						
5487204174580	548720	4174580	8.855937	8.855937	30.58132	30.58132	TRUE	42.0309621	8.855937	TRUE	863.20	280	0.03228	0.0000406	548840	4175520	5488404175520					548480	4175140	APEZ						
5487404174580	548740	4174580	8.863252	8.863252	34.44649	34.44649	FALSE	47.34326	8.863252	FALSE	875.07	280	0.03228	0.0000406	548760	4175540	5487604175540					548500	4175140	APEZ	HWY 500					
5487604174580	548760	4174580	8.745131	8.745131	27.15239	27.15239	TRUE	37.3182421	8.745131	TRUE	887.23	280	0.03228	0.0000406	548780	4175540	5487804175540					548520	4175140	APEZ	HWY 500					
5487804174580	548780	4174580	8.702439	8.702439	25.6536	25.6536	TRUE	35.2583051	8.702439	TRUE	899.67	280	0.03228	0.0000406	548800	4175540	5488004175540					548540	4175140	APEZ	HWY 500					
5473204174600	547320	4174600	8.107861	8.107861	1.273387	1.273387	FALSE	1.75014309	8.107861	FALSE	1123.03	280	0.03228	0.0000406	548820	4175540	5488204175540					548560	4175140	APEZ	HWY 500					
5473404174600	547340	4174600	8.105889	8.105889	1.233268	1.233268	FALSE	1.69500354	8.105889	FALSE	1107.17	280	0.03228	0.0000406	548840	4175540	5488404175540					548580	4175140	APEZ	HWY 500					
5473604174600	547360	4174600	8.104791	8.104791	1.208653	1.208653	FALSE	1.66117268	8.104791	FALSE	1091.45	280	0.03228	0.0000406	548860	4175540	5488604175540					548600	4175140	APEZ	HWY 500					
5473804174600	547380	4174600	8.105597	8.105597	1.231347	1.231347	FALSE	1.69236332	8.105597	FALSE	1075.87	280	0.03228	0.0000406	548760	4175560	5487604175560					548620	4175140	APEZ	HWY 500					
5474004174600	547400	4174600	8.106429	8.106429	1.255662	1.255662	FALSE	1.72578185	8.106429	FALSE	1060.44	280	0.03228	0.0000406	548780	4175560	5487804175560					548640	4175140		HWY 500	I-280				
5474204174600	547420	4174600	8.107886	8.107886	1.296829	1.296829	FALSE	1.78236178	8.107886	FALSE	1045.16	280	0.03228	0.0000406	548800	4175560	5488004175560					548660	4175140	APEZ	HWY 500	I-280				
5474404174600	547440	4174600	8.110115	8.110115	1.358506	1.358506	FALSE	1.86713065	8.110115	FALSE	1030.05	280	0.03228	0.0000406	548820	4175560	5488204175560					548680	4175140	APEZ	HWY 500					
5474604174600	547460	4174600	8.114466	8.114466	1.464186	1.464186	FALSE	2.01237724	8.114466	FALSE	1015.10	280	0.03228	0.0000406	548840	4175560	5488404175560					548700	4175140	APEZ	HWY 500					
5474804174600	547480	4174600	8.118259	8.118259	1.558949	1.558949	FALSE	2.14261951	8.118259	FALSE	1000.33	280	0.03228	0.0000406	548860	4175560	5488604175560					548720	4175140	APEZ	HWY 500					
5475004174600	547500	4174600	8.120501	8.120501	1.594942	1.594942	FALSE	2.19208828	8.120501	FALSE	985.75	280	0.03228	0.0000406	548780	4175580	5487804175580					548740	4175140	APEZ	HWY 500					
5475204174600	547520	4174600	8.122024	8.122024	1.619503	1.619503	FALSE	2.22584492	8.122024	FALSE	971.36	280	0.03228	0.0000406	548800	4175580	5488004175580					548760	4175140	APEZ	HWY 500					
5475404174600	547540	4174600	8.124571	8.124571	1.688255	1.688255	FALSE	2.32033767	8.124571	FALSE	957.17	280	0.03228	0.0000406	548820	4175580	5488204175580					548780	4175140	APEZ	HWY 500					
5475604174600	547560	4174600	8.126889	8.126889	1.748324	1.748324	FALSE	2.40289651	8.126889	FALSE	943.19	280	0.03228	0.0000406	548840	4175580	5488404175580					548800	4175140	APEZ	HWY 500					
5475804174600	547580	4174600	8.126244	8.126244	1.689779	1.689779	FALSE	2.32243226	8.126244	FALSE	929.43	280	0.03228	0.0000406	548860	4175580	5488604175580					548820	4175140	APEZ						
5476004174600	547600	4174600	8.128014	8.128014	1.727153	1.727153	FALSE	2.37379908	8.128014	FALSE	915.90	280	0.03228	0.0000406	548880	4175580	5488804175580					548840	4175140	APEZ						
5476204174600	547620	4174600	8.129149	8.129149	1.746715	1.746715	FALSE	2.4006851	8.129149	FALSE	902.61	280	0.03228	0.0000406	548800	4175600	5488004175600					548860	4175140	APEZ						
5476404174600	547640	4174600	8.131383	8.131383	1.779806	1.779806	FALSE	2.44616537	8.131383	FALSE	889.57	280	0.03228	0.0000406	548820	4175600	5488204175600					548500	4175160	APEZ	HWY 500					
5476604174600	547660	4174600	8.141055	8.141055	1.964919	1.964919	FALSE	2.70058467	8.141055	FALSE	876.79	280	0.03228	0.0000406	548840	4175600	5488404175600					548520	4175160	APEZ	HWY 500					
5476804174600	547680	4174600	8.156765	8.156765	2.309513	2.309513	FALSE	3.17419467	8.156765	FALSE	864.29	280	0.03228	0.0000406	548860	4175600	5488604175600					548540	4175160	APEZ	HWY 500					
5477004174600	547700	4174600	8.139777	8.139777	1.986907	1.986907	FALSE	2.73080498	8.139777	FALSE	852.08	280	0.03228	0.0000406	548880	4175600	5488804175600					548560	4175160	APEZ	HWY 500					
5477204174600	547720	4174600	8.138269	8.138269	2.005613	2.005613	FALSE	2.75651451	8.138269	FALSE	840.16	280	0.03228	0.0000406	548900	4175600	5489004175600					548580	4175160	APEZ	HWY 500					
5477404174600	547740	4174600	8.138445	8.138445	2.037791	2.037791	FALSE	2.80073995	8.138445	FALSE	828.55	280	0.03228	0.0000406	548820	4175620	5488204175620					548600	4175160	APEZ	HWY 500					
5477604174600	547760	4174600	8.138673	8.138673	2.056808	2.056808	FALSE	2.82687692	8.138673	FALSE	817.27	280	0.03228	0.0000406	548840	4175620	5488404175620					548620	4175160	APEZ	HWY 500					
5477804174600	547780	4174600	8.139623	8.139623	2.091675	2.091675	FALSE	2.87479812	8.139623	FALSE	806.33	280	0.03228	0.0000406	548860	4175620	5488604175620					548640	4175160	APEZ	HWY 500	I-280				
5478004174600	547800	4174600	8.141018	8.141018	2.131673	2.131673	FALSE	2.92977137	8.141018	FALSE	795.74	280	0.03228	0.0000406	548880	4175620	5488804175620					548660	4175160		HWY 500	I-280				
5478204174600	547820	4174600	8.141655	8.141655	2.141375	2.141375	FALSE	2.9431058	8.141655	FALSE	785.51	280	0.03228	0.0000406	548900	4175620	5489004175620					548680	4175160	APEZ	HWY 500					
5478404174600	547840	4174600	8.146094	8.146094	2.254074	2.254074	FALSE	3.09799931	8.146094	FALSE	775.67	280	0.03228	0.0000406	548820	4175640	5488204175640					548700	4175160	APEZ	HWY 500					
5478604174600	547860	4174600	8.150278	8.150278	2.350057	2.350057	FALSE	3.22991834	8.150278	FALSE	766.22	280	0.03228	0.0000406	548840	4175640	5488404175640					548720	4175160	APEZ	HWY 500					
5478804174600	547880	4174600	8.152769	8.152769	2.377732	2.377732	FALSE	3.26795486	8.152769	FALSE	757.19	280	0.03228	0.0000406	548860	4175640	5488604175640					548740	4175160	APEZ	HWY 500					
5479004174600	547900	4174600	8.160954	8.160954	2.517239	2.517239	FALSE	3.45969328	8.160954	FALSE	748.58	280	0.03228	0.0000406	548880	4175640	5488804175640					548760	4175160	APEZ	HWY 500					
5479204174600	547920	4174600	8.186474	8.186474	3.008925	3.008925	FALSE	4.13546652	8.186474	FALSE	740.40	280	0.03228	0.0000406	548900	4175640	5489004175640					548780	4175160	APEZ	HWY 500					
5479404174600	547940	4174600	8.165059	8.165059	2.57321	2.57321	FALSE	3.53661982	8.165059	FALSE	732.69	280	0.03228	0.0000406	548920	4175640	5489204175640					548800	4175160	APEZ	HWY 500					
5479604174600	547960	4174600	8.168654	8.168654	2.637645	2.637645	FALSE	3.62517929	8.168654	FALSE	725.44	280	0.03228	0.0000406	548680	4175660	5486804175660					548820	4175160	APEZ						
5479804174600	547980	4174600	8.145746	8.145746	2.147138	2.147138	FALSE	2.95102647	8.145746	FALSE	718.68	280	0.03228	0.0000406	548700	4175660	5487004175660					548840	4175160	APEZ						
5480004174600	548000	4174600	8.132992	8.132992	1.876664	1.876664	FALSE	2.579287	8.132992	FALSE	712.41	280	0.03228	0.0000406	548720	4175660	5487204175660					548860	4175160	APEZ						
5480204174600	548020	4174600	8.12804	8.12804	1.778798	1.778798	FALSE	2.44477997	8.12804	FALSE	706.66	280	0.03228	0.0000406	548740	4175660	5487404175660					548500	4175180	APEZ	HWY 500					
5480404174600	548040	4174600	8.123765	8.123765	1.689709	1.689709	FALSE	2.32233605	8.123765	FALSE	701.43	280	0.03228	0.0000406	548760	4175660	5487604175660					548520	4175180	APEZ	HWY 500					
5480604174600	548060	4174600	8.123532	8.123532	1.692351	1.692351	FALSE	2.32596721	8.123532	FALSE	696.73	280	0.03228	0.0000406	548800	4175660	5488004175660					548540	4175180	APEZ	HWY 500					
5480804174600	548080	4174600	8.124539	8.124539	1.726246	1.726246	FALSE	2.3725525	8.124539	FALSE	692.58	280	0.03228	0.0000406	548820	4175660	5488204175660					548560	4175180	APEZ	HWY 500					
5481004174600	548100	4174600	8.1267	8.1267	1.783502	1.783502	FALSE	2.45124515	8.1267	FALSE	688.98	280	0.03228	0.0000406	548840	4175660	5488404175660					548580	4175180	APEZ	HWY 500					
5481204174600	548120	4174600	8.134182	8.134182	1.959332	1.959332	FALSE	2.6929059	8.134182	FALSE	685.95	280	0.03228	0.0000406	548860	4175660	5488604175660					548600	4175180	APEZ	HWY 500					
5481404174600	548140	4174600	8.156601	8.156601	2.446084	2.446084	FALSE	3.36189785	8.156601	FALSE	683.49	280	0.03228	0.0000406	548880	4175660	5488804175660					548620	4175180	APEZ	HWY 500					
5481604174580	548160	4174580	8.158373	8.158373	2.548507	2.548507	FALSE	3.50266802	8.158373	FALSE	681.61	280	0.03228	0.0000406	548900	4175660	5489004175660					548640	4175180	APEZ	HWY 500	I-280				
5481804174580	548180	4174600	8.147446	8.147446	2.478782	2.478782	FALSE	3.40683798	8.147446	FALSE	680.32	280	0.03228	0.0000406	548920	4175660	5489204175660					548660	4175180		HWY 500	I-280				
5482004174600	548200	4174600	8.151581	8.151581	2.673483	2.673483	FALSE	3.67443504	8.151581	FALSE	679.61	280	0.03228	0.0000406	548940	4175660	5489404175660					548680	4175180	APEZ	HWY 500					
5482204174600	548220	4174600	8.167056	8.167056	3.151532	3.151532	FALSE	4.33146558	8.167056	FALSE	679.48	280	0.03228	0.0000406	548960	4175660	5489604175660					548700	4175180	APEZ	HWY 500					
5482404174600	548240	4174600	8.19216	8.19216	3.852548	3.852548	FALSE	5.29494197	8.19216	FALSE	679.95	280	0.03228	0.0000406	548980	4175660	5489804175660					548720	4175180	APEZ	HWY 500					
5482604174600	548260	4174600	8.209398	8.209398	4.401256	4.401256	FALSE	6.04908625	8.209398	FALSE	681.00	280	0.03228	0.0000406	549000	4175660	5490004175660					548740	4175180	APEZ	HWY 500					
5482804174600	548280	4174600	8.214367	8.214367	4.699826	4.699826	FALSE	6.45944085	8.214367	FALSE	682.64	280	0.03228	0.0000406	549020	4175660	5490204175660					548760	4175180	APEZ	HWY 500					
5483004174600	548300	4174600	8.229324	8.229324	5.246913	5.246913	FALSE	7.21135723	8.229324	FALSE	684.86	280	0.03228	0.0000406	549060	4175660	5490604175660					548780	4175180	APEZ	HWY 500					
5483204174600	548320	4174600	8.242025	8.242025	5.707299	5.707299	FALSE	7.84411175	8.242025	FALSE	687.65	280	0.03228	0.0000406	549080	4175660	5490804175660					548800	4175180	APEZ	HWY 500					
5483404174600	548340	4174600	8.248435	8.248435	5.942253	5.942253	FALSE	8.16703252	8.248435	FALSE	691.01	280	0.03228	0.0000406	549100	4175660	5491004175660					548820	4175180	APEZ	HWY 500					
5483604174600	548360	4174600	8.261961	8.261961	6.402717	6.402717	FALSE	8.79989424	8.261961	FALSE	694.93	280	0.03228	0.0000406	549120	4175660	5491204175660					548840	4175180	APEZ						
5483804174600	548380	4174600	8.278053	8.278053	6.937364	6.937364	FALSE	9.53471308	8.278053	FALSE	699.40	280	0.03228	0.0000406	548700	4175680	5487004175680					548860	4175180	APEZ						
5484004174600	548400	4174600	8.298654	8.298654	7.603734	7.603734	FALSE	10.450572	8.298654	FALSE	704.41	280	0.03228	0.0000406	548720	4175680	5487204175680					548880	4175180	APEZ						
5484204174600	548420	4174600	8.320478	8.320478	8.29157	8.29157	FALSE	11.3959338	8.320478	FALSE	709.95	280	0.03228	0.0000406	548740	4175680	5487404175680					548500	4175200		HWY 500					
5484404174600	548440	4174600	8.346265	8.346265	9.071729	9.071729	FALSE	12.4681843	8.346265	FALSE	716.01	280	0.03228	0.0000406	548760	4175680	5487604175680					548520	4175200	APEZ	HWY 500					
5484604174600	548460	4174600	8.377802	8.377802	10.00053	10.00053	TRUE	13.7447326	8.377802	TRUE	722.56	280	0.03228	0.0000406	548780	4175680	5487804175680					548540	4175200	APEZ	HWY 500					
5484804174600	548480	4174600	8.406658	8.406658	10.83275	10.83275	TRUE	14.8885357	8.406658	TRUE	729.61	280	0.03228	0.0000406	548800	4175680	5488004175680					548560	4175200	APEZ	HWY 500					
5485004174600	548500	4174600	8.46833	8.46833	12.58296	12.58296	TRUE	17.2940161	8.46833	TRUE	737.13	280	0.03228	0.0000406	548820	4175680	5488204175680					548580	4175200	APEZ	HWY 500					
5485204174600	548520	4174600	8.598913	8.598913	16.29102	16.29102	FALSE	22.3903751	8.598913	FALSE	745.12	280	0.03228	0.0000406	548840	4175680	5488404175680					548600	4175200	APEZ	HWY 500					
5485404174600	548540	4174600	8.708482	8.708482	19.20307	19.20307	FALSE	26.3927049	8.708482	FALSE	753.55	280	0.03228	0.0000406	548860	4175680	5488604175680					548620	4175200	APEZ	HWY 500					
5485604174600	548560	4174600	8.988346	8.988346	26.36973	26.36973	FALSE	36.2425624	8.988346	FALSE	762.41	280	0.03228	0.0000406	548880	4175680	5488804175680					548640	4175200	APEZ	HWY 500	I-280				
5485804174600	548580	4174600	9.528422	9.528422	40.25529	40.25529	FALSE	55.3268692	9.528422	FALSE	771.68	280	0.03228	0.0000406	548900	4175680	5489004175680					548660	4175200		HWY 500	I-280				
5486004174600	548600	4174600	10.68479	10.68479	69.41554	69.41554	FALSE	95.4047237	10.684794	FALSE	781.36	280	0.03228	0.0000406	548920	4175680	5489204175680					548680	4175200	APEZ	HWY 500	I-280				
5486204174600	548620	4174600	10.11667	10.11667	55.75298	55.75298	TRUE	76.6268957	10.116673	TRUE	791.43	280	0.03228	0.0000406	548960	4175680	5489604175680					548700	4175200	APEZ	HWY 500					
5486404174600	548640	4174600	9.510435	9.510435	41.84386	41.84386	TRUE	57.5102026	9.510435	TRUE	801.87	280	0.03228	0.0000406	549000	4175680	5490004175680					548720	4175200	APEZ	HWY 500					
5486604174600	548660	4174600	9.1868	9.1868	35.34078	35.34078	TRUE	48.5723722	9.1868	TRUE	812.67	280	0.03228	0.0000406	549020	4175680	5490204175680					548740	4175200	APEZ	HWY 500					
5486804174600	548680	4174600	9.053481	9.053481	34.97007	34.97007	TRUE	48.0628573	9.053481	TRUE	823.81	280	0.03228	0.0000406	549060	4175680	5490604175680					548760	4175200	APEZ	HWY 500					
5487004174600	548700	4174600	8.915803	8.915803	29.78441	29.78441	FALSE	40.9356876	8.915803	FALSE	835.28	280	0.03228	0.0000406	549080	4175680	5490804175680					548780	4175200	APEZ	HWY 500					
5487204174600	548720	4174600	8.873412	8.873412	31.02983	31.02983	TRUE	42.6473942	8.873412	TRUE	847.07	280	0.03228	0.0000406	549100	4175680	5491004175680					548800	4175200	APEZ	HWY 500					
5487404174600	548740	4174600	8.799916	8.799916	28.43175	28.43175	TRUE	39.0766027	8.799916	TRUE	859.16	280	0.03228	0.0000406	549120	4175680	5491204175680					548820	4175200	APEZ	HWY 500					
5487604174600	548760	4174600	8.750154	8.750154	27.03462	27.03462	FALSE	37.1563762	8.750154	FALSE	871.55	280	0.03228	0.0000406	548700	4175700	5487004175700					548840	4175200	APEZ						
5487804174600	548780	4174600	8.7268	8.7268	27.28115	27.28115	FALSE	37.4952167	8.7268	FALSE	884.21	280	0.03228	0.0000406	548720	4175700	5487204175700					548860	4175200	APEZ						
5488004174600	548800	4174600	8.750511	8.750511	31.25902	31.25902	FALSE	42.9623943	8.750511	FALSE	897.14	280	0.03228	0.0000406	548740	4175700	5487404175700					548880	4175200	APEZ						
5473004174620	547300	4174620	8.111823	8.111823	1.359485	1.359485	FALSE	1.86847618	8.111823	FALSE	1127.20	280	0.03228	0.0000406	548760	4175700	5487604175700					548900	4175200	APEZ						
5473204174620	547320	4174620	8.105921	8.105921	1.218158	1.218158	FALSE	1.67423636	8.105921	FALSE	1111.05	280	0.03228	0.0000406	548780	4175700	5487804175700					548520	4175220		HWY 500					
5473404174620	547340	4174620	8.103649	8.103649	1.170656	1.170656	FALSE	1.60894961	8.103649	FALSE	1095.01	280	0.03228	0.0000406	548800	4175700	5488004175700					548540	4175220		HWY 500					
5473604174620	547360	4174620	8.103131	8.103131	1.162937	1.162937	FALSE	1.59834061	8.103131	FALSE	1079.11	280	0.03228	0.0000406	548820	4175700	5488204175700					548560	4175220		HWY 500					
5473804174620	547380	4174620	8.103552	8.103552	1.17508	1.17508	FALSE	1.61502995	8.103552	FALSE	1063.35	280	0.03228	0.0000406	548840	4175700	5488404175700					548580	4175220		HWY 500					

5474004174620	547400	4174620	8.103385	8.103385	1.170146	1.170146	FALSE	1.60824866	8.103385	FALSE	1047.74	280	0.03228	0.0000406	548860	4175700	5488604175700				548600	4175220		HWY 500					
5474204174620	547420	4174620	8.104214	8.104214	1.193892	1.193892	FALSE	1.64088516	8.104214	FALSE	1032.27	280	0.03228	0.0000406	548880	4175700	5488804175700				548620	4175220		HWY 500					
5474404174620	547440	4174620	8.105167	8.105167	1.220636	1.220636	FALSE	1.67764212	8.105167	FALSE	1016.97	280	0.03228	0.0000406	548900	4175700	5489004175700				548640	4175220		HWY 500					
5474604174620	547460	4174620	8.10792	8.10792	1.284616	1.284616	FALSE	1.76557623	8.10792	FALSE	1001.83	280	0.03228	0.0000406	548920	4175700	5489204175700				548660	4175220		HWY 500	I-280				
5474804174620	547480	4174620	8.111173	8.111173	1.36471	1.36471	FALSE	1.87565742	8.111173	FALSE	986.86	280	0.03228	0.0000406	548940	4175700	5489404175700				548680	4175220		HWY 500	I-280				
5475004174620	547500	4174620	8.114758	8.114758	1.434225	1.434225	FALSE	1.97119884	8.114758	FALSE	972.07	280	0.03228	0.0000406	548960	4175700	5489604175700				548700	4175220		HWY 500					
5475204174620	547520	4174620	8.118081	8.118081	1.507718	1.507718	FALSE	2.07220762	8.118081	FALSE	957.47	280	0.03228	0.0000406	548980	4175700	5489804175700				548720	4175220		HWY 500					
5475404174620	547540	4174620	8.121588	8.121588	1.602731	1.602731	FALSE	2.20279349	8.121588	FALSE	943.07	280	0.03228	0.0000406	549040	4175700	5490404175700				548740	4175220		HWY 500					
5475604174620	547560	4174620	8.123865	8.123865	1.661296	1.661296	FALSE	2.28328522	8.123865	FALSE	928.88	280	0.03228	0.0000406	549080	4175700	5490804175700				548760	4175220		HWY 500					
5475804174620	547580	4174620	8.122492	8.122492	1.582774	1.582774	FALSE	2.17536459	8.122492	FALSE	914.91	280	0.03228	0.0000406	549100	4175700	5491004175700				548780	4175220		HWY 500					
5476004174620	547600	4174620	8.123596	8.123596	1.600146	1.600146	FALSE	2.19924066	8.123596	FALSE	901.16	280	0.03228	0.0000406	549120	4175700	5491204175700				548800	4175220		HWY 500					
5476204174620	547620	4174620	8.124857	8.124857	1.619284	1.619284	FALSE	2.22554393	8.124857	FALSE	887.65	280	0.03228	0.0000406	548940	4175720	5489404175720				548820	4175220		HWY 500					
5476404174620	547640	4174620	8.129192	8.129192	1.704731	1.704731	FALSE	2.34298229	8.129192	FALSE	874.39	280	0.03228	0.0000406	548960	4175720	5489604175720				548520	4175240		HWY 500					
5476604174620	547660	4174620	8.14278	8.14278	1.976931	1.976931	FALSE	2.71709397	8.14278	FALSE	861.39	280	0.03228	0.0000406	548980	4175720	5489804175720				548540	4175240		HWY 500					
5476804174620	547680	4174620	8.160007	8.160007	2.334459	2.334459	FALSE	3.20848045	8.160007	FALSE	848.66	280	0.03228	0.0000406	549000	4175720	5490004175720				548560	4175240		HWY 500					
5477004174620	547700	4174620	8.142269	8.142269	2.025253	2.025253	FALSE	2.78350772	8.142269	FALSE	836.21	280	0.03228	0.0000406	549020	4175720	5490204175720				548580	4175240	APEZ	HWY 500					
5477204174620	547720	4174620	8.136945	8.136945	1.956234	1.956234	FALSE	2.68864801	8.136945	FALSE	824.07	280	0.03228	0.0000406	549040	4175720	5490404175720				548600	4175240	APEZ	HWY 500					
5477404174620	547740	4174620	8.137011	8.137011	1.992777	1.992777	FALSE	2.73887271	8.137011	FALSE	812.23	280	0.03228	0.0000406	549080	4175720	5490804175720				548620	4175240	APEZ	HWY 500					
5477604174620	547760	4174620	8.135183	8.135183	1.955392	1.955392	FALSE	2.68749076	8.135183	FALSE	800.72	280	0.03228	0.0000406	549100	4175720	5491004175720				548640	4175240	APEZ	HWY 500					
5477804174620	547780	4174620	8.135036	8.135036	1.960376	1.960376	FALSE	2.69434077	8.135036	FALSE	789.55	280	0.03228	0.0000406	549120	4175720	5491204175720				548660	4175240	APEZ	HWY 500	I-280				
5478004174620	547800	4174620	8.136252	8.136252	1.996349	1.996349	FALSE	2.74378207	8.136252	FALSE	778.73	280	0.03228	0.0000406	548740	4175740	5487404175740				548680	4175240	APEZ	HWY 500	I-280				
5478204174620	547820	4174620	8.138216	8.138216	2.046055	2.046055	FALSE	2.81209799	8.138216	FALSE	768.28	280	0.03228	0.0000406	548760	4175740	5487604175740				548700	4175240	APEZ	HWY 500					
5478404174620	547840	4174620	8.142857	8.142857	2.161415	2.161415	FALSE	2.97064878	8.142857	FALSE	758.21	280	0.03228	0.0000406	548780	4175740	5487804175740				548720	4175240	APEZ	HWY 500					
5478604174620	547860	4174620	8.147123	8.147123	2.259871	2.259871	FALSE	3.1059667	8.147123	FALSE	748.55	280	0.03228	0.0000406	548800	4175740	5488004175740				548740	4175240	APEZ	HWY 500					
5478804174620	547880	4174620	8.151217	8.151217	2.330611	2.330611	FALSE	3.20319176	8.151217	FALSE	739.29	280	0.03228	0.0000406	548820	4175740	5488204175740				548760	4175240		HWY 500					
5479004174620	547900	4174620	8.161033	8.161033	2.514749	2.514749	FALSE	3.45627103	8.161033	FALSE	730.47	280	0.03228	0.0000406	548840	4175740	5488404175740				548780	4175240		HWY 500					
5479204174620	547920	4174620	8.185906	8.185906	3.00508	3.00508	FALSE	4.13018195	8.185906	FALSE	722.09	280	0.03228	0.0000406	548860	4175740	5488604175740				548800	4175240		HWY 500					
5479404174620	547940	4174620	8.160561	8.160561	2.475368	2.475368	FALSE	3.40214578	8.160561	FALSE	714.18	280	0.03228	0.0000406	548880	4175740	5488804175740				548820	4175240		HWY 500					
5479604174620	547960	4174620	8.16473	8.16473	2.550959	2.550959	FALSE	3.50603805	8.16473	FALSE	706.74	280	0.03228	0.0000406	548900	4175740	5489004175740				548840	4175240		HWY 500					
5479804174620	547980	4174620	8.143172	8.143172	2.089694	2.089694	FALSE	2.87207543	8.143172	FALSE	699.80	280	0.03228	0.0000406	548920	4175740	5489204175740				548520	4175260		HWY 500					
5480004174620	548000	4174620	8.13123	8.13123	1.836624	1.836624	FALSE	2.52425603	8.13123	FALSE	693.36	280	0.03228	0.0000406	548940	4175740	5489404175740				548540	4175260		HWY 500					
5480204174620	548020	4174620	8.126531	8.126531	1.744021	1.744021	FALSE	2.39698246	8.126531	FALSE	687.45	280	0.03228	0.0000406	548960	4175740	5489604175740				548560	4175260		HWY 500					
5480404174620	548040	4174620	8.122417	8.122417	1.658816	1.658816	FALSE	2.27987671	8.122417	FALSE	682.07	280	0.03228	0.0000406	548980	4175740	5489804175740				548580	4175260		HWY 500					
5480604174620	548060	4174620	8.123484	8.123484	1.694766	1.694766	FALSE	2.32928639	8.123484	FALSE	677.24	280	0.03228	0.0000406	549000	4175740	5490004175740				548600	4175260	APEZ	HWY 500					
5480804174620	548080	4174620	8.124524	8.124524	1.731472	1.731472	FALSE	2.37973512	8.124524	FALSE	672.97	280	0.03228	0.0000406	549020	4175740	5490204175740				548620	4175260	APEZ	HWY 500					
5481004174620	548100	4174620	8.125289	8.125289	1.75769	1.75769	FALSE	2.41576914	8.125289	FALSE	669.27	280	0.03228	0.0000406	549040	4175740	5490404175740				548640	4175260	APEZ	HWY 500					
5481204174620	548120	4174620	8.129828	8.129828	1.872339	1.872339	FALSE	2.57334272	8.129828	FALSE	666.15	280	0.03228	0.0000406	549060	4175740	5490604175740				548660	4175260	APEZ	HWY 500	I-280				
5481404174620	548140	4174620	8.140006	8.140006	2.116921	2.116921	FALSE	2.90949622	8.140006	FALSE	663.62	280	0.03228	0.0000406	549100	4175740	5491004175740				548680	4175260	APEZ	HWY 500	I-280				
5481604174620	548160	4174620	8.15268	8.15268	2.420374	2.420374	FALSE	3.32656203	8.15268	FALSE	661.68	280	0.03228	0.0000406	549120	4175740	5491204175740				548700	4175260	APEZ	HWY 500					
5481804174620	548180	4174620	8.150002	8.150002	2.505339	2.505339	FALSE	3.44333792	8.150002	FALSE	660.34	280	0.03228	0.0000406	548740	4175760	5487404175760				548720	4175260	APEZ	HWY 500					
5482004174620	548200	4174620	8.150734	8.150734	2.637312	2.637312	FALSE	3.62472161	8.150734	FALSE	659.61	280	0.03228	0.0000406	548760	4175760	5487604175760				548740	4175260	APEZ	HWY 500					
5482204174620	548220	4174620	8.166995	8.166995	3.173831	3.173831	FALSE	4.36211333	8.166995	FALSE	659.48	280	0.03228	0.0000406	548780	4175760	5487804175760				548760	4175260		HWY 500					
5482404174620	548240	4174620	8.184169	8.184169	3.729665	3.729665	FALSE	5.12605158	8.184169	FALSE	659.96	280	0.03228	0.0000406	548800	4175760	5488004175760				548780	4175260		HWY 500					
5482604174620	548260	4174620	8.197507	8.197507	4.175201	4.175201	FALSE	5.73839625	8.197507	FALSE	661.05	280	0.03228	0.0000406	548820	4175760	5488204175760				548800	4175260		HWY 500					
5482804174620	548280	4174620	8.204979	8.204979	4.4557	4.4557	FALSE	6.12391408	8.204979	FALSE	662.74	280	0.03228	0.0000406	548840	4175760	5488404175760				548820	4175260		HWY 500					
5483004174620	548300	4174620	8.221222	8.221222	5.014892	5.014892	FALSE	6.89246756	8.221222	FALSE	665.02	280	0.03228	0.0000406	548860	4175760	5488604175760				548840	4175260		HWY 500					
5483204174620	548320	4174620	8.234061	8.234061	5.465764	5.465764	FALSE	7.51214604	8.234061	FALSE	667.90	280	0.03228	0.0000406	548880	4175760	5488804175760				548520	4175280		HWY 500					
5483404174620	548340	4174620	8.240621	8.240621	5.696483	5.696483	FALSE	7.82924624	8.240621	FALSE	671.36	280	0.03228	0.0000406	548900	4175760	5489004175760				548540	4175280		HWY 500					
5483604174620	548360	4174620	8.253705	8.253705	6.135608	6.135608	FALSE	8.43277964	8.253705	FALSE	675.39	280	0.03228	0.0000406	548920	4175760	5489204175760				548560	4175280		HWY 500					
5483804174620	548380	4174620	8.265384	8.265384	6.524992	6.524992	FALSE	8.967949	8.265384	FALSE	679.99	280	0.03228	0.0000406	548940	4175760	5489404175760				548580	4175280		HWY 500					
5484004174620	548400	4174620	8.27617	8.27617	6.876032	6.876032	FALSE	9.45041838	8.27617	FALSE	685.14	280	0.03228	0.0000406	548960	4175760	5489604175760				548600	4175280		HWY 500					
5484204174620	548420	4174620	8.295511	8.295511	7.491649	7.491649	FALSE	10.2965224	8.295511	FALSE	690.84	280	0.03228	0.0000406	548980	4175760	5489804175760				548620	4175280	APEZ	HWY 500					
5484404174620	548440	4174620	8.318151	8.318151	8.195831	8.195831	FALSE	11.2643501	8.318151	FALSE	697.06	280	0.03228	0.0000406	549000	4175760	5490004175760				548640	4175280	APEZ	HWY 500					
5484604174620	548460	4174620	8.345128	8.345128	9.008448	9.008448	TRUE	12.3812109	8.345128	TRUE	703.79	280	0.03228	0.0000406	549020	4175760	5490204175760				548660	4175280	APEZ	HWY 500	I-280				
5484804174620	548480	4174620	8.369141	8.369141	9.716102	9.716102	TRUE	13.3538106	8.369141	TRUE	711.02	280	0.03228	0.0000406	549040	4175760	5490404175760				548680	4175280	APEZ	HWY 500	I-280				
5485004174620	548500	4174620	8.417179	8.417179	11.09738	11.09738	TRUE	15.2522418	8.417179	TRUE	718.74	280	0.03228	0.0000406	549060	4175760	5490604175760				548700	4175280	APEZ	HWY 500	I-280				
5485204174620	548520	4174620	8.519008	8.519008	14.01314	14.01314	TRUE	19.2596596	8.519008	TRUE	726.92	280	0.03228	0.0000406	549100	4175760	5491004175760				548720	4175280	APEZ	HWY 500					
5485404174620	548540	4174620	8.623398	8.623398	16.74522	16.74522	FALSE	23.0146359	8.623398	FALSE	735.56	280	0.03228	0.0000406	549120	4175760	5491204175760				548740	4175280	APEZ	HWY 500					
5485604174620	548560	4174620	8.93644	8.93644	25.13147	25.13147	FALSE	34.5406937	8.93644	FALSE	744.64	280	0.03228	0.0000406	548780	4175780	5487804175780				548760	4175280		HWY 500					
5485804174620	548580	4174620	10.05052	10.05052	53.94675	53.94675	FALSE	74.1444118	10.050517	FALSE	754.13	280	0.03228	0.0000406	548800	4175780	5488004175780				548780	4175280		HWY 500					
5486004174620	548600	4174620	10.59399	10.59399	67.67179	67.67179	FALSE	93.0081041	10.593985	FALSE	764.04	280	0.03228	0.0000406	548820	4175780	5488204175780				548800	4175280		HWY 500					
5486204174620	548620	4174620	10.68518	10.68518	70.51259	70.51259	FALSE	96.9125037	10.685176	FALSE	774.33	280	0.03228	0.0000406	548840	4175780	5488404175780				548820	4175280		HWY 500					
5486404174620	548640	4174620	9.694071	9.694071	49.13747	49.13747	TRUE	67.5345346	9.694071	TRUE	785.00	280	0.03228	0.0000406	548860	4175780	5488604175780				548840	4175280		HWY 500					
5486604174620	548660	4174620	9.285151	9.285151	39.39964	39.39964	FALSE	54.1508611	9.285151	FALSE	796.02	280	0.03228	0.0000406	548880	4175780	5488804175780				548520	4175300		HWY 500					
5486804174620	548680	4174620	9.09233	9.09233	35.64882	35.64882	TRUE	48.9957313	9.09233	TRUE	807.39	280	0.03228	0.0000406	548900	4175780	5489004175780				548540	4175300		HWY 500					
5487004174620	548700	4174620	8.943104	8.943104	30.39108	30.39108	TRUE	41.7695045	8.943104	TRUE	819.10	280	0.03228	0.0000406	548920	4175780	5489204175780				548560	4175300		HWY 500					
5487204174620	548720	4174620	8.848929	8.848929	27.63119	27.63119	TRUE	37.976313	8.848929	TRUE	831.12	280	0.03228	0.0000406	548940	4175780	5489404175780				548580	4175300		HWY 500					
5487404174620	548740	4174620	8.79404	8.79404	26.79063	26.79063	TRUE	36.8210446	8.79404	TRUE	843.44	280	0.03228	0.0000406	548960	4175780	5489604175780				548600	4175300		HWY 500					
5487604174620	548760	4174620	8.771513	8.771513	27.83379	27.83379	FALSE	38.2547624	8.771513	FALSE	856.05	280	0.03228	0.0000406	549000	4175780	5490004175780				548620	4175300		HWY 500					
5487804174620	548780	4174620	8.779155	8.779155	30.80113	30.80113	FALSE	42.3330786	8.779155	FALSE	868.94	280	0.03228	0.0000406	549020	4175780	5490204175780				548640	4175300	APEZ	HWY 500					
5488004174620	548800	4174620	8.842508	8.842508	37.86142	37.86142	FALSE	52.0367356	8.842508	FALSE	882.09	280	0.03228	0.0000406	549040	4175780	5490404175780				548660	4175300	APEZ	HWY 500					
5488204174620	548820	4174620	8.708726	8.708726	28.02211	28.02211	FALSE	38.5135811	8.708726	FALSE	895.50	280	0.03228	0.0000406	549060	4175780	5490604175780				548680	4175300	APEZ	HWY 500	I-280				
5472804174640	547280	4174640	8.11847	8.11847	1.511226	1.511226	FALSE	2.07702901	8.11847	FALSE	1132.07	280	0.03228	0.0000406	549080	4175780	5490804175780				548700	4175300	APEZ	HWY 500	I-280				
5473004174640	547300	4174640	8.109282	8.109282	1.295336	1.295336	FALSE	1.7803098	8.109282	FALSE	1115.62	280	0.03228	0.0000406	549120	4175780	5491204175780				548720	4175300	APEZ	HWY 500					
5473204174640	547320	4174640	8.104861	8.104861	1.192035	1.192035	FALSE	1.6383329	8.104861	FALSE	1099.29	280	0.03228	0.0000406	548780	4175800	5487804175800				548740	4175300	APEZ	HWY 500					
5473404174640	547340	4174640	8.102025	8.102025	1.127986	1.127986	FALSE	1.55030396	8.102025	FALSE	1083.09	280	0.03228	0.0000406	548800	4175800	5488004175800				548760	4175300		HWY 500					
5473604174640	547360	4174640	8.101411	8.101411	1.116986	1.116986	FALSE	1.53518556	8.101411	FALSE	1067.01	280	0.03228	0.0000406	548820	4175800	5488204175800				548780	4175300		HWY 500					
5473804174640	547380	4174640	8.101846	8.101846	1.129165	1.129165	FALSE	1.55192438	8.101846	FALSE	1051.07	280	0.03228	0.0000406	548840	4175800	5488404175800				548800	4175300		HWY 500					
5474004174640	547400	4174640	8.101304	8.101304	1.114304	1.114304	FALSE	1.53149942	8.101304	FALSE	1035.27	280	0.03228	0.0000406	548860	4175800	5488604175800				548820	4175300		HWY 500					
5474204174640	547420	4174640	8.10152	8.10152	1.120641	1.120641	FALSE	1.54020899	8.10152	FALSE	1019.61	280	0.03228	0.0000406	548880	4175800	5488804175800				548840	4175300		HWY 500					
5474404174640	547440	4174640	8.102327	8.102327	1.142819	1.142819	FALSE	1.57069043	8.102327	FALSE	1004.11	280	0.03228	0.0000406	548900	4175800	5489004175800				548860	4175300		HWY 500					
5474604174640	547460	4174640	8.104229	8.104229	1.183806	1.183806	FALSE	1.62702297	8.104229	FALSE	988.78	280	0.03228	0.0000406	548920	4175800	5489204175800				548540	4175320		HWY 500					
5474804174640	547480	4174640	8.106868	8.106868	1.248266	1.248266	FALSE	1.71561679	8.106868	FALSE	973.61	280	0.03228	0.0000406	548940	4175800	5489404175800				548560	4175320		HWY 500					
5475004174640	547500	4174640	8.110688	8.110688	1.324722	1.324722	FALSE	1.82069792	8.110688	FALSE	958.62	280	0.03228	0.0000406	548960	4175800	5489604175800				548580	4175320		HWY 500					
5475204174640	547520	4174640	8.114261	8.114261	1.401868	1.401868	FALSE	1.92672738	8.114261	FALSE	943.81	280	0.03228	0.0000406	549020	4175800	5490204175800				548600	4175320		HWY 500					
5475404174640	547540	4174640	8.118282	8.118282	1.510401	1.510401	FALSE	2.07589513	8.118282	FALSE	929.20	280	0.03228	0.0000406	549040	4175800	5490404175800				548620	4175320		HWY 500					
5475604174640	547560	4174640	8.121187	8.121187	1.586681	1.586681	FALSE	2.18073437	8.121187	FALSE	914.79	280	0.03228	0.0000406	549080	4175800	5490804175800				548640	4175320	APEZ	HWY 500					
5475804174640	547580	4174640	8.119941	8.119941	1.512413	1.512413	FALSE	2.07866043	8.119941	FALSE	900.60	280	0.03228	0.0000406	548980	4175820	5489804175820				548660	4175320	APEZ	HWY 500					
5476004174640	547600	4174640	8.121241	8.121241	1.5337	1.5337	FALSE	2.10791728	8.121241	FALSE	886.63	280	0.03228	0.0000406	549000	4175820	5490004175820				548680	4175320	APEZ	HWY 500	I-280				
5476204174640	547620	4174640	8.122901	8.122901	1.562807	1.562807	FALSE	2.14792194	8.122901	FALSE	872.89	280	0.03228	0.0000406	549040	4175820	5490404175820				548700	4175320	APEZ	HWY 500	I-280				
5476404174640	547640	4174640	8.129003	8.129003	1.696597	1.696597	FALSE	2.33180292	8.129003	FALSE	859.40	280	0.03228	0.0000406	549060	4175820	5490604175820				548720	4175320	APEZ	HWY 500					
5476604174640	547660	4174640	8.143661	8.143661	1.984902	1.984902	FALSE	2.72804931	8.143661	FALSE	846.17	280	0.03228	0.0000406	549100	4175820	5491004175820				548740	4175320	APEZ	HWY 500					
5476804174640	547680	4174640	8.158536	8.158536	2.295589	2.295589	FALSE	3.15505752	8.158536	FALSE	833.21	280	0.03228	0.0000406	549120	4175820	5491204175820				548760	4175320		HWY 500					
5477004174640	547700	4174640	8.142345	8.142345	2.01627	2.01627	FALSE	2.77116149	8.142345	FALSE	820.53	280	0.03228	0.0000406	548820	4175840	5488204175840				548780	4175320		HWY 500					

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5480004174660	548000	4174660	8.133757	8.133757	1.901656	1.901656	FALSE	2.61363601	8.133757	FALSE	655.44	280	0.03228	0.0000406							548620	4175440		HWY 500	
5480204174660	548020	4174660	8.129009	8.129009	1.806095	1.806095	FALSE	2.48229697	8.129009	FALSE	649.18	280	0.03228	0.0000406							548640	4175440		HWY 500	
5480404174660	548040	4174660	8.126718	8.126718	1.76817	1.76817	FALSE	2.43017285	8.126718	FALSE	643.48	280	0.03228	0.0000406							548660	4175440		HWY 500	
5480604174660	548060	4174660	8.127497	8.127497	1.799022	1.799022	FALSE	2.47257584	8.127497	FALSE	638.35	280	0.03228	0.0000406							548680	4175440		HWY 500	
5480804174660	548080	4174660	8.128334	8.128334	1.834121	1.834121	FALSE	2.5208159	8.128334	FALSE	633.82	280	0.03228	0.0000406							548700	4175440	APEZ	HWY 500	
5481004174660	548100	4174660	8.128998	8.128998	1.861293	1.861293	FALSE	2.5581611	8.128998	FALSE	629.89	280	0.03228	0.0000406							548720	4175440	APEZ	HWY 500	I-280
5481204174660	548120	4174660	8.130141	8.130141	1.901422	1.901422	FALSE	2.6133144	8.130141	FALSE	626.58	280	0.03228	0.0000406							548740	4175440	APEZ	HWY 500	I-280
5481404174660	548140	4174660	8.132681	8.132681	1.978328	1.978328	FALSE	2.719014	8.132681	FALSE	623.88	280	0.03228	0.0000406							548760	4175440	APEZ	HWY 500	I-280
5481604174660	548160	4174660	8.13783	8.13783	2.112766	2.112766	FALSE	2.90378559	8.13783	FALSE	621.82	280	0.03228	0.0000406							548780	4175440	APEZ	HWY 500	
5481804174660	548180	4174660	8.145824	8.145824	2.392662	2.392662	FALSE	3.28847465	8.145824	FALSE	620.40	280	0.03228	0.0000406							548800	4175440	APEZ	HWY 500	
5482004174660	548200	4174660	8.151622	8.151622	2.603194	2.603194	FALSE	3.57782983	8.151622	FALSE	619.62	280	0.03228	0.0000406							548820	4175440		HWY 500	
5482204174660	548220	4174660	8.160839	8.160839	2.978229	2.978229	FALSE	4.09327794	8.160839	FALSE	619.49	280	0.03228	0.0000406							548840	4175440		HWY 500	
5482404174660	548240	4174660	8.176055	8.176055	3.502704	3.502704	FALSE	4.81411638	8.176055	FALSE	620.00	280	0.03228	0.0000406							548860	4175440		HWY 500	
5482604174660	548260	4174660	8.187726	8.187726	3.906207	3.906207	FALSE	5.3686909	8.187726	FALSE	621.15	280	0.03228	0.0000406							548880	4175440		HWY 500	
5482804174660	548280	4174660	8.192798	8.192798	4.100492	4.100492	FALSE	5.6357162	8.192798	FALSE	622.95	280	0.03228	0.0000406							548900	4175440		HWY 500	
5483004174660	548300	4174660	8.195957	8.195957	4.223506	4.223506	FALSE	5.80478665	8.195957	FALSE	625.38	280	0.03228	0.0000406							548920	4175440		HWY 500	
5483204174660	548320	4174660	8.203622	8.203622	4.498165	4.498165	FALSE	6.18227798	8.203622	FALSE	628.43	280	0.03228	0.0000406							548580	4175460		HWY 500	
5483404174660	548340	4174660	8.215531	8.215531	4.899285	4.899285	FALSE	6.7335773	8.215531	FALSE	632.11	280	0.03228	0.0000406							548600	4175460		HWY 500	
5483604174660	548360	4174660	8.219446	8.219446	5.040094	5.040094	FALSE	6.92710519	8.219446	FALSE	636.39	280	0.03228	0.0000406							548620	4175460		HWY 500	
5483804174660	548380	4174660	8.225934	8.225934	5.267042	5.267042	FALSE	7.23902252	8.225934	FALSE	641.27	280	0.03228	0.0000406							548640	4175460		HWY 500	
5484004174660	548400	4174660	8.235964	8.235964	5.6004	5.6004	FALSE	7.69718976	8.235964	FALSE	646.73	280	0.03228	0.0000406							548660	4175460		HWY 500	
5484204174660	548420	4174660	8.241235	8.241235	5.773728	5.773728	FALSE	7.93541176	8.241235	FALSE	652.76	280	0.03228	0.0000406							548680	4175460		HWY 500	
5484404174660	548440	4174660	8.25317	8.25317	6.154296	6.154296	TRUE	8.45846442	8.25317	TRUE	659.34	280	0.03228	0.0000406							548700	4175460	APEZ	HWY 500	
5484604174660	548460	4174660	8.273794	8.273794	6.802708	6.802708	FALSE	9.34964188	8.273794	FALSE	666.46	280	0.03228	0.0000406							548720	4175460	APEZ	HWY 500	
5484804174660	548480	4174660	8.309795	8.309795	7.923637	7.923637	FALSE	10.8902467	8.309795	FALSE	674.09	280	0.03228	0.0000406							548740	4175460	APEZ	HWY 500	I-280
5485004174660	548500	4174660	8.358065	8.358065	9.372589	9.372589	TRUE	12.8816863	8.358065	TRUE	682.22	280	0.03228	0.0000406							548760	4175460	APEZ	HWY 500	I-280
5485204174660	548520	4174660	8.426851	8.426851	11.37566	11.37566	TRUE	15.634703	8.426851	TRUE	690.84	280	0.03228	0.0000406							548780	4175460	APEZ	HWY 500	
5485404174660	548540	4174660	8.56236	8.56236	15.22139	15.22139	FALSE	20.9202729	8.56236	FALSE	699.93	280	0.03228	0.0000406							548800	4175460	APEZ	HWY 500	
5485604174660	548560	4174660	8.866676	8.866676	23.73262	23.73262	FALSE	32.6181074	8.866676	FALSE	709.46	280	0.03228	0.0000406							548820	4175460		HWY 500	
5485804174660	548580	4174660	9.749338	9.749338	46.74505	46.74505	FALSE	64.2463953	9.749338	FALSE	719.42	280	0.03228	0.0000406							548840	4175460		HWY 500	
5486004174660	548600	4174660	10.66202	10.66202	69.87525	69.87525	FALSE	96.0365463	10.662022	FALSE	729.79	280	0.03228	0.0000406							548860	4175460		HWY 500	
5486204174660	548620	4174660	10.33666	10.33666	63.40619	63.40619	FALSE	87.1454717	10.336661	FALSE	740.56	280	0.03228	0.0000406							548880	4175460		HWY 500	
5486404174660	548640	4174660	9.774985	9.774985	49.87106	49.87106	TRUE	68.5427862	9.774985	TRUE	751.71	280	0.03228	0.0000406							548900	4175460		HWY 500	
5486604174660	548660	4174660	9.365201	9.365201	40.01878	40.01878	TRUE	55.0018044	9.365201	TRUE	763.21	280	0.03228	0.0000406							548920	4175460		HWY 500	
5486804174660	548680	4174660	9.105175	9.105175	32.46013	32.46013	TRUE	44.6132068	9.105175	TRUE	775.07	280	0.03228	0.0000406							548600	4175480		HWY 500	
5487004174660	548700	4174660	8.950588	8.950588	28.34808	28.34808	TRUE	38.9616053	8.950588	TRUE	787.25	280	0.03228	0.0000406							548620	4175480		HWY 500	
5487204174660	548720	4174660	8.852527	8.852527	26.35815	26.35815	FALSE	36.2266414	8.852527	FALSE	799.75	280	0.03228	0.0000406							548640	4175480		HWY 500	
5487404174660	548740	4174660	8.799779	8.799779	26.06749	26.06749	FALSE	35.8271624	8.799779	FALSE	812.54	280	0.03228	0.0000406							548660	4175480		HWY 500	
5487604174660	548760	4174660	8.79324	8.79324	28.67242	28.67242	TRUE	39.4073754	8.79324	TRUE	825.63	280	0.03228	0.0000406							548680	4175480		HWY 500	
5487804174660	548780	4174660	8.766928	8.766928	28.55487	28.55487	FALSE	39.2458133	8.766928	FALSE	838.98	280	0.03228	0.0000406							548700	4175480		HWY 500	
5488004174660	548800	4174660	8.761835	8.761835	29.95676	29.95676	FALSE	41.1725682	8.761835	FALSE	852.60	280	0.03228	0.0000406							548720	4175480	APEZ	HWY 500	
5488204174660	548820	4174660	8.699591	8.699591	26.12885	26.12885	FALSE	35.9114873	8.699591	FALSE	866.47	280	0.03228	0.0000406							548740	4175480	APEZ	HWY 500	I-280
5488404174660	548840	4174660	8.663647	8.663647	24.39272	24.39272	FALSE	33.525353	8.663647	FALSE	880.57	280	0.03228	0.0000406							548760	4175480	APEZ	HWY 500	I-280
5488604174660	548860	4174660	8.635878	8.635878	23.20205	23.20205	FALSE	31.8889003	8.635878	FALSE	894.89	280	0.03228	0.0000406							548780	4175480	APEZ	HWY 500	I-280
5472404174680	547240	4174680	8.114051	8.114051	1.429354	1.429354	FALSE	1.96450414	8.114051	FALSE	1143.83	280	0.03228	0.0000406							548800	4175480	APEZ	HWY 500	
5472604174680	547260	4174680	8.110898	8.110898	1.3726	1.3726	FALSE	1.88650144	8.110898	FALSE	1126.85	280	0.03228	0.0000406							548820	4175480		HWY 500	
5472804174680	547280	4174680	8.106634	8.106634	1.26443	1.26443	FALSE	1.73783259	8.106634	FALSE	1109.96	280	0.03228	0.0000406							548840	4175480		HWY 500	
5473004174680	547300	4174680	8.103308	8.103308	1.161226	1.161226	FALSE	1.59598901	8.103308	FALSE	1093.19	280	0.03228	0.0000406							548860	4175480		HWY 500	
5473204174680	547320	4174680	8.101514	8.101514	1.110209	1.110209	FALSE	1.52587125	8.101514	FALSE	1076.52	280	0.03228	0.0000406							548880	4175480		HWY 500	
5473404174680	547340	4174680	8.100303	8.100303	1.08484	1.08484	FALSE	1.4910041	8.100303	FALSE	1059.96	280	0.03228	0.0000406							548900	4175480		HWY 500	
5473604174680	547360	4174680	8.099418	8.099418	1.063194	1.063194	FALSE	1.46125383	8.099418	FALSE	1043.53	280	0.03228	0.0000406							548920	4175480		HWY 500	
5473804174680	547380	4174680	8.099978	8.099978	1.077504	1.077504	FALSE	1.4809215	8.099978	FALSE	1027.22	280	0.03228	0.0000406							548940	4175480		HWY 500	
5474004174680	547400	4174680	8.09975	8.09975	1.071617	1.071617	FALSE	1.4728304	8.09975	FALSE	1011.05	280	0.03228	0.0000406							548600	4175500		HWY 500	
5474204174680	547420	4174680	8.100037	8.100037	1.0797	1.0797	FALSE	1.48393968	8.100037	FALSE	995.01	280	0.03228	0.0000406							548620	4175500		HWY 500	
5474404174680	547440	4174680	8.100842	8.100842	1.101299	1.101299	FALSE	1.51362535	8.100842	FALSE	979.13	280	0.03228	0.0000406							548640	4175500		HWY 500	
5474604174680	547460	4174680	8.102109	8.102109	1.123671	1.123671	FALSE	1.54437342	8.102109	FALSE	963.39	280	0.03228	0.0000406							548660	4175500		HWY 500	
5474804174680	547480	4174680	8.104453	8.104453	1.180268	1.180268	FALSE	1.62216034	8.104453	FALSE	947.81	280	0.03228	0.0000406							548680	4175500		HWY 500	
5475004174680	547500	4174680	8.107235	8.107235	1.229935	1.229935	FALSE	1.69042266	8.107235	FALSE	932.41	280	0.03228	0.0000406							548700	4175500		HWY 500	
5475204174680	547520	4174680	8.109552	8.109552	1.272062	1.272062	FALSE	1.74832201	8.109552	FALSE	917.18	280	0.03228	0.0000406							548720	4175500		HWY 500	
5475404174680	547540	4174680	8.112917	8.112917	1.360182	1.360182	FALSE	1.86943414	8.112917	FALSE	902.14	280	0.03228	0.0000406							548740	4175500	APEZ	HWY 500	
5475604174680	547560	4174680	8.1158	8.1158	1.434963	1.434963	FALSE	1.97221315	8.1158	FALSE	887.29	280	0.03228	0.0000406							548760	4175500	APEZ	HWY 500	I-280
5475804174680	547580	4174680	8.114659	8.114659	1.367136	1.367136	FALSE	1.87899172	8.114659	FALSE	872.65	280	0.03228	0.0000406							548780	4175500	APEZ	HWY 500	I-280
5476004174680	547600	4174680	8.116789	8.116789	1.412978	1.412978	FALSE	1.94199696	8.116789	FALSE	858.23	280	0.03228	0.0000406							548800	4175500	APEZ	HWY 500	
5476204174680	547620	4174680	8.120319	8.120319	1.496401	1.496401	FALSE	2.05665353	8.120319	FALSE	844.03	280	0.03228	0.0000406							548820	4175500	APEZ	HWY 500	
5476404174680	547640	4174680	8.129535	8.129535	1.711787	1.711787	FALSE	2.35268005	8.129535	FALSE	830.07	280	0.03228	0.0000406							548840	4175500	APEZ	HWY 500	
5476604174680	547660	4174680	8.158647	8.158647	2.28311	2.28311	FALSE	3.13790638	8.158647	FALSE	816.37	280	0.03228	0.0000406							548860	4175500		HWY 500	
5476804174680	547680	4174680	8.148845	8.148845	2.096923	2.096923	FALSE	2.88201097	8.148845	FALSE	802.92	280	0.03228	0.0000406							548880	4175500		HWY 500	
5477004174680	547700	4174680	8.136803	8.136803	1.896519	1.896519	FALSE	2.60657571	8.136803	FALSE	789.76	280	0.03228	0.0000406							548900	4175500		HWY 500	
5477204174680	547720	4174680	8.133312	8.133312	1.861855	1.861855	FALSE	2.55893351	8.133312	FALSE	776.89	280	0.03228	0.0000406							548920	4175500		HWY 500	
5477404174680	547740	4174680	8.13353	8.13353	1.899868	1.899868	FALSE	2.61117858	8.13353	FALSE	764.32	280	0.03228	0.0000406							548940	4175500		HWY 500	
5477604174680	547760	4174680	8.134213	8.134213	1.932916	1.932916	FALSE	2.65659975	8.134213	FALSE	752.08	280	0.03228	0.0000406							548960	4175500		HWY 500	
5477804174680	547780	4174680	8.135264	8.135264	1.972899	1.972899	FALSE	2.71155239	8.135264	FALSE	740.17	280	0.03228	0.0000406							548620	4175520		HWY 500	
5478004174680	547800	4174680	8.136341	8.136341	2.00614	2.00614	FALSE	2.75723882	8.136341	FALSE	728.62	280	0.03228	0.0000406							548640	4175520		HWY 500	
5478204174680	547820	4174680	8.135508	8.135508	1.977598	1.977598	FALSE	2.71801069	8.135508	FALSE	717.44	280	0.03228	0.0000406							548660	4175520		HWY 500	
5478404174680	547840	4174680	8.137979	8.137979	2.035024	2.035024	FALSE	2.79693699	8.137979	FALSE	706.65	280	0.03228	0.0000406							548680	4175520		HWY 500	
5478604174680	547860	4174680	8.14056	8.14056	2.089468	2.089468	FALSE	2.87176482	8.14056	FALSE	696.27	280	0.03228	0.0000406							548700	4175520		HWY 500	
5478804174680	547880	4174680	8.147708	8.147708	2.253208	2.253208	FALSE	3.09680908	8.147708	FALSE	686.31	280	0.03228	0.0000406							548720	4175520		HWY 500	
5479004174680	547900	4174680	8.158438	8.158438	2.476493	2.476493	FALSE	3.40369198	8.158438	FALSE	676.80	280	0.03228	0.0000406							548740	4175520	APEZ	HWY 500	
5479204174680	547920	4174680	8.183431	8.183431	2.959697	2.959697	FALSE	4.06780756	8.183431	FALSE	667.75	280	0.03228	0.0000406							548760	4175520	APEZ	HWY 500	I-280
5479404174680	547940	4174680	8.159408	8.159408	2.472815	2.472815	FALSE	3.39863694	8.159408	FALSE	659.18	280	0.03228	0.0000406							548780	4175520	APEZ	HWY 500	I-280
5479604174680	547960	4174680	8.164886	8.164886	2.577533	2.577533	FALSE	3.54256136	8.164886	FALSE	651.12	280	0.03228	0.0000406							548800	4175520	APEZ	HWY 500	I-280
5479804174680	547980	4174680	8.147117	8.147117	2.19541	2.19541	FALSE	3.0173715	8.147117	FALSE	643.57	280	0.03228	0.0000406							548820	4175520	APEZ	HWY 500	
5480004174680	548000	4174680	8.137864	8.137864	2.006581	2.006581	FALSE	2.75784493	8.137864	FALSE	636.57	280	0.03228	0.0000406							548840	4175520	APEZ	HWY 500	
5480204174680	548020	4174680	8.133356	8.133356	1.917024	1.917024	FALSE	2.63475779	8.133356	FALSE	630.12	280	0.03228	0.0000406							548860	4175520		HWY 500	
5480404174680	548040	4174680	8.130715	8.130715	1.871912	1.871912	FALSE	2.57275585	8.130715	FALSE	624.25	280	0.03228	0.0000406							548880	4175520		HWY 500	
5480604174680	548060	4174680	8.13144	8.13144	1.90301	1.90301	FALSE	2.61549694	8.13144	FALSE	618.97	280	0.03228	0.0000406							548900	4175520		HWY 500	
5480804174680	548080	4174680	8.13285	8.13285	1.95334	1.95334	FALSE	2.6846705	8.13285	FALSE	614.29	280	0.03228	0.0000406							548920	4175520		HWY 500	
5481004174680	548100	4174680	8.134916	8.134916	2.015247	2.015247	FALSE	2.76975548	8.134916	FALSE	610.23	280	0.03228	0.0000406							548940	4175520		HWY 500	
5481204174680	548120	4174680	8.135077	8.135077	2.032082	2.032082	FALSE	2.7928935	8.135077	FALSE	606.81	280	0.03228	0.0000406							548960	4175520		HWY 500	
5481404174680	548140	4174680	8.135567	8.135567	2.062647	2.062647	FALSE	2.83490204	8.135567	FALSE	604.03	280	0.03228	0.0000406							548620	4175540		HWY 500	
5481604174680	548160	4174680	8.137707	8.137707	2.129418	2.129418	FALSE	2.9266721	8.137707	FALSE	601.90	280	0.03228	0.0000406							548640	4175540		HWY 500	
5481804174680	548180	4174680	8.140299	8.140299	2.304124	2.304124	FALSE	3.16678803	8.140299	FALSE	600.43	280	0.03228	0.0000406							548660	4175540		HWY 500	
5482004174680	548200	4174680	8.148746	8.148746	2.548778	2.548778	FALSE	3.50304048	8.148746	FALSE	599.63	280	0.03228	0.0000406							548680	4175540		HWY 500	
5482204174680	548220	4174680	8.160363	8.160363	2.919783	2.919783	FALSE	4.01294976	8.160363	FALSE	599.49	280	0.03228	0.0000406							548700	4175540		HWY 500	

5482404174680	548240	4174680	8.171455	8.171455	3.345364	3.345364	FALSE	4.59786828	8.171455	FALSE	600.02	280	0.03228	0.0000406									
5482604174680	548260	4174680	8.182482	8.182482	3.733621	3.733621	FALSE	5.1314887	8.182482	FALSE	601.21	280	0.03228	0.0000406									
5482804174680	548280	4174680	8.188984	8.188984	3.976792	3.976792	FALSE	5.46570292	8.188984	FALSE	603.06	280	0.03228	0.0000406									
5483004174680	548300	4174680	8.189781	8.189781	4.023417	4.023417	FALSE	5.52978432	8.189781	FALSE	605.57	280	0.03228	0.0000406									
5483204174680	548320	4174680	8.194612	8.194612	4.201057	4.201057	FALSE	5.77393274	8.194612	FALSE	608.73	280	0.03228	0.0000406									
5483404174680	548340	4174680	8.203023	8.203023	4.488756	4.488756	FALSE	6.16934625	8.203023	FALSE	612.52	280	0.03228	0.0000406									
5483604174680	548360	4174680	8.20912	8.20912	4.702273	4.702273	FALSE	6.46280401	8.20912	FALSE	616.94	280	0.03228	0.0000406									
5483804174680	548380	4174680	8.21371	8.21371	4.865671	4.865671	FALSE	6.68737822	8.21371	FALSE	621.97	280	0.03228	0.0000406									
5484004174680	548400	4174680	8.21747	8.21747	4.996868	4.996868	FALSE	6.86769538	8.21747	FALSE	627.60	280	0.03228	0.0000406									
5484204174680	548420	4174680	8.222273	8.222273	5.157203	5.157203	FALSE	7.0880598	8.222273	FALSE	633.81	280	0.03228	0.0000406									
5484404174680	548440	4174680	8.240954	8.240954	5.736494	5.736494	TRUE	7.88423735	8.240954	TRUE	640.59	280	0.03228	0.0000406									
5484604174680	548460	4174680	8.263199	8.263199	6.438317	6.438317	TRUE	8.84882288	8.263199	TRUE	647.91	280	0.03228	0.0000406									
5484804174680	548480	4174680	8.300065	8.300065	7.61787	7.61787	FALSE	10.4700005	8.300065	FALSE	655.76	280	0.03228	0.0000406									
5485004174680	548500	4174680	8.356501	8.356501	9.319297	9.319297	FALSE	12.8084418	8.356501	FALSE	664.12	280	0.03228	0.0000406									
5485204174680	548520	4174680	8.429701	8.429701	11.44448	11.44448	FALSE	15.7292961	8.429701	FALSE	672.97	280	0.03228	0.0000406									
5485404174680	548540	4174680	8.53232	8.53232	14.34035	14.34035	TRUE	19.7093715	8.53232	TRUE	682.29	280	0.03228	0.0000406									
5485604174680	548560	4174680	8.779245	8.779245	21.30027	21.30027	FALSE	29.2750897	8.779245	FALSE	692.06	280	0.03228	0.0000406									
5485804174680	548580	4174680	9.384758	9.384758	37.19337	37.19337	FALSE	51.1185719	9.384758	FALSE	702.27	280	0.03228	0.0000406									
5486004174680	548600	4174680	10.24312	10.24312	59.55884	59.55884	FALSE	81.8576711	10.243124	FALSE	712.89	280	0.03228	0.0000406									
5486204174680	548620	4174680	9.724432	9.724432	48.68932	48.68932	FALSE	66.9185973	9.724432	FALSE	723.91	280	0.03228	0.0000406									
5486404174680	548640	4174680	9.880107	9.880107	56.03563	56.03563	FALSE	77.0153754	9.880107	FALSE	735.31	280	0.03228	0.0000406									
5486604174680	548660	4174680	9.380963	9.380963	40.54321	40.54321	TRUE	55.7225919	9.380963	TRUE	747.07	280	0.03228	0.0000406									
5486804174680	548680	4174680	9.127988	9.127988	33.05961	33.05961	FALSE	45.4371307	9.127988	FALSE	759.18	280	0.03228	0.0000406									
5487004174680	548700	4174680	8.965147	8.965147	28.66166	28.66166	FALSE	39.3925828	8.965147	FALSE	771.61	280	0.03228	0.0000406									
5487204174680	548720	4174680	8.862694	8.862694	26.46731	26.46731	TRUE	36.3766764	8.862694	TRUE	784.36	280	0.03228	0.0000406									
5487404174680	548740	4174680	8.806427	8.806427	25.98515	25.98515	TRUE	35.7139888	8.806427	TRUE	797.40	280	0.03228	0.0000406									
5487604174680	548760	4174680	8.788755	8.788755	27.75318	27.75318	TRUE	38.1439637	8.788755	TRUE	810.73	280	0.03228	0.0000406									
5487804174680	548780	4174680	8.802513	8.802513	31.28107	31.28107	FALSE	42.9927054	8.802513	FALSE	824.33	280	0.03228	0.0000406									
5488004174680	548800	4174680	8.807492	8.807492	33.45202	33.45202	FALSE	45.9764549	8.807492	FALSE	838.18	280	0.03228	0.0000406									
5488204174680	548820	4174680	8.714068	8.714068	26.90591	26.90591	FALSE	36.9794772	8.714068	FALSE	852.28	280	0.03228	0.0000406									
5488404174680	548840	4174680	8.674991	8.674991	24.89583	24.89583	FALSE	34.2168342	8.674991	FALSE	866.61	280	0.03228	0.0000406									
5488604174680	548860	4174680	8.64829	8.64829	23.77522	23.77522	FALSE	32.6766679	8.64829	FALSE	881.16	280	0.03228	0.0000406									
5488804174680	548880	4174680	8.630665	8.630665	23.22345	23.22345	FALSE	31.9183152	8.630665	FALSE	895.93	280	0.03228	0.0000406									
5472204174700	547220	4174700	8.122929	8.122929	1.632781	1.632781	FALSE	2.24409421	8.122929	FALSE	1150.71	280	0.03228	0.0000406									
5472404174700	547240	4174700	8.115658	8.115658	1.468224	1.468224	FALSE	2.01792707	8.115658	FALSE	1133.48	280	0.03228	0.0000406									
5472604174700	547260	4174700	8.111664	8.111664	1.392621	1.392621	FALSE	1.9140183	8.111664	FALSE	1116.34	280	0.03228	0.0000406									
5472804174700	547280	4174700	8.107791	8.107791	1.293502	1.293502	FALSE	1.77778915	8.107791	FALSE	1099.29	280	0.03228	0.0000406									
5473004174700	547300	4174700	8.104492	8.104492	1.189693	1.189693	FALSE	1.63511406	8.104492	FALSE	1082.35	280	0.03228	0.0000406									
5473204174700	547320	4174700	8.102299	8.102299	1.128382	1.128382	FALSE	1.55084822	8.102299	FALSE	1065.51	280	0.03228	0.0000406									
5473404174700	547340	4174700	8.101119	8.101119	1.103394	1.103394	FALSE	1.51650471	8.101119	FALSE	1048.78	280	0.03228	0.0000406									
5473604174700	547360	4174700	8.100102	8.100102	1.078088	1.078088	FALSE	1.48172415	8.100102	FALSE	1032.17	280	0.03228	0.0000406									
5473804174700	547380	4174700	8.100378	8.100378	1.08498	1.08498	FALSE	1.49119651	8.100378	FALSE	1015.68	280	0.03228	0.0000406									
5474004174700	547400	4174700	8.100175	8.100175	1.079695	1.079695	FALSE	1.48393281	8.100175	FALSE	999.32	280	0.03228	0.0000406									
5474204174700	547420	4174700	8.100654	8.100654	1.092921	1.092921	FALSE	1.50211062	8.100654	FALSE	983.09	280	0.03228	0.0000406									
5474404174700	547440	4174700	8.101833	8.101833	1.124814	1.124814	FALSE	1.54594436	8.101833	FALSE	967.01	280	0.03228	0.0000406									
5474604174700	547460	4174700	8.103185	8.103185	1.150368	1.150368	FALSE	1.58106578	8.103185	FALSE	951.07	280	0.03228	0.0000406									
5474804174700	547480	4174700	8.105499	8.105499	1.206681	1.206681	FALSE	1.65846237	8.105499	FALSE	935.29	280	0.03228	0.0000406									
5475004174700	547500	4174700	8.107968	8.107968	1.247393	1.247393	FALSE	1.71441694	8.107968	FALSE	919.68	280	0.03228	0.0000406									
5475204174700	547520	4174700	8.109071	8.109071	1.256392	1.256392	FALSE	1.72678516	8.109071	FALSE	904.24	280	0.03228	0.0000406									
5475404174700	547540	4174700	8.111389	8.111389	1.316775	1.316775	FALSE	1.80977556	8.111389	FALSE	888.97	280	0.03228	0.0000406									
5475604174700	547560	4174700	8.113443	8.113443	1.369862	1.369862	FALSE	1.88273833	8.113443	FALSE	873.90	280	0.03228	0.0000406									
5475804174700	547580	4174700	8.112881	8.112881	1.319573	1.319573	FALSE	1.81362113	8.112881	FALSE	859.04	280	0.03228	0.0000406									
5476004174700	547600	4174700	8.115787	8.115787	1.388212	1.388212	FALSE	1.90795857	8.115787	FALSE	844.38	280	0.03228	0.0000406									
5476204174700	547620	4174700	8.12028	8.12028	1.501774	1.501774	FALSE	2.06403819	8.12028	FALSE	829.94	280	0.03228	0.0000406									
5476404174700	547640	4174700	8.126717	8.126717	1.658444	1.658444	FALSE	2.27936543	8.126717	FALSE	815.75	280	0.03228	0.0000406									
5476604174700	547660	4174700	8.130942	8.130942	1.754707	1.754707	FALSE	2.4116693	8.130942	FALSE	801.79	280	0.03228	0.0000406									
5476804174700	547680	4174700	8.134494	8.134494	1.834584	1.834584	FALSE	2.52145225	8.134494	FALSE	788.10	280	0.03228	0.0000406									
5477004174700	547700	4174700	8.132972	8.132972	1.832065	1.832065	FALSE	2.51799014	8.132972	FALSE	774.69	280	0.03228	0.0000406									
5477204174700	547720	4174700	8.132402	8.132402	1.852278	1.852278	FALSE	2.54577088	8.132402	FALSE	761.56	280	0.03228	0.0000406									
5477404174700	547740	4174700	8.133987	8.133987	1.919519	1.919519	FALSE	2.63818691	8.133987	FALSE	748.74	280	0.03228	0.0000406									
5477604174700	547760	4174700	8.136184	8.136184	1.992651	1.992651	FALSE	2.73869953	8.136184	FALSE	736.23	280	0.03228	0.0000406									
5477804174700	547780	4174700	8.138031	8.138031	2.054498	2.054498	FALSE	2.82370205	8.138031	FALSE	724.07	280	0.03228	0.0000406									
5478004174700	547800	4174700	8.139121	8.139121	2.087242	2.087242	FALSE	2.8687054	8.139121	FALSE	712.26	280	0.03228	0.0000406									
5478204174700	547820	4174700	8.137963	8.137963	2.049093	2.049093	FALSE	2.81627342	8.137963	FALSE	700.81	280	0.03228	0.0000406									
5478404174700	547840	4174700	8.139795	8.139795	2.088335	2.088335	FALSE	2.87020762	8.139795	FALSE	689.76	280	0.03228	0.0000406									
5478604174700	547860	4174700	8.141216	8.141216	2.112551	2.112551	FALSE	2.90349009	8.141216	FALSE	679.12	280	0.03228	0.0000406									
5478804174700	547880	4174700	8.149402	8.149402	2.311048	2.311048	FALSE	3.17630437	8.149402	FALSE	668.91	280	0.03228	0.0000406									
5479004174700	547900	4174700	8.156982	8.156982	2.450395	2.450395	FALSE	3.36782289	8.156982	FALSE	659.15	280	0.03228	0.0000406									
5479204174700	547920	4174700	8.181201	8.181201	2.944605	2.944605	FALSE	4.04706511	8.181201	FALSE	649.85	280	0.03228	0.0000406									
5479404174700	547940	4174700	8.236305	8.236305	4.048227	4.048227	FALSE	5.56388319	8.236305	FALSE	641.05	280	0.03228	0.0000406									
5479604174700	547960	4174700	8.169565	8.169565	2.714158	2.714158	FALSE	3.73033876	8.169565	FALSE	632.75	280	0.03228	0.0000406									
5479804174700	547980	4174700	8.151306	8.151306	2.311331	2.311331	FALSE	3.17669333	8.151306	FALSE	624.99	280	0.03228	0.0000406									
5480004174700	548000	4174700	8.143726	8.143726	2.15827	2.15827	FALSE	2.96632629	8.143726	FALSE	617.77	280	0.03228	0.0000406									
5480204174700	548020	4174700	8.138948	8.138948	2.06432	2.06432	FALSE	2.83720141	8.138948	FALSE	611.12	280	0.03228	0.0000406									
5480404174700	548040	4174700	8.135967	8.135967	2.011385	2.011385	FALSE	2.76444754	8.135967	FALSE	605.07	280	0.03228	0.0000406									
5480604174700	548060	4174700	8.135906	8.135906	2.024001	2.024001	FALSE	2.78178697	8.135906	FALSE	599.62	280	0.03228	0.0000406									
5480804174700	548080	4174700	8.137147	8.137147	2.068266	2.068266	FALSE	2.84262479	8.137147	FALSE	594.79	280	0.03228	0.0000406									
5481004174700	548100	4174700	8.141439	8.141439	2.173588	2.173588	FALSE	2.98737935	8.141439	FALSE	590.60	280	0.03228	0.0000406									
5481204174700	548120	4174700	8.149687	8.149687	2.3594	2.3594	FALSE	3.24275936	8.149687	FALSE	587.06	280	0.03228	0.0000406									
5481404174700	548140	4174700	8.13938	8.13938	2.16387	2.16387	FALSE	2.97402293	8.13938	FALSE	584.19	280	0.03228	0.0000406									
5481604174700	548160	4174700	8.139033	8.139033	2.175239	2.175239	FALSE	2.98964848	8.139033	FALSE	581.99	280	0.03228	0.0000406									
5481804174700	548180	4174700	8.138193	8.138193	2.273096	2.273096	FALSE	3.12414314	8.138193	FALSE	580.47	280	0.03228	0.0000406									
5482004174700	548200	4174700	8.146612	8.146612	2.498268	2.498268	FALSE	3.43361954	8.146612	FALSE	579.63	280	0.03228	0.0000406									
5482204174700	548220	4174700	8.171859	8.171859	3.088704	3.088704	FALSE	4.24511478	8.171859	FALSE	579.49	280	0.03228	0.0000406									
5482404174700	548240	4174700	8.166172	8.166172	3.144763	3.144763	FALSE	4.32216227	8.166172	FALSE	580.03	280	0.03228	0.0000406									
5482604174700	548260	4174700	8.174264	8.174264	3.452833	3.452833	FALSE	4.74557368	8.174264	FALSE	581.27	280	0.03228	0.0000406									
5482804174700	548280	4174700	8.183257	8.183257	3.78009	3.78009	FALSE	5.1953557	8.183257	FALSE	583.19	280	0.03228	0.0000406									
5483004174700	548300	4174700	8.183738	8.183738	3.819643	3.819643	FALSE	5.24971734	8.183738	FALSE	585.78	280	0.03228	0.0000406									
5483204174700	548320	4174700	8.18701	8.18701	3.947655	3.947655	FALSE	5.42565703	8.18701	FALSE	589.04	280	0.03228	0.0000406									
5483404174700	548340	4174700	8.192542	8.192542	4.141002	4.141002	FALSE	5.69139315	8.192542	FALSE	592.96	280	0.03228	0.0000406									
5483604174700	548360	4174700	8.198001	8.198001	4.334974	4.334974	FALSE	5.95798827	8.198001	FALSE	597.53	280	0.03228	0.0000406									
5483804174700	548380	4174700	8.204484	8.204484	4.562395	4.562395	FALSE	6.27055569	8.204484	FALSE	602.72	280	0.03228	0.0000406									
5484004174700	548400	4174700	8.212901	8.212901	4.847116	4.847116	FALSE	6.66187623	8.212901	FALSE	608.53	280	0.03228	0.0000406									
5484204174700	548420	4174700	8.226222	8.226222	5.26465	5.26465	TRUE	7.23573496	8.226222	TRUE	614.93	280	0.03228	0.0000406									

5484404174700	548440	4174700	8.239961	8.239961	5.704859	5.704859	FALSE	7.84075821	8.239961	FALSE	621.91	280	0.03228	0.0000406						
5484604174700	548460	4174700	8.262027	8.262027	6.40089	6.40089	TRUE	8.79738322	8.262027	TRUE	629.45	280	0.03228	0.0000406						
5484804174700	548480	4174700	8.294322	8.294322	7.436333	7.436333	TRUE	10.2204961	8.294322	TRUE	637.53	280	0.03228	0.0000406						
5485004174700	548500	4174700	8.348699	8.348699	9.07887	9.07887	TRUE	12.4779989	8.348699	TRUE	646.12	280	0.03228	0.0000406						
5485204174700	548520	4174700	8.424716	8.424716	11.28854	11.28854	FALSE	15.5149625	8.424716	FALSE	655.21	280	0.03228	0.0000406						
5485404174700	548540	4174700	8.50593	8.50593	13.57561	13.57561	TRUE	18.6583211	8.50593	TRUE	664.79	280	0.03228	0.0000406						
5485604174700	548560	4174700	8.687458	8.687458	18.587	18.587	TRUE	25.5459728	8.687458	TRUE	674.81	280	0.03228	0.0000406						
5485804174700	548580	4174700	9.178421	9.178421	31.88597	31.88597	FALSE	43.8240799	9.178421	FALSE	685.28	280	0.03228	0.0000406						
5486004174700	548600	4174700	9.482331	9.482331	40.38136	40.38136	FALSE	55.5001439	9.482331	FALSE	696.16	280	0.03228	0.0000406						
5486204174700	548620	4174700	9.662364	9.662364	47.41886	47.41886	FALSE	65.1724812	9.662364	FALSE	707.44	280	0.03228	0.0000406						
5486404174700	548640	4174700	9.911173	9.911173	57.65911	57.65911	FALSE	79.2466794	9.911173	FALSE	719.10	280	0.03228	0.0000406						
5486604174700	548660	4174700	9.385818	9.385818	41.5847	41.5847	FALSE	57.1540048	9.385818	FALSE	731.12	280	0.03228	0.0000406						
5486804174700	548680	4174700	9.129535	9.129535	33.57221	33.57221	TRUE	46.1416399	9.129535	TRUE	743.49	280	0.03228	0.0000406						
5487004174700	548700	4174700	8.975216	8.975216	29.18776	29.18776	TRUE	40.1156587	8.975216	TRUE	756.18	280	0.03228	0.0000406						
5487204174700	548720	4174700	8.877658	8.877658	26.81685	26.81685	TRUE	36.8570814	8.877658	TRUE	769.18	280	0.03228	0.0000406						
5487404174700	548740	4174700	8.813987	8.813987	25.7733	25.7733	TRUE	35.4228166	8.813987	TRUE	782.48	280	0.03228	0.0000406						
5487604174700	548760	4174700	8.785766	8.785766	26.75612	26.75612	TRUE	36.7736127	8.785766	TRUE	796.06	280	0.03228	0.0000406						
5487804174700	548780	4174700	8.778858	8.778858	28.61561	28.61561	TRUE	39.3292916	8.778858	TRUE	809.90	280	0.03228	0.0000406						
5488004174700	548800	4174700	8.818248	8.818248	33.95137	33.95137	FALSE	46.6627616	8.818248	FALSE	824.00	280	0.03228	0.0000406						
5488204174700	548820	4174700	8.745557	8.745557	29.18743	29.18743	FALSE	40.1152065	8.745557	FALSE	838.33	280	0.03228	0.0000406						
5488404174700	548840	4174700	8.69437	8.69437	26.13861	26.13861	FALSE	35.9249111	8.69437	FALSE	852.90	280	0.03228	0.0000406						
5488604174700	548860	4174700	8.665297	8.665297	24.78871	24.78871	FALSE	34.0695975	8.665297	FALSE	867.68	280	0.03228	0.0000406						
5488804174700	548880	4174700	8.651306	8.651306	24.51354	24.51354	FALSE	33.6914121	8.651306	FALSE	882.67	280	0.03228	0.0000406						
5489004174700	548900	4174700	8.655514	8.655514	25.57008	25.57008	FALSE	35.1435138	8.655514	FALSE	897.85	280	0.03228	0.0000406						
5472004174720	547200	4174720	8.128053	8.128053	1.775589	1.775589	FALSE	2.44036952	8.128053	FALSE	1158.24	280	0.03228	0.0000406						
5472204174720	547220	4174720	8.125648	8.125648	1.703151	1.703151	FALSE	2.34081073	8.125648	FALSE	1140.77	280	0.03228	0.0000406						
5472404174720	547240	4174720	8.118177	8.118177	1.530002	1.530002	FALSE	2.10283475	8.118177	FALSE	1123.39	280	0.03228	0.0000406						
5472604174720	547260	4174720	8.113613	8.113613	1.44139	1.44139	FALSE	1.98104642	8.113613	FALSE	1106.09	280	0.03228	0.0000406						
5472804174720	547280	4174720	8.109558	8.109558	1.336452	1.336452	FALSE	1.83681963	8.109558	FALSE	1088.88	280	0.03228	0.0000406						
5473004174720	547300	4174720	8.106364	8.106364	1.234657	1.234657	FALSE	1.69691258	8.106364	FALSE	1071.77	280	0.03228	0.0000406						
5473204174720	547320	4174720	8.103456	8.103456	1.15157	1.15157	FALSE	1.58271781	8.103456	FALSE	1054.77	280	0.03228	0.0000406						
5473404174720	547340	4174720	8.102193	8.102193	1.124766	1.124766	FALSE	1.54587839	8.102193	FALSE	1037.86	280	0.03228	0.0000406						
5473604174720	547360	4174720	8.101079	8.101079	1.097055	1.097055	FALSE	1.50779239	8.101079	FALSE	1021.08	280	0.03228	0.0000406						
5473804174720	547380	4174720	8.101193	8.101193	1.099719	1.099719	FALSE	1.51145379	8.101193	FALSE	1004.41	280	0.03228	0.0000406						
5474004174720	547400	4174720	8.100995	8.100995	1.094733	1.094733	FALSE	1.50460104	8.100995	FALSE	987.86	280	0.03228	0.0000406						
5474204174720	547420	4174720	8.101482	8.101482	1.108607	1.108607	FALSE	1.52366946	8.101482	FALSE	971.44	280	0.03228	0.0000406						
5474404174720	547440	4174720	8.102668	8.102668	1.141495	1.141495	FALSE	1.56887073	8.102668	FALSE	955.16	280	0.03228	0.0000406						
5474604174720	547460	4174720	8.104493	8.104493	1.182466	1.182466	FALSE	1.62518127	8.104493	FALSE	939.02	280	0.03228	0.0000406						
5474804174720	547480	4174720	8.106499	8.106499	1.230376	1.230376	FALSE	1.69102877	8.106499	FALSE	923.04	280	0.03228	0.0000406						
5475004174720	547500	4174720	8.108569	8.108569	1.259856	1.259856	FALSE	1.73154609	8.108569	FALSE	907.21	280	0.03228	0.0000406						
5475204174720	547520	4174720	8.109343	8.109343	1.258768	1.258768	FALSE	1.73005074	8.109343	FALSE	891.55	280	0.03228	0.0000406						
5475404174720	547540	4174720	8.11129	8.11129	1.309758	1.309758	FALSE	1.8001314	8.11129	FALSE	876.07	280	0.03228	0.0000406						
5475604174720	547560	4174720	8.112927	8.112927	1.352657	1.352657	FALSE	1.85909178	8.112927	FALSE	860.77	280	0.03228	0.0000406						
5475804174720	547580	4174720	8.112631	8.112631	1.311299	1.311299	FALSE	1.80224935	8.112631	FALSE	845.67	280	0.03228	0.0000406						
5476004174720	547600	4174720	8.11618	8.11618	1.399042	1.399042	FALSE	1.92284332	8.11618	FALSE	830.78	280	0.03228	0.0000406						
5476204174720	547620	4174720	8.121713	8.121713	1.54433	1.54433	FALSE	2.12252715	8.121713	FALSE	816.11	280	0.03228	0.0000406						
5476404174720	547640	4174720	8.129562	8.129562	1.734518	1.734518	FALSE	2.38392154	8.129562	FALSE	801.66	280	0.03228	0.0000406						
5476604174720	547660	4174720	8.140056	8.140056	1.953462	1.953462	FALSE	2.68483817	8.140056	FALSE	787.46	280	0.03228	0.0000406						
5476804174720	547680	4174720	8.137493	8.137493	1.928747	1.928747	FALSE	2.65086988	8.137493	FALSE	773.52	280	0.03228	0.0000406						
5477004174720	547700	4174720	8.135278	8.135278	1.913046	1.913046	FALSE	2.62929042	8.135278	FALSE	759.84	280	0.03228	0.0000406						
5477204174720	547720	4174720	8.135841	8.135841	1.956798	1.956798	FALSE	2.68942317	8.135841	FALSE	746.46	280	0.03228	0.0000406						
5477404174720	547740	4174720	8.138525	8.138525	2.05143	2.05143	FALSE	2.81948539	8.138525	FALSE	733.37	280	0.03228	0.0000406						
5477604174720	547760	4174720	8.140289	8.140289	2.109846	2.109846	FALSE	2.89977234	8.140289	FALSE	720.60	280	0.03228	0.0000406						
5477804174720	547780	4174720	8.141939	8.141939	2.164895	2.164895	FALSE	2.97543169	8.141939	FALSE	708.16	280	0.03228	0.0000406						
5478004174720	547800	4174720	8.143186	8.143186	2.201839	2.201839	FALSE	3.02620752	8.143186	FALSE	696.08	280	0.03228	0.0000406						
5478204174720	547820	4174720	8.142719	8.142719	2.183903	2.183903	FALSE	3.00155628	8.142719	FALSE	684.37	280	0.03228	0.0000406						
5478404174720	547840	4174720	8.144791	8.144791	2.230207	2.230207	FALSE	3.0651965	8.144791	FALSE	673.05	280	0.03228	0.0000406						
5478604174720	547860	4174720	8.145864	8.145864	2.243591	2.243591	FALSE	3.08359147	8.145864	FALSE	662.14	280	0.03228	0.0000406						
5478804174720	547880	4174720	8.151329	8.151329	2.364226	2.364226	FALSE	3.24939221	8.151329	FALSE	651.66	280	0.03228	0.0000406						
5479004174720	547900	4174720	8.16092	8.16092	2.563231	2.563231	FALSE	3.52290469	8.16092	FALSE	641.64	280	0.03228	0.0000406						
5479204174720	547920	4174720	8.184659	8.184659	3.047665	3.047665	FALSE	4.18871078	8.184659	FALSE	632.08	280	0.03228	0.0000406						
5479404174720	547940	4174720	8.23587	8.23587	4.080324	4.080324	FALSE	5.60799731	8.23587	FALSE	623.03	280	0.03228	0.0000406						
5479604174720	547960	4174720	8.172164	8.172164	2.797299	2.797299	FALSE	3.84460775	8.172164	FALSE	614.49	280	0.03228	0.0000406						
5479804174720	547980	4174720	8.153935	8.153935	2.385932	2.385932	FALSE	3.27922494	8.153935	FALSE	606.49	280	0.03228	0.0000406						
5480004174720	548000	4174720	8.147405	8.147405	2.255969	2.255969	FALSE	3.10060379	8.147405	FALSE	599.05	280	0.03228	0.0000406						
5480204174720	548020	4174720	8.143588	8.143588	2.185315	2.185315	FALSE	3.00349694	8.143588	FALSE	592.20	280	0.03228	0.0000406						
5480404174720	548040	4174720	8.141536	8.141536	2.156493	2.156493	FALSE	2.96388398	8.141536	FALSE	585.94	280	0.03228	0.0000406						
5480604174720	548060	4174720	8.140182	8.140182	2.135017	2.135017	FALSE	2.93436736	8.140182	FALSE	580.31	280	0.03228	0.0000406						
5480804174720	548080	4174720	8.140609	8.140609	2.156645	2.156645	FALSE	2.96409289	8.140609	FALSE	575.32	280	0.03228	0.0000406						
5481004174720	548100	4174720	8.144893	8.144893	2.257631	2.257631	FALSE	3.10288805	8.144893	FALSE	570.99	280	0.03228	0.0000406						
5481204174720	548120	4174720	8.151813	8.151813	2.415685	2.415685	FALSE	3.32011746	8.151813	FALSE	567.33	280	0.03228	0.0000406						
5481404174720	548140	4174720	8.141711	8.141711	2.223009	2.223009	FALSE	3.05530357	8.141711	FALSE	564.35	280	0.03228	0.0000406						
5481604174720	548160	4174720	8.142209	8.142209	2.265548	2.265548	FALSE	3.11376917	8.142209	FALSE	562.08	280	0.03228	0.0000406						
5481804174720	548180	4174720	8.137041	8.137041	2.248472	2.248472	FALSE	3.09029992	8.137041	FALSE	560.50	280	0.03228	0.0000406						
5482004174720	548200	4174720	8.140572	8.140572	2.364646	2.364646	FALSE	3.24996946	8.140572	FALSE	559.64	280	0.03228	0.0000406						
5482204174720	548220	4174720	8.15642	8.15642	2.750321	2.750321	FALSE	3.78004118	8.15642	FALSE	559.49	280	0.03228	0.0000406						
5482404174720	548240	4174720	8.167947	8.167947	3.092829	3.092829	FALSE	4.25078418	8.167947	FALSE	560.05	280	0.03228	0.0000406						
5482604174720	548260	4174720	8.169488	8.169488	3.253464	3.253464	FALSE	4.47156092	8.169488	FALSE	561.33	280	0.03228	0.0000406						
5482804174720	548280	4174720	8.177308	8.177308	3.550474	3.550474	FALSE	4.87977147	8.177308	FALSE	563.32	280	0.03228	0.0000406						
5483004174720	548300	4174720	8.179818	8.179818	3.662533	3.662533	FALSE	5.03378536	8.179818	FALSE	566.00	280	0.03228	0.0000406						
5483204174720	548320	4174720	8.183977	8.183977	3.822716	3.822716	FALSE	5.25394087	8.183977	FALSE	569.38	280	0.03228	0.0000406						
5483404174720	548340	4174720	8.188978	8.188978	4.001609	4.001609	FALSE	5.49981141	8.188978	FALSE	573.44	280	0.03228	0.0000406						
5483604174720	548360	4174720	8.194073	8.194073	4.184987	4.184987	FALSE	5.75184613	8.194073	FALSE	578.15	280	0.03228	0.0000406						
5483804174720	548380	4174720	8.201368	8.201368	4.44044	4.44044	FALSE	6.10294074	8.201368	FALSE	583.52	280	0.03228	0.0000406						
5484004174720	548400	4174720	8.211857	8.211857	4.793721	4.793721	FALSE	6.58849014	8.211857	FALSE	589.51	280	0.03228	0.0000406						
5484204174720	548420	4174720	8.227688	8.227688	5.292752	5.292752	FALSE	7.27435835	8.227688	FALSE	596.12	280	0.03228	0.0000406						
5484404174720	548440	4174720	8.237818	8.237818	5.633494	5.633494	FALSE	7.74267415	8.237818	FALSE	603.32	280	0.03228	0.0000406						
5484604174720	548460	4174720	8.258323	8.258323	6.28697	6.28697	TRUE	8.64081157	8.258323	TRUE	611.09	280	0.03228	0.0000406						
5484804174720	548480	4174720	8.292874	8.292874	7.37001	7.37001	TRUE	10.1293417	8.292874	TRUE	619.40	280	0.03228	0.0000406						
5485004174720	548500	4174720	8.344808	8.344808	8.936404	8.936404	TRUE	12.2821937	8.344808	TRUE	628.25	280	0.03228	0.0000406						
5485204174720	548520	4174720	8.423915	8.423915	11.22886	11.22886	TRUE	15.4329383	8.423915	TRUE	637.60	280	0.03228	0.0000406						
5485404174720	548540	4174720	8.503119	8.503119	13.43473	13.43473	FALSE	18.4646957	8.503119	FALSE	647.43	280	0.03228	0.0000406						
5485604174720	548560	4174720	8.678207	8.678207	18.21541	18.21541	TRUE	25.035254	8.678207	TRUE	657.72	280	0.03228	0.0000406						
5485804174720	548580	4174720	9.094923	9.094923	29.4877	29.4877	FALSE	40.5278935	9.094923	FALSE	668.45	280	0.03228	0.0000406						
															548680	4175640	APEZ	HWY 500		
															548700	4175640		HWY 500		
															548720	4175640		HWY 500		
															548740	4175640		HWY 500		
															548760	4175640		HWY 500		
															548780	4175640		HWY 500		
															548800	4175640		HWY 500		
															548820	4175640	APEZ	HWY 500		
															548840	4175640	APEZ	HWY 500	I-280	
															548860	4175640	APEZ	HWY 500	I-280	
															548880	4175640	APEZ	HWY 500	I-280	
															548900	4175640	APEZ	HWY 500		
															548920	4175640	APEZ	HWY 500		
															548940	4175640		HWY 500		
															548960	4175640		HWY 500		
															548980	4175640		HWY 500		
															549000	4175640		HWY 500		
															549020	4175640		HWY 500		
															549040	4175640		HWY 500		
															549060	4175640		HWY 500		
															549080	4175640		HWY 500		
															548680	4175660	APEZ			
															548700	4175660	APEZ	HWY 500		
															548720	4175660	APEZ	HWY 500		
															548740	4175660	APEZ	HWY 500		
															548760	4175660	APEZ	HWY 500		
															548780	4175660		HWY 500		
															548800	4175660	APEZ	HWY 500		
															548820	4175660	APEZ	HWY 500		
															548840	4175660	APEZ	HWY 500		
															548860	4175660	APEZ	HWY 500	I-280	
															548880	4175660	APEZ	HWY 500	I-280	
															548900	4175660	APEZ	HWY 500	I-280	
															548920	4175660	APEZ	HWY 500		
															548940	4175660	APEZ	HWY 500		
															548960	4175660	APEZ	HWY 500		
															548980	4175660	APEZ	HWY 500		
															549000	4175660	APEZ	HWY 500		
															549020	4175660	APEZ	HWY 500		
															549040	4175660		HWY 500		
															549060	4175660	APEZ	HWY 500		
															549080	4175660	APEZ	HWY 500		
															549100	4175660	APEZ	HWY 500		
															549120	4175660	APEZ			
															548700	4175680	APEZ	HWY 500		
															548720	4175680	APEZ	HWY 500		
															548740	4175680	APEZ	HWY 500		
															548760	4175680	APEZ	HWY 500		
															548780	4175680	APEZ	HWY 500		
															548800	4175680	APEZ	HWY 500		
															548820	4175680	APEZ	HWY 500		
															548840	4175680	APEZ	HWY 500		
															548860	4175680	APEZ	HWY 500		
															548880	4175680	APEZ	HWY 500	I-280	
															548900	4175680	APEZ	HWY 500	I-280	
															548920	4175680	APEZ	HWY 500	I-280	
															548940	4175680		HWY 500		
															548960	4175680	APEZ	HWY 500		
															548980	4175680		HWY 500		
															549000	4175680	APEZ	HWY 500		
															549020	4175680	APEZ	HWY 500		
															549040	4175680		HWY 500		
															549060	4175680	APEZ	HWY 500		
															549080	4175680	APEZ	HWY 500		
															549100	4175680	APEZ	HWY 500		
															549120	4175680	APEZ	HWY 500		
															548740	4175700	APEZ	HWY 500		
															548760	4175700	APEZ	HWY 500		
															548780	4175700	APEZ	HWY 500		
															548800	4175700	APEZ	HWY 500		
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															548840	4175700	APEZ	HWY 500		
															548860	4175700	APEZ	HWY 500		
															548880	4175700	APEZ	HWY 500		
															548900	4175700	APEZ	HWY 500	I-280	
															548920	4175700	APEZ	HWY 500	I-280	
															548940	4175700	APEZ	HWY 500	I-280	
															548960	4175700	APEZ	HWY 500		
															548980	4175700	APEZ	HWY 500		
															549000	4175700		HWY 500		
															549020	4175700		HWY 500		
															549040	4175700	APEZ	HWY 500		
															549060	4175700		HWY 500		
															549080	4175700	APEZ	HWY 500		
															549100	4175700	APEZ	HWY 500		
															549120	4175700	APEZ	HWY 500		
															548740	4175720		HWY 500		
															548760	4175720		HWY 500		
															548780	4175720		HWY 500		
															548800	4175720		HWY 500		
															548820	4175720		HWY 500		
															548840	4175720		HWY 500		

5486004174720	548600	4174720	9.555193	9.555193	42.54279	42.54279	FALSE	58.4708065	9.555193	FALSE	679.60	280	0.03228	0.0000406							
5486204174720	548620	4174720	9.747017	9.747017	49.18933	49.18933	FALSE	67.6058097	9.747017	FALSE	691.15	280	0.03228	0.0000406							
5486404174720	548640	4174720	9.607352	9.607352	47.23336	47.23336	FALSE	64.9175286	9.607352	FALSE	703.08	280	0.03228	0.0000406							
5486604174720	548660	4174720	9.373689	9.373689	42.82182	42.82182	TRUE	58.8543149	9.373689	TRUE	715.37	280	0.03228	0.0000406							
5486804174720	548680	4174720	9.14629	9.14629	34.72327	34.72327	TRUE	47.7236595	9.14629	TRUE	728.01	280	0.03228	0.0000406							
5487004174720	548700	4174720	8.996823	8.996823	30.10345	30.10345	TRUE	41.3741858	8.996823	TRUE	740.96	280	0.03228	0.0000406							
5487204174720	548720	4174720	8.89538	8.89538	27.3695	27.3695	TRUE	37.6166422	8.89538	TRUE	754.23	280	0.03228	0.0000406							
5487404174720	548740	4174720	8.825828	8.825828	25.92428	25.92428	TRUE	35.6303318	8.825828	TRUE	767.79	280	0.03228	0.0000406							
5487604174720	548760	4174720	8.784174	8.784174	25.79501	25.79501	FALSE	35.4526604	8.784174	FALSE	781.62	280	0.03228	0.0000406							
5487804174720	548780	4174720	8.770204	8.770204	27.21934	27.21934	FALSE	37.4102581	8.770204	FALSE	795.71	280	0.03228	0.0000406							
5488004174720	548800	4174720	8.790123	8.790123	31.04538	31.04538	FALSE	42.6687703	8.790123	FALSE	810.06	280	0.03228	0.0000406							
5488204174720	548820	4174720	8.803216	8.803216	33.65417	33.65417	FALSE	46.2542954	8.803216	FALSE	824.64	280	0.03228	0.0000406							
5488404174720	548840	4174720	8.722145	8.722145	28.08393	28.08393	FALSE	38.598552	8.722145	FALSE	839.44	280	0.03228	0.0000406							
5488604174720	548860	4174720	8.689786	8.689786	26.42794	26.42794	FALSE	36.3225566	8.689786	FALSE	854.46	280	0.03228	0.0000406							
5488804174720	548880	4174720	8.68796	8.68796	27.15053	27.15053	FALSE	37.3156816	8.68796	FALSE	869.67	280	0.03228	0.0000406							
5489004174720	548900	4174720	8.681978	8.681978	27.18516	27.18516	FALSE	37.363288	8.681978	FALSE	885.08	280	0.03228	0.0000406							
5489204174720	548920	4174720	8.645371	8.645371	24.65482	24.65482	FALSE	33.8855805	8.645371	FALSE	900.66	280	0.03228	0.0000406							
5471804174740	547180	4174740	8.140809	8.140809	2.10618	2.10618	FALSE	2.89473379	8.140809	FALSE	1166.41	280	0.03228	0.0000406							
5472004174740	547200	4174740	8.142657	8.142657	2.091967	2.091967	FALSE	2.87519944	8.142657	FALSE	1148.72	280	0.03228	0.0000406							
5472204174740	547220	4174740	8.130353	8.130353	1.825245	1.825245	FALSE	2.50861673	8.130353	FALSE	1131.10	280	0.03228	0.0000406							
5472404174740	547240	4174740	8.122585	8.122585	1.64297	1.64297	FALSE	2.25809797	8.122585	FALSE	1113.56	280	0.03228	0.0000406							
5472604174740	547260	4174740	8.117206	8.117206	1.534634	1.534634	FALSE	2.10920097	8.117206	FALSE	1096.11	280	0.03228	0.0000406							
5472804174740	547280	4174740	8.112387	8.112387	1.40862	1.40862	FALSE	1.93600733	8.112387	FALSE	1078.74	280	0.03228	0.0000406							
5473004174740	547300	4174740	8.109196	8.109196	1.307024	1.307024	FALSE	1.79637379	8.109196	FALSE	1061.47	280	0.03228	0.0000406							
5473204174740	547320	4174740	8.107032	8.107032	1.24245	1.24245	FALSE	1.70762328	8.107032	FALSE	1044.29	280	0.03228	0.0000406							
5473404174740	547340	4174740	8.105638	8.105638	1.211934	1.211934	FALSE	1.66568209	8.105638	FALSE	1027.22	280	0.03228	0.0000406							
5473604174740	547360	4174740	8.104344	8.104344	1.1796	1.1796	FALSE	1.62124224	8.104344	FALSE	1010.26	280	0.03228	0.0000406							
5473804174740	547380	4174740	8.104383	8.104383	1.180204	1.180204	FALSE	1.62207238	8.104383	FALSE	993.40	280	0.03228	0.0000406							
5474004174740	547400	4174740	8.104152	8.104152	1.174886	1.174886	FALSE	1.61476332	8.104152	FALSE	976.67	280	0.03228	0.0000406							
5474204174740	547420	4174740	8.104526	8.104526	1.186799	1.186799	FALSE	1.63113655	8.104526	FALSE	960.06	280	0.03228	0.0000406							
5474404174740	547440	4174740	8.105538	8.105538	1.216086	1.216086	FALSE	1.6713886	8.105538	FALSE	943.58	280	0.03228	0.0000406							
5474604174740	547460	4174740	8.106398	8.106398	1.231379	1.231379	FALSE	1.6924073	8.106398	FALSE	927.25	280	0.03228	0.0000406							
5474804174740	547480	4174740	8.107743	8.107743	1.261376	1.261376	FALSE	1.73363517	8.107743	FALSE	911.05	280	0.03228	0.0000406							
5475004174740	547500	4174740	8.109454	8.109454	1.280278	1.280278	FALSE	1.75961408	8.109454	FALSE	895.01	280	0.03228	0.0000406							
5475204174740	547520	4174740	8.11076	8.11076	1.29262	1.29262	FALSE	1.77657693	8.11076	FALSE	879.14	280	0.03228	0.0000406							
5475404174740	547540	4174740	8.113021	8.113021	1.352596	1.352596	FALSE	1.85900794	8.113021	FALSE	863.43	280	0.03228	0.0000406							
5475604174740	547560	4174740	8.114671	8.114671	1.396838	1.396838	FALSE	1.91981415	8.114671	FALSE	847.91	280	0.03228	0.0000406							
5475804174740	547580	4174740	8.114437	8.114437	1.358633	1.358633	FALSE	1.8673052	8.114437	FALSE	832.58	280	0.03228	0.0000406							
5476004174740	547600	4174740	8.118593	8.118593	1.464489	1.464489	FALSE	2.01279368	8.118593	FALSE	817.45	280	0.03228	0.0000406							
5476204174740	547620	4174740	8.126299	8.126299	1.667535	1.667535	FALSE	2.2918601	8.126299	FALSE	802.53	280	0.03228	0.0000406							
5476404174740	547640	4174740	8.134812	8.134812	1.875147	1.875147	FALSE	2.57720204	8.134812	FALSE	787.84	280	0.03228	0.0000406							
5476604174740	547660	4174740	8.147131	8.147131	2.141371	2.141371	FALSE	2.9431003	8.147131	FALSE	773.38	280	0.03228	0.0000406							
5476804174740	547680	4174740	8.147996	8.147996	2.206065	2.206065	FALSE	3.03201574	8.147996	FALSE	759.18	280	0.03228	0.0000406							
5477004174740	547700	4174740	8.143399	8.143399	2.139545	2.139545	FALSE	2.94059065	8.143399	FALSE	745.24	280	0.03228	0.0000406							
5477204174740	547720	4174740	8.143627	8.143627	2.177508	2.177508	FALSE	2.992767	8.143627	FALSE	731.59	280	0.03228	0.0000406							
5477404174740	547740	4174740	8.14688	8.14688	2.29108	2.29108	FALSE	3.14886035	8.14688	FALSE	718.23	280	0.03228	0.0000406							
5477604174740	547760	4174740	8.145245	8.145245	2.251335	2.251335	FALSE	3.09423482	8.145245	FALSE	705.18	280	0.03228	0.0000406							
5477804174740	547780	4174740	8.145137	8.145137	2.255661	2.255661	FALSE	3.10018048	8.145137	FALSE	692.47	280	0.03228	0.0000406							
5478004174740	547800	4174740	8.146438	8.146438	2.294045	2.294045	FALSE	3.15293545	8.146438	FALSE	680.11	280	0.03228	0.0000406							
5478204174740	547820	4174740	8.148304	8.148304	2.342758	2.342758	FALSE	3.2198866	8.148304	FALSE	668.12	280	0.03228	0.0000406							
5478404174740	547840	4174740	8.152097	8.152097	2.437449	2.437449	FALSE	3.35002991	8.152097	FALSE	656.52	280	0.03228	0.0000406							
5478604174740	547860	4174740	8.154133	8.154133	2.476058	2.476058	FALSE	3.40309412	8.154133	FALSE	645.33	280	0.03228	0.0000406							
5478804174740	547880	4174740	8.159718	8.159718	2.599927	2.599927	FALSE	3.57333967	8.159718	FALSE	634.57	280	0.03228	0.0000406							
5479004174740	547900	4174740	8.169089	8.169089	2.790442	2.790442	FALSE	3.83518348	8.169089	FALSE	624.27	280	0.03228	0.0000406							
5479204174740	547920	4174740	8.192109	8.192109	3.250051	3.250051	FALSE	4.46687009	8.192109	FALSE	614.45	280	0.03228	0.0000406							
5479404174740	547940	4174740	8.218799	8.218799	3.782813	3.782813	FALSE	5.19909819	8.218799	FALSE	605.13	280	0.03228	0.0000406							
5479604174740	547960	4174740	8.175048	8.175048	2.890877	2.890877	FALSE	3.97322135	8.175048	FALSE	596.34	280	0.03228	0.0000406							
5479804174740	547980	4174740	8.15679	8.15679	2.472238	2.472238	FALSE	3.39784391	8.15679	FALSE	588.09	280	0.03228	0.0000406							
5480004174740	548000	4174740	8.150399	8.150399	2.343855	2.343855	FALSE	3.22139431	8.150399	FALSE	580.42	280	0.03228	0.0000406							
5480204174740	548020	4174740	8.147683	8.147683	2.301462	2.301462	FALSE	3.16312937	8.147683	FALSE	573.34	280	0.03228	0.0000406							
5480404174740	548040	4174740	8.147545	8.147545	2.325203	2.325203	FALSE	3.195759	8.147545	FALSE	566.88	280	0.03228	0.0000406							
5480604174740	548060	4174740	8.14446	8.14446	2.254129	2.254129	FALSE	3.0980749	8.14446	FALSE	561.06	280	0.03228	0.0000406							
5480804174740	548080	4174740	8.143584	8.143584	2.2399	2.2399	FALSE	3.07851856	8.143584	FALSE	555.89	280	0.03228	0.0000406							
5481004174740	548100	4174740	8.146803	8.146803	2.313489	2.313489	FALSE	3.17965928	8.146803	FALSE	551.41	280	0.03228	0.0000406							
5481204174740	548120	4174740	8.150787	8.150787	2.410636	2.410636	FALSE	3.31317812	8.150787	FALSE	547.62	280	0.03228	0.0000406							
5481404174740	548140	4174740	8.143161	8.143161	2.267374	2.267374	FALSE	3.11627883	8.143161	FALSE	544.53	280	0.03228	0.0000406							
5481604174740	548160	4174740	8.142937	8.142937	2.290551	2.290551	FALSE	3.14813329	8.142937	FALSE	542.17	280	0.03228	0.0000406							
5481804174740	548180	4174740	8.139065	8.139065	2.31552	2.31552	FALSE	3.18245069	8.139065	FALSE	540.54	280	0.03228	0.0000406							
5482004174740	548200	4174740	8.14033	8.14033	2.378906	2.378906	FALSE	3.26956841	8.14033	FALSE	539.64	280	0.03228	0.0000406							
5482204174740	548220	4174740	8.145383	8.145383	2.512376	2.512376	FALSE	3.45300957	8.145383	FALSE	539.49	280	0.03228	0.0000406							
5482404174740	548240	4174740	8.169235	8.169235	3.074798	3.074798	FALSE	4.22600237	8.169235	FALSE	540.08	280	0.03228	0.0000406							
5482604174740	548260	4174740	8.174282	8.174282	3.279696	3.279696	FALSE	4.50761418	8.174282	FALSE	541.40	280	0.03228	0.0000406							
5482804174740	548280	4174740	8.17635	8.17635	3.434901	3.434901	FALSE	4.72092793	8.17635	FALSE	543.46	280	0.03228	0.0000406							
5483004174740	548300	4174740	8.179967	8.179967	3.627818	3.627818	FALSE	4.98607306	8.179967	FALSE	546.24	280	0.03228	0.0000406							
5483204174740	548320	4174740	8.186561	8.186561	3.882	3.882	FALSE	5.3354208	8.186561	FALSE	549.74	280	0.03228	0.0000406							
5483404174740	548340	4174740	8.193198	8.193198	4.119988	4.119988	FALSE	5.66251151	8.193198	FALSE	553.94	280	0.03228	0.0000406							
5483604174740	548360	4174740	8.198084	8.198084	4.301531	4.301531	FALSE	5.91202421	8.198084	FALSE	558.82	280	0.03228	0.0000406							
5483804174740	548380	4174740	8.205302	8.205302	4.553324	4.553324	FALSE	6.25808851	8.205302	FALSE	564.37	280	0.03228	0.0000406							
5484004174740	548400	4174740	8.215961	8.215961	4.913558	4.913558	FALSE	6.75319412	8.215961	FALSE	570.57	280	0.03228	0.0000406							
5484204174740	548420	4174740	8.228732	8.228732	5.33387	5.33387	FALSE	7.33087093	8.228732	FALSE	577.39	280	0.03228	0.0000406							
5484404174740	548440	4174740	8.253158	8.253158	6.094211	6.094211	FALSE	8.3758836	8.253158	FALSE	584.82	280	0.03228	0.0000406							
5484604174740	548460	4174740	8.269512	8.269512	6.630773	6.630773	FALSE	9.11333441	8.269512	FALSE	592.83	280	0.03228	0.0000406							
5484804174740	548480	4174740	8.298255	8.298255	7.522942	7.522942	TRUE	10.3395315	8.298255	TRUE	601.40	280	0.03228	0.0000406							
5485004174740	548500	4174740	8.347589	8.347589	8.99922	8.99922	TRUE	12.368528	8.347589	TRUE	610.50	280	0.03228	0.0000406							
5485204174740	548520	4174740	8.432024	8.432024	11.41905	11.41905	TRUE	15.6943478	8.432024	TRUE	620.12	280	0.03228	0.0000406							
5485404174740	548540	4174740	8.53652	8.53652	14.24476	14.24476	FALSE	19.5779954	8.53652	FALSE	630.22	280	0.03228	0.0000406							
5485604174740	548560	4174740	8.730044	8.730044	19.5727	19.5727	FALSE	26.9007216	8.730044	FALSE	640.79	280	0.03228	0.0000406							
5485804174740	548580	4174740	9.168425	9.168425	31.9587	31.9587	FALSE	43.9240304	9.168425	FALSE	651.80	280	0.03228	0.0000406							
5486004174740	548600	4174740	9.633037	9.633037	45.1631	45.1631	FALSE	62.0721701	9.633037	FALSE	663.24	280	0.03228	0.0000406							
5486204174740	548620	4174740	9.664811	9.664811	47.21801	47.21801	FALSE	64.8964371	9.664811	FALSE	675.07	280	0.03228	0.0000406							
5486404174740	548640	4174740	9.555899	9.555899	47.11689	47.11689	FALSE	64.7574564	9.555899	FALSE	687.28	280	0.03228	0.0000406							
5486604174740	548660	4174740	9.459279	9.459279	49.32738	49.32738	TRUE	67.7955524	9.459279	TRUE	699.84	280	0.03228	0.0000406							
5486804174740	548680	4174740	9.194237	9.194237	37.15306	37.15306	TRUE	51.0631698	9.194237	TRUE	712.75	280	0.03228	0.0000406							
5487004174740	548700	4174740	9.034949	9.034949	31.67926	31.67926	TRUE	43.5399777	9.034949	TRUE	725.98	280	0.03228	0.0000406							
															548860	4175720		HWY 500			
															548880	4175720		HWY 500			
															548900	4175720		HWY 500			
															548920	4175720		HWY 500		I-280	
															548940	4175720	APEZ	HWY 500		I-280	
															548960	4175720	APEZ	HWY 500		I-280	
															548980	4175720	APEZ	HWY 500			
															549000	4175720	APEZ	HWY 500			
															549020	4175720	APEZ	HWY 500			
															549040	4175720	APEZ	HWY 500			
															549060	4175720		HWY 500			
															549080	4175720	APEZ	HWY 500			
															549100	4175720	APEZ	HWY 500			
															549120	4175720	APEZ	HWY 500			
															548740	4175740	APEZ	HWY 500			
															548760	4175740	APEZ	HWY 500			
															548780	4175740	APEZ	HWY 500			
															548800	4175740	APEZ	HWY 500			
															548820	4175740	APEZ	HWY 500			
															548840	4175740	APEZ	HWY 500			
															548860	4175740	APEZ	HWY 500			
															548880	4175740	APEZ	HWY 500			
															548900	4175740	APEZ	HWY 500			
															548920	4175740	APEZ	HWY 500			
															548940	4175740	APEZ	HWY 500			
															548960	4175740	APEZ	HWY 500			
															548780	4175760	APEZ	HWY 500			
															548800	4175760	APEZ	HWY 500			
															548820	4175760	APEZ	HWY 500			
															548840	4175760	APEZ	HWY 500			
															548860	4175760	APEZ	HWY 500			
															548880	4175760	APEZ	HWY 500			
															548900	4175760	APEZ	HWY 500			
															548920	4175760	APEZ	HWY 500			
															548940	4175760	APEZ	HWY 500			
															548960	4175760	APEZ	HWY 500		I-280	
															548980	4175760	APEZ	HWY 500		I-280	
															549000	4175760	APEZ	HWY 500		I-280	
															549020	4175760	APEZ	HWY 500			
															549040	4175760	APEZ	HWY 500			
															549060	4175760	APEZ	HWY 500			
															549080	4175760		HWY 500			
															549100	4175760	APEZ	HWY 500			
															549120	4175760	APEZ	HWY 500			
															548780	4175780	APEZ	HWY 500			
															548800	4175780	APEZ	HWY 500			
															548820	4175780	APEZ	HWY 500			
															548840	4175780	APEZ	HWY 500			
															548860	4175780	APEZ	HWY 500			
															548880	4175780	APEZ	HWY 500			
															548900	4175780	APEZ	HWY 500			
															548920	4175780	APEZ	HWY 500			
															548940	4175780	APEZ	HWY 500			
															548960	4175780	APEZ	HWY 500			
															548980	4175780		HWY 500		I-280	
															549000	4175780	APEZ	HWY 500		I-280	
															549020	4175780	APEZ	HWY 500		I-280	
															548780	4175800	APEZ				
															548800	4175800	APEZ	HWY 500			
															548820	4175800	APEZ	HWY 500			
															548840	4175800	APEZ	HWY 500			
															548860	4175800	APEZ	HWY 500			
															548880	4175800	APEZ	HWY 500			
															548900	4175800	APEZ	HWY 500			
															548920	4175800	APEZ	HWY 500			
															548940	4175800	APEZ	HWY 500			
															548960	4175800	APEZ	HWY 500			
															548980	4175800		HWY 500			
															549000	4175800		HWY 500		I-280	
															549020	4175800	APEZ	HWY 500		I-280	
															549040	4175800	APEZ	HWY 500		I-280	
															549060	4175800		HWY 500			
															549080	4175800	APEZ	HWY 500			
															549100	4175800		HWY 500			
															549120	4175800		HWY 500			
															548820	4175820		HWY 500			
															548840	4175820		HWY 500			
															548860	4175820		HWY 500			
															548880	4175820		HWY 500			

5487204174740	548720	4174740	8.919242	8.919242	28.31946	28.31946	FALSE	38.9222603	8.919242	FALSE	739.51	280	0.03228	0.0000406							
5487404174740	548740	4174740	8.844548	8.844548	26.51858	26.51858	TRUE	36.4471322	8.844548	TRUE	753.34	280	0.03228	0.0000406							
5487604174740	548760	4174740	8.792239	8.792239	25.53606	25.53606	TRUE	35.096754	8.792239	TRUE	767.43	280	0.03228	0.0000406							
5487804174740	548780	4174740	8.768598	8.768598	26.33153	26.33153	TRUE	36.190059	8.768598	TRUE	781.78	280	0.03228	0.0000406							
5488004174740	548800	4174740	8.776714	8.776714	29.24373	29.24373	FALSE	40.192577	8.776714	FALSE	796.38	280	0.03228	0.0000406							
5488204174740	548820	4174740	8.763524	8.763524	29.72878	29.72878	FALSE	40.8592394	8.763524	FALSE	811.20	280	0.03228	0.0000406							
5488404174740	548840	4174740	8.770365	8.770365	31.70267	31.70267	FALSE	43.5721455	8.770365	FALSE	826.25	280	0.03228	0.0000406							
5488604174740	548860	4174740	8.744151	8.744151	30.56707	30.56707	FALSE	42.0113796	8.744151	FALSE	841.50	280	0.03228	0.0000406							
5488804174740	548880	4174740	8.714389	8.714389	28.70311	28.70311	FALSE	39.4495585	8.714389	FALSE	856.94	280	0.03228	0.0000406							
5489004174740	548900	4174740	8.670303	8.670303	25.64028	25.64028	FALSE	35.2399981	8.670303	FALSE	872.57	280	0.03228	0.0000406							
5489204174740	548920	4174740	8.647929	8.647929	24.19348	24.19348	FALSE	33.251523	8.647929	FALSE	888.38	280	0.03228	0.0000406							
5489404174740	548940	4174740	8.636261	8.636261	23.5022	23.5022	FALSE	32.3014209	8.636261	FALSE	904.35	280	0.03228	0.0000406							
5471604174760	547160	4174760	8.150467	8.150467	2.393832	2.393832	FALSE	3.2900827	8.150467	FALSE	1175.21	280	0.03228	0.0000406							
5471804174760	547180	4174760	8.147953	8.147953	2.296542	2.296542	FALSE	3.15636732	8.147953	FALSE	1157.30	280	0.03228	0.0000406							
5472004174760	547200	4174760	8.146539	8.146539	2.208019	2.208019	FALSE	3.03470131	8.146539	FALSE	1139.46	280	0.03228	0.0000406							
5472204174760	547220	4174760	8.136377	8.136377	1.987693	1.987693	FALSE	2.73188526	8.136377	FALSE	1121.70	280	0.03228	0.0000406							
5472404174760	547240	4174760	8.128532	8.128532	1.804273	1.804273	FALSE	2.47979281	8.128532	FALSE	1104.01	280	0.03228	0.0000406							
5472604174760	547260	4174760	8.123358	8.123358	1.703711	1.703711	FALSE	2.3415804	8.123358	FALSE	1086.40	280	0.03228	0.0000406							
5472804174760	547280	4174760	8.11791	8.11791	1.556486	1.556486	FALSE	2.13923436	8.11791	FALSE	1068.88	280	0.03228	0.0000406							
5473004174760	547300	4174760	8.114364	8.114364	1.445642	1.445642	FALSE	1.98689036	8.114364	FALSE	1051.45	280	0.03228	0.0000406							
5473204174760	547320	4174760	8.111908	8.111908	1.373226	1.373226	FALSE	1.88736181	8.111908	FALSE	1034.11	280	0.03228	0.0000406							
5473404174760	547340	4174760	8.109835	8.109835	1.324336	1.324336	FALSE	1.8201674	8.109835	FALSE	1016.86	280	0.03228	0.0000406							
5473604174760	547360	4174760	8.108168	8.108168	1.281421	1.281421	FALSE	1.76118502	8.108168	FALSE	999.72	280	0.03228	0.0000406							
5473804174760	547380	4174760	8.108149	8.108149	1.280492	1.280492	FALSE	1.7599082	8.108149	FALSE	982.69	280	0.03228	0.0000406							
5474004174760	547400	4174760	8.107905	8.107905	1.275292	1.275292	FALSE	1.75276132	8.107905	FALSE	965.77	280	0.03228	0.0000406							
5474204174760	547420	4174760	8.10816	8.10816	1.284526	1.284526	FALSE	1.76545253	8.10816	FALSE	948.97	280	0.03228	0.0000406							
5474404174760	547440	4174760	8.10893	8.10893	1.30764	1.30764	FALSE	1.79722042	8.10893	FALSE	932.29	280	0.03228	0.0000406							
5474604174760	547460	4174760	8.110023	8.110023	1.329714	1.329714	FALSE	1.82755892	8.110023	FALSE	915.75	280	0.03228	0.0000406							
5474804174760	547480	4174760	8.111495	8.111495	1.362818	1.362818	FALSE	1.87305706	8.111495	FALSE	899.36	280	0.03228	0.0000406							
5475004174760	547500	4174760	8.113108	8.113108	1.378795	1.378795	FALSE	1.89501585	8.113108	FALSE	883.10	280	0.03228	0.0000406							
5475204174760	547520	4174760	8.115193	8.115193	1.412873	1.412873	FALSE	1.94185265	8.115193	FALSE	867.01	280	0.03228	0.0000406							
5475404174760	547540	4174760	8.118041	8.118041	1.490193	1.490193	FALSE	2.04812126	8.118041	FALSE	851.08	280	0.03228	0.0000406							
5475604174760	547560	4174760	8.119825	8.119825	1.538565	1.538565	FALSE	2.11460374	8.119825	FALSE	835.33	280	0.03228	0.0000406							
5475804174760	547580	4174760	8.120627	8.120627	1.527866	1.527866	FALSE	2.09989903	8.120627	FALSE	819.76	280	0.03228	0.0000406							
5476004174760	547600	4174760	8.125124	8.125124	1.643942	1.643942	FALSE	2.25943388	8.125124	FALSE	804.39	280	0.03228	0.0000406							
5476204174760	547620	4174760	8.132083	8.132083	1.828216	1.828216	FALSE	2.51270007	8.132083	FALSE	789.22	280	0.03228	0.0000406							
5476404174760	547640	4174760	8.142472	8.142472	2.087558	2.087558	FALSE	2.86913972	8.142472	FALSE	774.28	280	0.03228	0.0000406							
5476604174760	547660	4174760	8.159188	8.159188	2.441047	2.441047	FALSE	3.354975	8.159188	FALSE	759.57	280	0.03228	0.0000406							
5476804174760	547680	4174760	8.156984	8.156984	2.445251	2.445251	FALSE	3.36075297	8.156984	FALSE	745.10	280	0.03228	0.0000406							
5477004174760	547700	4174760	8.151014	8.151014	2.354885	2.354885	FALSE	3.23655394	8.151014	FALSE	730.89	280	0.03228	0.0000406							
5477204174760	547720	4174760	8.149996	8.149996	2.360679	2.360679	FALSE	3.24451722	8.149996	FALSE	716.97	280	0.03228	0.0000406							
5477404174760	547740	4174760	8.151236	8.151236	2.414818	2.414818	FALSE	3.31892586	8.151236	FALSE	703.33	280	0.03228	0.0000406							
5477604174760	547760	4174760	8.15043	8.15043	2.403355	2.403355	FALSE	3.30317111	8.15043	FALSE	690.00	280	0.03228	0.0000406							
5477804174760	547780	4174760	8.150993	8.150993	2.426278	2.426278	FALSE	3.33467648	8.150993	FALSE	677.01	280	0.03228	0.0000406							
5478004174760	547800	4174760	8.152316	8.152316	2.46585	2.46585	FALSE	3.38906424	8.152316	FALSE	664.36	280	0.03228	0.0000406							
5478204174760	547820	4174760	8.154247	8.154247	2.516394	2.516394	FALSE	3.45853191	8.154247	FALSE	652.08	280	0.03228	0.0000406							
5478404174760	547840	4174760	8.160709	8.160709	2.683506	2.683506	FALSE	3.68821065	8.160709	FALSE	640.19	280	0.03228	0.0000406							
5478604174760	547860	4174760	8.167054	8.167054	2.846285	2.846285	FALSE	3.9119341	8.167054	FALSE	628.71	280	0.03228	0.0000406							
5478804174760	547880	4174760	8.171215	8.171215	2.928311	2.928311	FALSE	4.02467064	8.171215	FALSE	617.66	280	0.03228	0.0000406							
5479004174760	547900	4174760	8.178948	8.178948	3.071199	3.071199	FALSE	4.22105591	8.178948	FALSE	607.07	280	0.03228	0.0000406							
5479204174760	547920	4174760	8.201589	8.201589	3.508196	3.508196	FALSE	4.82166458	8.201589	FALSE	596.97	280	0.03228	0.0000406							
5479404174760	547940	4174760	8.217702	8.217702	3.812764	3.812764	FALSE	5.24026284	8.217702	FALSE	587.37	280	0.03228	0.0000406							
5479604174760	547960	4174760	8.179798	8.179798	3.034352	3.034352	FALSE	4.17041339	8.179798	FALSE	578.31	280	0.03228	0.0000406							
5479804174760	547980	4174760	8.162779	8.162779	2.641645	2.641645	FALSE	3.63067689	8.162779	FALSE	569.80	280	0.03228	0.0000406							
5480004174760	548000	4174760	8.158252	8.158252	2.566101	2.566101	FALSE	3.52684921	8.158252	FALSE	561.88	280	0.03228	0.0000406							
5480204174760	548020	4174760	8.156144	8.156144	2.541234	2.541234	FALSE	3.49267201	8.156144	FALSE	554.56	280	0.03228	0.0000406							
5480404174760	548040	4174760	8.155289	8.155289	2.544927	2.544927	FALSE	3.49774767	8.155289	FALSE	547.88	280	0.03228	0.0000406							
5480604174760	548060	4174760	8.152643	8.152643	2.485515	2.485515	FALSE	3.41609182	8.152643	FALSE	541.85	280	0.03228	0.0000406							
5480804174760	548080	4174760	8.151319	8.151319	2.457842	2.457842	FALSE	3.37805804	8.151319	FALSE	536.51	280	0.03228	0.0000406							
5481004174760	548100	4174760	8.152707	8.152707	2.483659	2.483659	FALSE	3.41354093	8.152707	FALSE	531.86	280	0.03228	0.0000406							
5481204174760	548120	4174760	8.154624	8.154624	2.538624	2.538624	FALSE	3.48908483	8.154624	FALSE	527.93	280	0.03228	0.0000406							
5481404174760	548140	4174760	8.149047	8.149047	2.433082	2.433082	FALSE	3.3440279	8.149047	FALSE	524.73	280	0.03228	0.0000406							
5481604174760	548160	4174760	8.1457	8.1457	2.366769	2.366769	FALSE	3.25288731	8.1457	FALSE	522.28	280	0.03228	0.0000406							
5481804174760	548180	4174760	8.141393	8.141393	2.38558	2.38558	FALSE	3.27874115	8.141393	FALSE	520.58	280	0.03228	0.0000406							
5482004174760	548200	4174760	8.139864	8.139864	2.375713	2.375713	FALSE	3.26517995	8.139864	FALSE	519.65	280	0.03228	0.0000406							
5482204174760	548220	4174760	8.143914	8.143914	2.498935	2.498935	FALSE	3.43453626	8.143914	FALSE	519.49	280	0.03228	0.0000406							
5482404174760	548240	4174760	8.152604	8.152604	2.733491	2.733491	FALSE	3.75691003	8.152604	FALSE	520.10	280	0.03228	0.0000406							
5482604174760	548260	4174760	8.166576	8.166576	3.096377	3.096377	FALSE	4.25566055	8.166576	FALSE	521.48	280	0.03228	0.0000406							
5482804174760	548280	4174760	8.173675	8.173675	3.356228	3.356228	FALSE	4.61279976	8.173675	FALSE	523.61	280	0.03228	0.0000406							
5483004174760	548300	4174760	8.18563	8.18563	3.744541	3.744541	FALSE	5.14649715	8.18563	FALSE	526.50	280	0.03228	0.0000406							
5483204174760	548320	4174760	8.195067	8.195067	4.122054	4.122054	FALSE	5.66535102	8.195067	FALSE	530.13	280	0.03228	0.0000406							
5483404174760	548340	4174760	8.208447	8.208447	4.590961	4.590961	FALSE	6.3098168	8.208447	FALSE	534.48	280	0.03228	0.0000406							
5483604174760	548360	4174760	8.218888	8.218888	4.955527	4.955527	FALSE	6.81087631	8.218888	FALSE	539.54	280	0.03228	0.0000406							
5483804174760	548380	4174760	8.227336	8.227336	5.248183	5.248183	FALSE	7.21310272	8.227336	FALSE	545.29	280	0.03228	0.0000406							
5484004174760	548400	4174760	8.233914	8.233914	5.47618	5.47618	FALSE	7.52646179	8.233914	FALSE	551.70	280	0.03228	0.0000406							
5484204174760	548420	4174760	8.245392	8.245392	5.852292	5.852292	FALSE	8.04339012	8.245392	FALSE	558.75	280	0.03228	0.0000406							
5484404174760	548440	4174760	8.263615	8.263615	6.428606	6.428606	TRUE	8.83547609	8.263615	TRUE	566.43	280	0.03228	0.0000406							
5484604174760	548460	4174760	8.291881	8.291881	7.296195	7.296195	FALSE	10.0278904	8.291881	FALSE	574.69	280	0.03228	0.0000406							
5484804174760	548480	4174760	8.336084	8.336084	8.601482	8.601482	TRUE	11.8218769	8.336084	TRUE	583.53	280	0.03228	0.0000406							
5485004174760	548500	4174760	8.409857	8.409857	10.67582	10.67582	FALSE	14.6728429	8.409857	FALSE	592.91	280	0.03228	0.0000406							
5485204174760	548520	4174760	8.495117	8.495117	13.15611	13.15611	FALSE	18.0817562	8.495117	FALSE	602.80	280	0.03228	0.0000406							
5485404174760	548540	4174760	8.615053	8.615053	16.44067	16.44067	TRUE	22.5960568	8.615053	TRUE	613.19	280	0.03228	0.0000406							
5485604174760	548560	4174760	8.771874	8.771874	21.03537	21.03537	FALSE	28.911018	8.771874	FALSE	624.05	280	0.03228	0.0000406							
5485804174760	548580	4174760	9.184388	9.184388	33.03605	33.03605	TRUE	45.4047499	9.184388	TRUE	635.35	280	0.03228	0.0000406							
5486004174760	548600	4174760	9.441722	9.441722	40.9778	40.9778	FALSE	56.3198924	9.441722	FALSE	647.07	280	0.03228	0.0000406							
5486204174760	548620	4174760	9.856014	9.856014	52.72211	52.72211	FALSE	72.461268	9.856014	FALSE	659.19	280	0.03228	0.0000406							
5486404174760	548640	4174760	10.09808	10.09808	59.13309	59.13309	FALSE	81.2725244	10.098082	FALSE	671.69	280	0.03228	0.0000406							
5486604174760	548660	4174760	9.577714	9.577714	52.94478	52.94478	FALSE	72.7673084	9.577714	FALSE	684.55	280	0.03228	0.0000406							
5486804174760	548680	4174760	9.271515	9.271515	41.0838	41.0838	FALSE	56.4655733	9.271515	FALSE	697.74	280	0.03228	0.0000406							
5487004174760	548700	4174760	9.075554	9.075554	33.72346	33.72346	TRUE	46.3495248	9.075554	TRUE	711.25	280	0.03228	0.0000406							
5487204174760	548720	4174760	8.949331	8.949331	29.70203	29.70203	TRUE	40.8224728	8.949331	TRUE	725.05	280	0.03228	0.0000406							
5487404174760	548740	4174760	8.868482	8.868482	27.55518	27.55518	TRUE	37.8718394	8.868482	TRUE	739.15	280	0.03228	0.0000406							
5487604174760	548760	4174760	8.811681	8.811681	26.33989	26.33989	TRUE	36.2015421	8.811681	TRUE	753.51	280	0.03228	0.0000406							
5487804174760	548780	4174760	8.782344	8.782344	26.7372	26.7372	TRUE	36.7476077	8.782344	TRUE	768.12	280	0.03228	0.0000406							
															548900	4175820		HWY 500			
															548920	4175820		HWY 500			
															548940	4175820		HWY 500			
															548960	4175820		HWY 500			
															548980	4175820	APEZ	HWY 500			
															549000	4175820	APEZ	HWY 500			
															549020	4175820		HWY 500	I-280		
															549040	4175820	APEZ	HWY 500	I-280		
															549060	4175820	APEZ	HWY 500	I-280		
															549080	4175820		HWY 500	I-280		
															549100	4175820	APEZ	HWY 500			
															549120	4175820	APEZ	HWY 500			
															548820	4175840	APEZ				
															548840	4175840	APEZ	HWY 500			
															548860	4175840	APEZ	HWY 500			
															548880	4175840	APEZ	HWY 500			
															548900	4175840	APEZ	HWY 500			
															548920	4175840	APEZ	HWY 500			
															548940	4175840	APEZ	HWY 500			
															548960	4175840	APEZ	HWY 500			
															548980	4175840	APEZ	HWY 500			
															549000	4175840	APEZ	HWY 500			
															549020	4175840	APEZ	HWY 500			
															549040	4175840	APEZ	HWY 500	I-280		
															549060	4175840	APEZ	HWY 500	I-280		
															549080	4175840	APEZ	HWY 500	I-280		
															549100	4175840		HWY 500	I-280		
															549120	4175840	APEZ	HWY 500			
															548840	4175860	APEZ				
															548860	4175860	APEZ	HWY 500			
															548880	4175860	APEZ	HWY 500			
															548900	4175860	APEZ	HWY 500			
															548920	4175860	APEZ	HWY 500			
															548940	4175860	APEZ	HWY 500			
															548960	4175860	APEZ	HWY 500			
															548980	4175860	APEZ	HWY 500			
															549000	4175860	APEZ	HWY 500			
															549020	4175860	APEZ	HWY 500			
															549040	4175860	APEZ	HWY 500			
															549060	4175860	APEZ	HWY 500			
															549080	4175860	APEZ	HWY 500			
															549100	4175860		HWY 500	I-280		
															549120	4175860	APEZ	HWY 500	I-280		
															548840	4175880	APEZ				
															548860	4175880	APEZ				
															548880	4175880	APEZ	HWY 500			
															548900	4175880	APEZ	HWY 500			
															548920	4175880	APEZ	HWY 500			
															548940	4175880	APEZ	HWY 500			
															548960	4175880	APEZ	HWY 500			
															548980	4175880	APEZ	HWY 500			
															549000	4175880	APEZ	HWY 500			
															549020	4175880	APEZ	HWY 500			
															549040	4175880	APEZ	HWY 500			
															549060	4175880	APEZ	HWY 500			
															549080	4175880	APEZ	HWY 500			
															549100	4175880		HWY 500	I-280		
															548900	4175900		HWY 500			
															548920	4175900		HWY 500			
															548940	4175900		HWY 500			
															548960	4175900		HWY 500			
															548980	4175900		HWY 500			
															549000	4175900		HWY 500			
															549020	4175900		HWY 500			
															549040	4175900		HWY 500			
															549060	4175900		HWY 500			
															549080	4175900		HWY 500			
															549100	4175900		HWY 500			
															548900	4175920	APEZ				
															548920	4175920	APEZ	HWY 500			
															548940	4175920	APEZ	HWY 500			
															548960	4175920		HWY 500			
															548980	4175920	APEZ	HWY 500			
															549000	4175920	APEZ	HWY 500			
															549020	4175920	APEZ	HWY 500			
															549040	4175920	APEZ	HWY 500			
															548840	4175940	APEZ				
															548920	4175940	APEZ				
															548940	4175940	APEZ	HWY 500			
															548960	4175940		HWY 500			
															548980	4175940	APEZ	HWY 500			
															549000	4175940	APEZ	HWY 500			
															549020	4175940	APEZ	HWY 500			
															549040	4175940	APEZ	HWY 500			
															549060	4175940	APEZ	HWY 500			
															549080	4175940	APEZ	HWY 500			
															549100	4175940	APEZ	HWY 500			
															548980	4175960	APEZ	HWY 500			
															549000	4175960	APEZ	HWY 500			
															549020	4175960	APEZ	HWY 500			
															549040	4175960	APEZ	HWY 500			

5488004174760	548800	4174760	8.782073	8.782073	29.01756	29.01756	FALSE	39.8817345	8.782073	FALSE	782.97	280	0.03228	0.0000406						
5488204174760	548820	4174760	8.83154	8.83154	35.06526	35.06526	FALSE	48.1936988	8.83154	FALSE	798.04	280	0.03228	0.0000406						
5488404174760	548840	4174760	8.828408	8.828408	36.01062	36.01062	FALSE	49.4929893	8.828408	FALSE	813.33	280	0.03228	0.0000406						
5488604174760	548860	4174760	8.765957	8.765957	31.71763	31.71763	FALSE	43.5927162	8.765957	FALSE	828.82	280	0.03228	0.0000406						
5488804174760	548880	4174760	8.70642	8.70642	27.4092	27.4092	FALSE	37.6712017	8.70642	FALSE	844.49	280	0.03228	0.0000406						
5489004174760	548900	4174760	8.676073	8.676073	25.39338	25.39338	FALSE	34.9006615	8.676073	FALSE	860.35	280	0.03228	0.0000406						
5489204174760	548920	4174760	8.66128	8.66128	24.44119	24.44119	FALSE	33.5919702	8.66128	FALSE	876.38	280	0.03228	0.0000406						
5489404174760	548940	4174760	8.656746	8.656746	24.11856	24.11856	FALSE	33.148542	8.656746	FALSE	892.56	280	0.03228	0.0000406						
5471404174780	547140	4174780	8.16948	8.16948	2.88207	2.88207	FALSE	3.96111701	8.16948	FALSE	1184.61	280	0.03228	0.0000406						
5471604174780	547160	4174780	8.160593	8.160593	2.657293	2.657293	FALSE	3.6521835	8.160593	FALSE	1166.50	280	0.03228	0.0000406						
5471804174780	547180	4174780	8.157724	8.157724	2.550351	2.550351	FALSE	3.50520241	8.157724	FALSE	1148.46	280	0.03228	0.0000406						
5472004174780	547200	4174780	8.153639	8.153639	2.399324	2.399324	FALSE	3.29763091	8.153639	FALSE	1130.48	280	0.03228	0.0000406						
5472204174780	547220	4174780	8.143696	8.143696	2.18281	2.18281	FALSE	3.00005406	8.143696	FALSE	1112.58	280	0.03228	0.0000406						
5472404174780	547240	4174780	8.135953	8.135953	2.001359	2.001359	FALSE	2.75066781	8.135953	FALSE	1094.74	280	0.03228	0.0000406						
5472604174780	547260	4174780	8.130781	8.130781	1.91143	1.91143	FALSE	2.62706939	8.130781	FALSE	1076.98	280	0.03228	0.0000406						
5472804174780	547280	4174780	8.124444	8.124444	1.737144	1.737144	FALSE	2.38753071	8.124444	FALSE	1059.31	280	0.03228	0.0000406						
5473004174780	547300	4174780	8.12023	8.12023	1.606457	1.606457	FALSE	2.2079145	8.12023	FALSE	1041.71	280	0.03228	0.0000406						
5473204174780	547320	4174780	8.117186	8.117186	1.516559	1.516559	FALSE	2.08435869	8.117186	FALSE	1024.20	280	0.03228	0.0000406						
5473404174780	547340	4174780	8.114502	8.114502	1.450143	1.450143	FALSE	1.99307654	8.114502	FALSE	1006.79	280	0.03228	0.0000406						
5473604174780	547360	4174780	8.112334	8.112334	1.393799	1.393799	FALSE	1.91563735	8.112334	FALSE	989.48	280	0.03228	0.0000406						
5473804174780	547380	4174780	8.112009	8.112009	1.384492	1.384492	FALSE	1.9028458	8.112009	FALSE	972.26	280	0.03228	0.0000406						
5474004174780	547400	4174780	8.112031	8.112031	1.386888	1.386888	FALSE	1.90613887	8.112031	FALSE	955.16	280	0.03228	0.0000406						
5474204174780	547420	4174780	8.112497	8.112497	1.402478	1.402478	FALSE	1.92756576	8.112497	FALSE	938.17	280	0.03228	0.0000406						
5474404174780	547440	4174780	8.113491	8.113491	1.432034	1.432034	FALSE	1.96818753	8.113491	FALSE	921.30	280	0.03228	0.0000406						
5474604174780	547460	4174780	8.11549	8.11549	1.47925	1.47925	FALSE	2.0330812	8.11549	FALSE	904.56	280	0.03228	0.0000406						
5474804174780	547480	4174780	8.11763	8.11763	1.532182	1.532182	FALSE	2.10583094	8.11763	FALSE	887.95	280	0.03228	0.0000406						
5475004174780	547500	4174780	8.119398	8.119398	1.554107	1.554107	FALSE	2.13596466	8.119398	FALSE	871.49	280	0.03228	0.0000406						
5475204174780	547520	4174780	8.121648	8.121648	1.590277	1.590277	FALSE	2.18567671	8.121648	FALSE	855.18	280	0.03228	0.0000406						
5475404174780	547540	4174780	8.124853	8.124853	1.677588	1.677588	FALSE	2.30567695	8.124853	FALSE	839.02	280	0.03228	0.0000406						
5475604174780	547560	4174780	8.126977	8.126977	1.735897	1.735897	FALSE	2.38581684	8.126977	FALSE	823.04	280	0.03228	0.0000406						
5475804174780	547580	4174780	8.127517	8.127517	1.718536	1.718536	FALSE	2.36195588	8.127517	FALSE	807.23	280	0.03228	0.0000406						
5476004174780	547600	4174780	8.13198	8.13198	1.835546	1.835546	FALSE	2.52277442	8.13198	FALSE	791.62	280	0.03228	0.0000406						
5476204174780	547620	4174780	8.139021	8.139021	2.023811	2.023811	FALSE	2.78152584	8.139021	FALSE	776.21	280	0.03228	0.0000406						
5476404174780	547640	4174780	8.152169	8.152169	2.358903	2.358903	FALSE	3.24207628	8.152169	FALSE	761.00	280	0.03228	0.0000406						
5476604174780	547660	4174780	8.154036	8.154036	2.454447	2.454447	FALSE	3.37339196	8.154036	FALSE	746.03	280	0.03228	0.0000406						
5476804174780	547680	4174780	8.167888	8.167888	2.751932	2.751932	FALSE	3.78225534	8.167888	FALSE	731.30	280	0.03228	0.0000406						
5477004174780	547700	4174780	8.159613	8.159613	2.604464	2.604464	FALSE	3.57957532	8.159613	FALSE	716.82	280	0.03228	0.0000406						
5477204174780	547720	4174780	8.157243	8.157243	2.571584	2.571584	FALSE	3.53438505	8.157243	FALSE	702.61	280	0.03228	0.0000406						
5477404174780	547740	4174780	8.157211	8.157211	2.589423	2.589423	FALSE	3.55890297	8.157211	FALSE	688.69	280	0.03228	0.0000406						
5477604174780	547760	4174780	8.1586	8.1586	2.644372	2.644372	FALSE	3.63442488	8.1586	FALSE	675.08	280	0.03228	0.0000406						
5477804174780	547780	4174780	8.160446	8.160446	2.704913	2.704913	FALSE	3.71763243	8.160446	FALSE	661.79	280	0.03228	0.0000406						
5478004174780	547800	4174780	8.161923	8.161923	2.748173	2.748173	FALSE	3.77708897	8.161923	FALSE	648.84	280	0.03228	0.0000406						
5478204174780	547820	4174780	8.163488	8.163488	2.782814	2.782814	FALSE	3.82469956	8.163488	FALSE	636.26	280	0.03228	0.0000406						
5478404174780	547840	4174780	8.169684	8.169684	2.94566	2.94566	FALSE	4.0485151	8.169684	FALSE	624.07	280	0.03228	0.0000406						
5478604174780	547860	4174780	8.176526	8.176526	3.122961	3.122961	FALSE	4.2921976	8.176526	FALSE	612.29	280	0.03228	0.0000406						
5478804174780	547880	4174780	8.180606	8.180606	3.201699	3.201699	FALSE	4.40041511	8.180606	FALSE	600.94	280	0.03228	0.0000406						
5479004174780	547900	4174780	8.1881	8.1881	3.335993	3.335993	FALSE	4.58498878	8.1881	FALSE	590.05	280	0.03228	0.0000406						
5479204174780	547920	4174780	8.211363	8.211363	3.78046	3.78046	FALSE	5.19586422	8.211363	FALSE	579.65	280	0.03228	0.0000406						
5479404174780	547940	4174780	8.233198	8.233198	4.192182	4.192182	FALSE	5.76173494	8.233198	FALSE	569.76	280	0.03228	0.0000406						
5479604174780	547960	4174780	8.18777	8.18777	3.265638	3.265638	FALSE	4.48829287	8.18777	FALSE	560.41	280	0.03228	0.0000406						
5479804174780	547980	4174780	8.171149	8.171149	2.883123	2.883123	FALSE	3.96256425	8.171149	FALSE	551.63	280	0.03228	0.0000406						
5480004174780	548000	4174780	8.168378	8.168378	2.856084	2.856084	FALSE	3.92540185	8.168378	FALSE	543.44	280	0.03228	0.0000406						
5480204174780	548020	4174780	8.16731	8.16731	2.860804	2.860804	FALSE	3.93188902	8.16731	FALSE	535.87	280	0.03228	0.0000406						
5480404174780	548040	4174780	8.166727	8.166727	2.872434	2.872434	FALSE	3.94787329	8.166727	FALSE	528.96	280	0.03228	0.0000406						
5480604174780	548060	4174780	8.163525	8.163525	2.796122	2.796122	FALSE	3.84299008	8.163525	FALSE	522.71	280	0.03228	0.0000406						
5480804174780	548080	4174780	8.161634	8.161634	2.751474	2.751474	FALSE	3.78162587	8.161634	FALSE	517.17	280	0.03228	0.0000406						
5481004174780	548100	4174780	8.161963	8.161963	2.749396	2.749396	FALSE	3.77876986	8.161963	FALSE	512.34	280	0.03228	0.0000406						
5481204174780	548120	4174780	8.16213	8.16213	2.760084	2.760084	FALSE	3.79345945	8.16213	FALSE	508.26	280	0.03228	0.0000406						
5481404174780	548140	4174780	8.156488	8.156488	2.646623	2.646623	FALSE	3.63751865	8.156488	FALSE	504.94	280	0.03228	0.0000406						
5481604174780	548160	4174780	8.152634	8.152634	2.563883	2.563883	FALSE	3.5238008	8.152634	FALSE	502.39	280	0.03228	0.0000406						
5481804174780	548180	4174780	8.1437	8.1437	2.454129	2.454129	FALSE	3.3729549	8.1437	FALSE	500.63	280	0.03228	0.0000406						
5482004174780	548200	4174780	8.140646	8.140646	2.405886	2.405886	FALSE	3.30664972	8.140646	FALSE	499.66	280	0.03228	0.0000406						
5482204174780	548220	4174780	8.144165	8.144165	2.519761	2.519761	FALSE	3.46315952	8.144165	FALSE	499.49	280	0.03228	0.0000406						
5482404174780	548240	4174780	8.150402	8.150402	2.704312	2.704312	FALSE	3.71680641	8.150402	FALSE	500.13	280	0.03228	0.0000406						
5482604174780	548260	4174780	8.160947	8.160947	3.001133	3.001133	FALSE	4.1247572	8.160947	FALSE	501.56	280	0.03228	0.0000406						
5482804174780	548280	4174780	8.177984	8.177984	3.44649	3.44649	FALSE	4.73685586	8.177984	FALSE	503.78	280	0.03228	0.0000406						
5483004174780	548300	4174780	8.193953	8.193953	3.93544	3.93544	FALSE	5.40886874	8.193953	FALSE	506.78	280	0.03228	0.0000406						
5483204174780	548320	4174780	8.204558	8.204558	4.38687	4.38687	FALSE	6.02931413	8.204558	FALSE	510.55	280	0.03228	0.0000406						
5483404174780	548340	4174780	8.223665	8.223665	5.049865	5.049865	FALSE	6.94053446	8.223665	FALSE	515.07	280	0.03228	0.0000406						
5483604174780	548360	4174780	8.244885	8.244885	5.76583	5.76583	FALSE	7.92455675	8.244885	FALSE	520.31	280	0.03228	0.0000406						
5483804174780	548380	4174780	8.260148	8.260148	6.270567	6.270567	FALSE	8.61826728	8.260148	FALSE	526.27	280	0.03228	0.0000406						
5484004174780	548400	4174780	8.266575	8.266575	6.482887	6.482887	FALSE	8.91007989	8.266575	FALSE	532.91	280	0.03228	0.0000406						
5484204174780	548420	4174780	8.278029	8.278029	6.838632	6.838632	FALSE	9.39901582	8.278029	FALSE	540.21	280	0.03228	0.0000406						
5484404174780	548440	4174780	8.301037	8.301037	7.518137	7.518137	FALSE	10.3329275	8.301037	FALSE	548.14	280	0.03228	0.0000406						
5484604174780	548460	4174780	8.353021	8.353021	8.930634	8.930634	FALSE	12.2742634	8.353021	FALSE	556.68	280	0.03228	0.0000406						
5484804174780	548480	4174780	8.380248	8.380248	9.869501	9.869501	FALSE	13.5646422	8.380248	FALSE	565.80	280	0.03228	0.0000406						
5485004174780	548500	4174780	8.458408	8.458408	12.02545	12.02545	TRUE	16.5277812	8.458408	TRUE	575.46	280	0.03228	0.0000406						
5485204174780	548520	4174780	8.517844	8.517844	13.91652	13.91652	TRUE	19.1268651	8.517844	TRUE	585.66	280	0.03228	0.0000406						
5485404174780	548540	4174780	8.61457	8.61457	16.79213	16.79213	TRUE	23.079109	8.61457	TRUE	596.34	280	0.03228	0.0000406						
5485604174780	548560	4174780	8.771032	8.771032	21.49716	21.49716	FALSE	29.5456898	8.771032	FALSE	607.50	280	0.03228	0.0000406						
5485804174780	548580	4174780	9.114706	9.114706	31.93942	31.93942	TRUE	43.897532	9.114706	TRUE	619.11	280	0.03228	0.0000406						
5486004174780	548600	4174780	10.10988	10.10988	59.05719	59.05719	FALSE	81.1682006	10.109875	FALSE	631.13	280	0.03228	0.0000406						
5486204174780	548620	4174780	10.59204	10.59204	72.86124	72.86124	FALSE	100.140481	10.592038	FALSE	643.55	280	0.03228	0.0000406						
5486404174780	548640	4174780	10.10705	10.10705	59.66149	59.66149	TRUE	81.9987532	10.107054	TRUE	656.35	280	0.03228	0.0000406						
5486604174780	548660	4174780	9.595564	9.595564	49.25843	49.25843	FALSE	67.7007917	9.595564	FALSE	669.50	280	0.03228	0.0000406						
5486804174780	548680	4174780	9.385735	9.385735	47.31134	47.31134	TRUE	65.0247071	9.385735	TRUE	682.98	280	0.03228	0.0000406						
5487004174780	548700	4174780	9.130749	9.130749	36.58963	36.58963	TRUE	50.2887888	9.130749	TRUE	696.77	280	0.03228	0.0000406						
5487204174780	548720	4174780	8.987915	8.987915	31.66822	31.66822	TRUE	43.5247947	8.987915	TRUE	710.86	280	0.03228	0.0000406						
5487404174780	548740	4174780	8.900762	8.900762	29.27465	29.27465	TRUE	40.2350735	8.900762	TRUE	725.23	280	0.03228	0.0000406						
5487604174780	548760	4174780	8.845403	8.845403	28.31507	28.31507	TRUE	38.9162336	8.845403	TRUE	739.86	280	0.03228	0.0000406						
5487804174780	548780	4174780	8.820928	8.820928	29.2468	29.2468	FALSE	40.1967978	8.820928	FALSE	754.74	280	0.03228	0.0000406						
5488004174780	548800	4174780	8.828433	8.828433	32.16042	32.16042	FALSE	44.2012826	8.828433	FALSE	769.84	280	0.03228	0.0000406						
5488204174780	548820	4174780	8.82155	8.82155	33.43883	33.43883	FALSE	45.9583238	8.82155	FALSE	785.17	280	0.03228	0.0000406						
5488404174780	548840	4174780	8.870705	8.870705	38.88492	38.88492	FALSE	53.4434368	8.870705	FALSE	800.70	280	0.03228	0.0000406						

549060	4175960	APEZ	HWY 500	
549080	4175960	APEZ	HWY 500	
549100	4175960	APEZ	HWY 500	
548980	4175980	APEZ		
549000	4175980	APEZ	HWY 500	
549020	4175980	APEZ	HWY 500	
549040	4175980	APEZ	HWY 500	
549060	4175980	APEZ	HWY 500	
549080	4175980	APEZ	HWY 500	
549040	4176000		HWY 500	
549060	4176000		HWY 500	
549080	4176000		HWY 500	
549040	4176020	APEZ		
549060	4176020	APEZ		
549080	4176020	APEZ	HWY 500	

5488604174780	548860	4174780	8.784975	8.784975	32.63063	32.63063	FALSE	44.8475434	8.784975	FALSE	816.43	280	0.03228	0.0000406
5488804174780	548880	4174780	8.719804	8.719804	27.84023	27.84023	FALSE	38.2636107	8.719804	FALSE	832.34	280	0.03228	0.0000406
5489004174780	548900	4174780	8.692677	8.692677	25.92359	25.92359	FALSE	35.6293876	8.692677	FALSE	848.43	280	0.03228	0.0000406
5489204174780	548920	4174780	8.682285	8.682285	25.14096	25.14096	FALSE	34.5537382	8.682285	FALSE	864.67	280	0.03228	0.0000406
5489404174780	548940	4174780	8.683913	8.683913	25.04285	25.04285	FALSE	34.4188972	8.683913	FALSE	881.07	280	0.03228	0.0000406
5489604174780	548960	4174780	8.703787	8.703787	25.74208	25.74208	FALSE	35.3799175	8.703787	FALSE	897.62	280	0.03228	0.0000406
5471404174800	547140	4174800	8.179742	8.179742	3.141862	3.141862	FALSE	4.31817513	8.179742	FALSE	1176.32	280	0.03228	0.0000406
5471604174800	547160	4174800	8.173235	8.173235	2.972638	2.972638	FALSE	4.08559367	8.173235	FALSE	1158.08	280	0.03228	0.0000406
5471804174800	547180	4174800	8.170769	8.170769	2.874295	2.874295	FALSE	3.95043105	8.170769	FALSE	1139.91	280	0.03228	0.0000406
5472004174800	547200	4174800	8.165595	8.165595	2.692546	2.692546	FALSE	3.70063522	8.165595	FALSE	1121.79	280	0.03228	0.0000406
5472204174800	547220	4174800	8.153395	8.153395	2.429467	2.429467	FALSE	3.33905944	8.153395	FALSE	1103.74	280	0.03228	0.0000406
5472404174800	547240	4174800	8.145196	8.145196	2.238683	2.238683	FALSE	3.07684592	8.145196	FALSE	1085.76	280	0.03228	0.0000406
5472604174800	547260	4174800	8.140372	8.140372	2.169157	2.169157	FALSE	2.98128938	8.140372	FALSE	1067.86	280	0.03228	0.0000406
5472804174800	547280	4174800	8.132418	8.132418	1.951603	1.951603	FALSE	2.68228316	8.132418	FALSE	1050.02	280	0.03228	0.0000406
5473004174800	547300	4174800	8.126866	8.126866	1.787996	1.787996	FALSE	2.4574217	8.126866	FALSE	1032.27	280	0.03228	0.0000406
5473204174800	547320	4174800	8.122566	8.122566	1.663575	1.663575	FALSE	2.28641748	8.122566	FALSE	1014.60	280	0.03228	0.0000406
5473404174800	547340	4174800	8.119492	8.119492	1.584441	1.584441	FALSE	2.17765571	8.119492	FALSE	997.02	280	0.03228	0.0000406
5473604174800	547360	4174800	8.116709	8.116709	1.510735	1.510735	FALSE	2.07635418	8.116709	FALSE	979.53	280	0.03228	0.0000406
5473804174800	547380	4174800	8.115702	8.115702	1.482178	1.482178	FALSE	2.03710544	8.115702	FALSE	962.14	280	0.03228	0.0000406
5474004174800	547400	4174800	8.11635	8.11635	1.50248	1.50248	FALSE	2.06500851	8.11635	FALSE	944.85	280	0.03228	0.0000406
5474204174800	547420	4174800	8.11757	8.11757	1.539643	1.539643	FALSE	2.11608534	8.11757	FALSE	927.68	280	0.03228	0.0000406
5474404174800	547440	4174800	8.119397	8.119397	1.593731	1.593731	FALSE	2.19042389	8.119397	FALSE	910.61	280	0.03228	0.0000406
5474604174800	547460	4174800	8.123273	8.123273	1.696426	1.696426	FALSE	2.33156789	8.123273	FALSE	893.67	280	0.03228	0.0000406
5474804174800	547480	4174800	8.127065	8.127065	1.795908	1.795908	FALSE	2.46829596	8.127065	FALSE	876.86	280	0.03228	0.0000406
5475004174800	547500	4174800	8.13026	8.13026	1.85465	1.85465	FALSE	2.54903096	8.13026	FALSE	860.18	280	0.03228	0.0000406
5475204174800	547520	4174800	8.131646	8.131646	1.864633	1.864633	FALSE	2.5627516	8.131646	FALSE	843.65	280	0.03228	0.0000406
5475404174800	547540	4174800	8.134644	8.134644	1.946829	1.946829	FALSE	2.67572178	8.134644	FALSE	827.27	280	0.03228	0.0000406
5475604174800	547560	4174800	8.137226	8.137226	2.018203	2.018203	FALSE	2.7738182	8.137226	FALSE	811.06	280	0.03228	0.0000406
5475804174800	547580	4174800	8.13468	8.13468	1.914055	1.914055	FALSE	2.63067719	8.13468	FALSE	795.02	280	0.03228	0.0000406
5476004174800	547600	4174800	8.138426	8.138426	2.012145	2.012145	FALSE	2.76549209	8.138426	FALSE	779.16	280	0.03228	0.0000406
5476204174800	547620	4174800	8.147457	8.147457	2.258596	2.258596	FALSE	3.10421434	8.147457	FALSE	763.49	280	0.03228	0.0000406
5476404174800	547640	4174800	8.16378	8.16378	2.683535	2.683535	FALSE	3.6882505	8.16378	FALSE	748.03	280	0.03228	0.0000406
5476604174800	547660	4174800	8.167835	8.167835	2.841617	2.841617	FALSE	3.9055184	8.167835	FALSE	732.79	280	0.03228	0.0000406
5476804174800	547680	4174800	8.181118	8.181118	3.136964	3.136964	FALSE	4.31144332	8.181118	FALSE	717.79	280	0.03228	0.0000406
5477004174800	547700	4174800	8.169321	8.169321	2.884222	2.884222	FALSE	3.96407472	8.169321	FALSE	703.03	280	0.03228	0.0000406
5477204174800	547720	4174800	8.165198	8.165198	2.800235	2.800235	FALSE	3.84864298	8.165198	FALSE	688.54	280	0.03228	0.0000406
5477404174800	547740	4174800	8.165325	8.165325	2.822708	2.822708	FALSE	3.87952988	8.165325	FALSE	674.33	280	0.03228	0.0000406
5477604174800	547760	4174800	8.171664	8.171664	3.01301	3.01301	FALSE	4.14108094	8.171664	FALSE	660.42	280	0.03228	0.0000406
5477804174800	547780	4174800	8.175994	8.175994	3.14516	3.14516	FALSE	4.3227079	8.175994	FALSE	646.82	280	0.03228	0.0000406
5478004174800	547800	4174800	8.177293	8.177293	3.188287	3.188287	FALSE	4.38198165	8.177293	FALSE	633.57	280	0.03228	0.0000406
5478204174800	547820	4174800	8.176317	8.176317	3.154172	3.154172	FALSE	4.335094	8.176317	FALSE	620.68	280	0.03228	0.0000406
5478404174800	547840	4174800	8.178854	8.178854	3.210213	3.210213	FALSE	4.41211675	8.178854	FALSE	608.18	280	0.03228	0.0000406
5478604174800	547860	4174800	8.179891	8.179891	3.220314	3.220314	FALSE	4.42599956	8.179891	FALSE	596.08	280	0.03228	0.0000406
5478804174800	547880	4174800	8.185897	8.185897	3.354894	3.354894	FALSE	4.61096631	8.185897	FALSE	584.42	280	0.03228	0.0000406
5479004174800	547900	4174800	8.195354	8.195354	3.544598	3.544598	FALSE	4.87169549	8.195354	FALSE	573.22	280	0.03228	0.0000406
5479204174800	547920	4174800	8.220822	8.220822	4.045178	4.045178	FALSE	5.55969264	8.220822	FALSE	562.51	280	0.03228	0.0000406
5479404174800	547940	4174800	8.255372	8.255372	4.722577	4.722577	FALSE	6.49070983	8.255372	FALSE	552.31	280	0.03228	0.0000406
5479604174800	547960	4174800	8.199616	8.199616	3.599321	3.599321	FALSE	4.94690678	8.199616	FALSE	542.66	280	0.03228	0.0000406
5479804174800	547980	4174800	8.18387	8.18387	3.239975	3.239975	FALSE	4.45302164	8.18387	FALSE	533.59	280	0.03228	0.0000406
5480004174800	548000	4174800	8.181224	8.181224	3.221605	3.221605	FALSE	4.42777391	8.181224	FALSE	525.12	280	0.03228	0.0000406
5480204174800	548020	4174800	8.181606	8.181606	3.267971	3.267971	FALSE	4.49149934	8.181606	FALSE	517.28	280	0.03228	0.0000406
5480404174800	548040	4174800	8.183441	8.183441	3.348722	3.348722	FALSE	4.60248352	8.183441	FALSE	510.11	280	0.03228	0.0000406
5480604174800	548060	4174800	8.177679	8.177679	3.196552	3.196552	FALSE	4.39334107	8.177679	FALSE	503.64	280	0.03228	0.0000406
5480804174800	548080	4174800	8.175144	8.175144	3.131996	3.131996	FALSE	4.3046153	8.175144	FALSE	497.88	280	0.03228	0.0000406
5481004174800	548100	4174800	8.176482	8.176482	3.156591	3.156591	FALSE	4.33841867	8.176482	FALSE	492.86	280	0.03228	0.0000406
5481204174800	548120	4174800	8.173744	8.173744	3.079897	3.079897	FALSE	4.23301044	8.173744	FALSE	488.62	280	0.03228	0.0000406
5481404174800	548140	4174800	8.165928	8.165928	2.911744	2.911744	FALSE	4.00190095	8.165928	FALSE	485.16	280	0.03228	0.0000406
5481604174800	548160	4174800	8.162873	8.162873	2.851253	2.851253	FALSE	3.91876212	8.162873	FALSE	482.51	280	0.03228	0.0000406
5481804174800	548180	4174800	8.15161	8.15161	2.67935	2.67935	FALSE	3.68249864	8.15161	FALSE	480.67	280	0.03228	0.0000406
5482004174800	548200	4174800	8.145509	8.145509	2.548053	2.548053	FALSE	3.50204404	8.145509	FALSE	479.67	280	0.03228	0.0000406
5482204174800	548220	4174800	8.147788	8.147788	2.627463	2.627463	FALSE	3.61118515	8.147788	FALSE	479.49	280	0.03228	0.0000406
5482404174800	548240	4174800	8.154162	8.154162	2.820934	2.820934	FALSE	3.87709169	8.154162	FALSE	480.15	280	0.03228	0.0000406
5482604174800	548260	4174800	8.164131	8.164131	3.108703	3.108703	FALSE	4.2726014	8.164131	FALSE	481.64	280	0.03228	0.0000406
5482804174800	548280	4174800	8.176819	8.176819	3.463606	3.463606	FALSE	4.76038009	8.176819	FALSE	483.96	280	0.03228	0.0000406
5483004174800	548300	4174800	8.19521	8.19521	4.008273	4.008273	FALSE	5.50897041	8.19521	FALSE	487.08	280	0.03228	0.0000406
5483204174800	548320	4174800	8.215792	8.215792	4.673208	4.673208	FALSE	6.42285708	8.215792	FALSE	491.00	280	0.03228	0.0000406
5483404174800	548340	4174800	8.238527	8.238527	5.463547	5.463547	FALSE	7.509099	8.238527	FALSE	495.70	280	0.03228	0.0000406
5483604174800	548360	4174800	8.279118	8.279118	6.778495	6.778495	FALSE	9.31636353	8.279118	FALSE	501.15	280	0.03228	0.0000406
5483804174800	548380	4174800	8.313339	8.313339	7.833463	7.833463	FALSE	10.7663115	8.313339	FALSE	507.33	280	0.03228	0.0000406
5484004174800	548400	4174800	8.334213	8.334213	8.417384	8.417384	FALSE	11.5688526	8.334213	FALSE	514.21	280	0.03228	0.0000406
5484204174800	548420	4174800	8.362267	8.362267	9.114873	9.114873	FALSE	12.5274815	8.362267	FALSE	521.77	280	0.03228	0.0000406
5484404174800	548440	4174800	8.401335	8.401335	10.12534	10.12534	FALSE	13.9162632	8.401335	FALSE	529.98	280	0.03228	0.0000406
5484604174800	548460	4174800	8.406185	8.406185	10.44962	10.44962	TRUE	14.3619591	8.406185	TRUE	538.81	280	0.03228	0.0000406
5484804174800	548480	4174800	8.416972	8.416972	10.98736	10.98736	FALSE	15.1010331	8.416972	FALSE	548.22	280	0.03228	0.0000406
5485004174800	548500	4174800	8.451596	8.451596	12.10645	12.10645	TRUE	16.6391035	8.451596	TRUE	558.19	280	0.03228	0.0000406
5485204174800	548520	4174800	8.507936	8.507936	13.8237	13.8237	TRUE	18.9992864	8.507936	TRUE	568.70	280	0.03228	0.0000406
5485404174800	548540	4174800	8.609526	8.609526	16.88593	16.88593	TRUE	23.2080181	8.609526	TRUE	579.70	280	0.03228	0.0000406
5485604174800	548560	4174800	8.750401	8.750401	21.17105	21.17105	TRUE	29.0974952	8.750401	TRUE	591.17	280	0.03228	0.0000406
5485804174800	548580	4174800	8.969444	8.969444	28.0043	28.0043	FALSE	38.4891085	8.969444	FALSE	603.09	280	0.03228	0.0000406
5486004174800	548600	4174800	9.692603	9.692603	48.28707	48.28707	FALSE	66.365749	9.692603	FALSE	615.42	280	0.03228	0.0000406
5486204174800	548620	4174800	10.54024	10.54024	72.19172	72.19172	FALSE	99.2202958	10.54024	FALSE	628.16	280	0.03228	0.0000406
5486404174800	548640	4174800	10.33255	10.33255	65.37714	65.37714	TRUE	89.8543343	10.332551	TRUE	641.26	280	0.03228	0.0000406
5486604174800	548660	4174800	9.694072	9.694072	50.99972	50.99972	FALSE	70.0940193	9.694072	FALSE	654.71	280	0.03228	0.0000406
5486804174800	548680	4174800	9.490403	9.490403	51.27024	51.27024	FALSE	70.465822	9.490403	FALSE	668.49	280	0.03228	0.0000406
5487004174800	548700	4174800	9.207899	9.207899	40.92601	40.92601	TRUE	56.2487026	9.207899	TRUE	682.58	280	0.03228	0.0000406
5487204174800	548720	4174800	9.040166	9.040166	34.68216	34.68216	TRUE	47.667158	9.040166	TRUE	696.96	280	0.03228	0.0000406
5487404174800	548740	4174800	8.959837	8.959837	33.23004	33.23004	FALSE	45.6713684	8.959837	FALSE	711.60	280	0.03228	0.0000406
5487604174800	548760	4174800	8.870353	8.870353	29.42463	29.42463	FALSE	40.441217	8.870353	FALSE	726.51	280	0.03228	0.0000406
5487804174800	548780	4174800	8.84704	8.84704	30.50392	30.50392	TRUE	41.9245835	8.84704	TRUE	741.65	280	0.03228	0.0000406
5488004174800	548800	4174800	8.793719	8.793719	28.37132	28.37132	FALSE	38.9935395	8.793719	FALSE	757.02	280	0.03228	0.0000406
5488204174800	548820	4174800	8.779868	8.779868	29.10079	29.10079	FALSE	39.9961299	8.779868	FALSE	772.60	280	0.03228	0.0000406
5488404174800	548840	4174800	8.818072	8.818072	33.76668	33.76668	FALSE	46.4089291	8.818072	FALSE	788.38	280	0.03228	0.0000406
5488604174800	548860	4174800	8.852256	8.852256	37.39766	37.39766	FALSE	51.3993384	8.852256	FALSE	804.35	280	0.03228	0.0000406
5488804174800	548880	4174800	8.748357	8.748357	29.37312	29.37312	FALSE	40.3704216	8.748357	FALSE	820.50	280	0.03228	0.0000406

5489004174800	548900	4174800	8.717785	8.717785	27.00564	27.00564	FALSE	37.1165557	8.717785	FALSE	836.81	280	0.03228	0.0000406
5489204174800	548920	4174800	8.710395	8.710395	26.19916	26.19916	FALSE	36.0081186	8.710395	FALSE	853.28	280	0.03228	0.0000406
5489404174800	548940	4174800	8.721471	8.721471	26.37276	26.37276	FALSE	36.2467172	8.721471	FALSE	869.89	280	0.03228	0.0000406
5489604174800	548960	4174800	8.765117	8.765117	27.87682	27.87682	FALSE	38.3138959	8.765117	FALSE	886.65	280	0.03228	0.0000406
5489804174800	548980	4174800	8.869287	8.869287	31.68242	31.68242	FALSE	43.5443208	8.869287	FALSE	903.54	280	0.03228	0.0000406
5471204174820	547120	4174820	8.196875	8.196875	3.551958	3.551958	FALSE	4.88181108	8.196875	FALSE	1186.72	280	0.03228	0.0000406
5471404174820	547140	4174820	8.198456	8.198456	3.564749	3.564749	FALSE	4.89939103	8.198456	FALSE	1168.31	280	0.03228	0.0000406
5471604174820	547160	4174820	8.189832	8.189832	3.352659	3.352659	FALSE	4.60789453	8.189832	FALSE	1149.94	280	0.03228	0.0000406
5471804174820	547180	4174820	8.186385	8.186385	3.233778	3.233778	FALSE	4.44450448	8.186385	FALSE	1131.64	280	0.03228	0.0000406
5472004174820	547200	4174820	8.169762	8.169762	2.816308	2.816308	FALSE	3.87073372	8.169762	FALSE	1113.39	280	0.03228	0.0000406
5472204174820	547220	4174820	8.165854	8.165854	2.718294	2.718294	FALSE	3.73602327	8.165854	FALSE	1095.20	280	0.03228	0.0000406
5472404174820	547240	4174820	8.15638	8.15638	2.500024	2.500024	FALSE	3.43603299	8.15638	FALSE	1077.08	280	0.03228	0.0000406
5472604174820	547260	4174820	8.150337	8.150337	2.416768	2.416768	FALSE	3.32160594	8.150337	FALSE	1059.03	280	0.03228	0.0000406
5472804174820	547280	4174820	8.141495	8.141495	2.185612	2.185612	FALSE	3.00390513	8.141495	FALSE	1041.04	280	0.03228	0.0000406
5473004174820	547300	4174820	8.135552	8.135552	2.016425	2.016425	FALSE	2.77137452	8.135552	FALSE	1023.13	280	0.03228	0.0000406
5473204174820	547320	4174820	8.130933	8.130933	1.884789	1.884789	FALSE	2.590454	8.130933	FALSE	1005.31	280	0.03228	0.0000406
5473404174820	547340	4174820	8.127693	8.127693	1.805809	1.805809	FALSE	2.48190389	8.127693	FALSE	987.56	280	0.03228	0.0000406
5473604174820	547360	4174820	8.124983	8.124983	1.735306	1.735306	FALSE	2.38500457	8.124983	FALSE	969.90	280	0.03228	0.0000406
5473804174820	547380	4174820	8.124342	8.124342	1.716726	1.716726	FALSE	2.35946821	8.124342	FALSE	952.33	280	0.03228	0.0000406
5474004174820	547400	4174820	8.123735	8.123735	1.704492	1.704492	FALSE	2.3426538	8.123735	FALSE	934.86	280	0.03228	0.0000406
5474204174820	547420	4174820	8.124511	8.124511	1.73002	1.73002	FALSE	2.37773949	8.124511	FALSE	917.50	280	0.03228	0.0000406
5474404174820	547440	4174820	8.126785	8.126785	1.797	1.797	FALSE	2.4697968	8.126785	FALSE	900.24	280	0.03228	0.0000406
5474604174820	547460	4174820	8.131896	8.131896	1.932489	1.932489	FALSE	2.65601288	8.131896	FALSE	883.10	280	0.03228	0.0000406
5474804174820	547480	4174820	8.136628	8.136628	2.058971	2.058971	FALSE	2.82984974	8.136628	FALSE	866.09	280	0.03228	0.0000406
5475004174820	547500	4174820	8.140158	8.140158	2.123929	2.123929	FALSE	2.91912802	8.140158	FALSE	849.20	280	0.03228	0.0000406
5475204174820	547520	4174820	8.14359	8.14359	2.187646	2.187646	FALSE	3.00670066	8.14359	FALSE	832.45	280	0.03228	0.0000406
5475404174820	547540	4174820	8.147118	8.147118	2.286438	2.286438	FALSE	3.14248039	8.147118	FALSE	815.85	280	0.03228	0.0000406
5475604174820	547560	4174820	8.148358	8.148358	2.323437	2.323437	FALSE	3.19333181	8.148358	FALSE	799.40	280	0.03228	0.0000406
5475804174820	547580	4174820	8.147143	8.147143	2.259631	2.259631	FALSE	3.10563685	8.147143	FALSE	783.12	280	0.03228	0.0000406
5476004174820	547600	4174820	8.152269	8.152269	2.398737	2.398737	FALSE	3.29682413	8.152269	FALSE	767.01	280	0.03228	0.0000406
5476204174820	547620	4174820	8.163128	8.163128	2.698645	2.698645	FALSE	3.70901769	8.163128	FALSE	751.09	280	0.03228	0.0000406
5476404174820	547640	4174820	8.180414	8.180414	3.147637	3.147637	FALSE	4.32611229	8.180414	FALSE	735.37	280	0.03228	0.0000406
5476604174820	547660	4174820	8.197832	8.197832	3.546311	3.546311	FALSE	4.87404984	8.197832	FALSE	719.86	280	0.03228	0.0000406
5476804174820	547680	4174820	8.194078	8.194078	3.514282	3.514282	FALSE	4.83002918	8.194078	FALSE	704.58	280	0.03228	0.0000406
5477004174820	547700	4174820	8.182313	8.182313	3.254989	3.254989	FALSE	4.47365688	8.182313	FALSE	689.54	280	0.03228	0.0000406
5477204174820	547720	4174820	8.177722	8.177722	3.159824	3.159824	FALSE	4.34286211	8.177722	FALSE	674.76	280	0.03228	0.0000406
5477404174820	547740	4174820	8.178036	8.178036	3.188523	3.188523	FALSE	4.38230601	8.178036	FALSE	660.26	280	0.03228	0.0000406
5477604174820	547760	4174820	8.185675	8.185675	3.416493	3.416493	FALSE	4.69562798	8.185675	FALSE	646.04	280	0.03228	0.0000406
5477804174820	547780	4174820	8.19082	8.19082	3.571901	3.571901	FALSE	4.90922073	8.19082	FALSE	632.14	280	0.03228	0.0000406
5478004174820	547800	4174820	8.192819	8.192819	3.631383	3.631383	FALSE	4.9909728	8.192819	FALSE	618.58	280	0.03228	0.0000406
5478204174820	547820	4174820	8.188602	8.188602	3.509763	3.509763	FALSE	4.82381827	8.188602	FALSE	605.37	280	0.03228	0.0000406
5478404174820	547840	4174820	8.188525	8.188525	3.489402	3.489402	FALSE	4.79583411	8.188525	FALSE	592.54	280	0.03228	0.0000406
5478604174820	547860	4174820	8.186853	8.186853	3.422424	3.422424	FALSE	4.70377955	8.186853	FALSE	580.12	280	0.03228	0.0000406
5478804174820	547880	4174820	8.192928	8.192928	3.559155	3.559155	FALSE	4.89170263	8.192928	FALSE	568.13	280	0.03228	0.0000406
5479004174820	547900	4174820	8.20356	8.20356	3.780566	3.780566	FALSE	5.19600991	8.20356	FALSE	556.60	280	0.03228	0.0000406
5479204174820	547920	4174820	8.230619	8.230619	4.329619	4.329619	FALSE	5.95062835	8.230619	FALSE	545.56	280	0.03228	0.0000406
5479404174820	547940	4174820	8.260345	8.260345	4.909328	4.909328	FALSE	6.7473804	8.260345	FALSE	535.04	280	0.03228	0.0000406
5479604174820	547960	4174820	8.207233	8.207233	3.824445	3.824445	FALSE	5.25631721	8.207233	FALSE	525.07	280	0.03228	0.0000406
5479804174820	547980	4174820	8.189676	8.189676	3.410954	3.410954	FALSE	4.68801518	8.189676	FALSE	515.69	280	0.03228	0.0000406
5480004174820	548000	4174820	8.185864	8.185864	3.355115	3.355115	FALSE	4.61127006	8.185864	FALSE	506.92	280	0.03228	0.0000406
5480204174820	548020	4174820	8.186696	8.186696	3.412708	3.412708	FALSE	4.69042588	8.186696	FALSE	498.80	280	0.03228	0.0000406
5480404174820	548040	4174820	8.19142	8.19142	3.573146	3.573146	FALSE	4.91093186	8.19142	FALSE	491.36	280	0.03228	0.0000406
5480604174820	548060	4174820	8.189524	8.189524	3.530312	3.530312	FALSE	4.85206081	8.189524	FALSE	484.63	280	0.03228	0.0000406
5480804174820	548080	4174820	8.188741	8.188741	3.513175	3.513175	FALSE	4.82850772	8.188741	FALSE	478.65	280	0.03228	0.0000406
5481004174820	548100	4174820	8.190275	8.190275	3.538445	3.538445	FALSE	4.86323881	8.190275	FALSE	473.43	280	0.03228	0.0000406
5481204174820	548120	4174820	8.18975	8.18975	3.514533	3.514533	FALSE	4.83037416	8.18975	FALSE	469.01	280	0.03228	0.0000406
5481404174820	548140	4174820	8.179619	8.179619	3.291743	3.291743	FALSE	4.52417158	8.179619	FALSE	465.41	280	0.03228	0.0000406
5481604174820	548160	4174820	8.174205	8.174205	3.16519	3.16519	FALSE	4.35023714	8.174205	FALSE	462.64	280	0.03228	0.0000406
5481804174820	548180	4174820	8.161733	8.161733	2.962297	2.962297	FALSE	4.071381	8.161733	FALSE	460.73	280	0.03228	0.0000406
5482004174820	548200	4174820	8.155592	8.155592	2.837451	2.837451	FALSE	3.89979265	8.155592	FALSE	459.68	280	0.03228	0.0000406
5482204174820	548220	4174820	8.1577	8.1577	2.910916	2.910916	FALSE	4.00076295	8.1577	FALSE	459.50	280	0.03228	0.0000406
5482404174820	548240	4174820	8.168517	8.168517	3.230564	3.230564	FALSE	4.44008716	8.168517	FALSE	460.18	280	0.03228	0.0000406
5482604174820	548260	4174820	8.18091	8.18091	3.585174	3.585174	FALSE	4.92746315	8.18091	FALSE	461.74	280	0.03228	0.0000406
5482804174820	548280	4174820	8.194972	8.194972	3.993032	3.993032	FALSE	5.48802318	8.194972	FALSE	464.15	280	0.03228	0.0000406
5483004174820	548300	4174820	8.215286	8.215286	4.529114	4.529114	FALSE	6.22481428	8.215286	FALSE	467.41	280	0.03228	0.0000406
5483204174820	548320	4174820	8.235377	8.235377	5.150321	5.150321	FALSE	7.07860118	8.235377	FALSE	471.49	280	0.03228	0.0000406
5483404174820	548340	4174820	8.255713	8.255713	5.886982	5.886982	FALSE	8.09106806	8.255713	FALSE	476.38	280	0.03228	0.0000406
5483604174820	548360	4174820	8.307074	8.307074	7.457716	7.457716	FALSE	10.2498849	8.307074	FALSE	482.05	280	0.03228	0.0000406
5483804174820	548380	4174820	8.375268	8.375268	9.342101	9.342101	FALSE	12.8397836	8.375268	FALSE	488.47	280	0.03228	0.0000406
5484004174820	548400	4174820	8.441655	8.441655	11.06321	11.06321	FALSE	15.205269	8.441655	FALSE	495.62	280	0.03228	0.0000406
5484204174820	548420	4174820	8.422486	8.422486	10.79289	10.79289	FALSE	14.8337453	8.422486	FALSE	503.46	280	0.03228	0.0000406
5484404174820	548440	4174820	8.404862	8.404862	10.55752	10.55752	FALSE	14.5102555	8.404862	FALSE	511.96	280	0.03228	0.0000406
5484604174820	548460	4174820	8.411253	8.411253	10.88641	10.88641	TRUE	14.9622805	8.411253	TRUE	521.09	280	0.03228	0.0000406
5484804174820	548480	4174820	8.438947	8.438947	11.79372	11.79372	TRUE	16.2092929	8.438947	TRUE	530.82	280	0.03228	0.0000406
5485004174820	548500	4174820	8.479692	8.479692	13.05543	13.05543	FALSE	17.9433789	8.479692	FALSE	541.11	280	0.03228	0.0000406
5485204174820	548520	4174820	8.535822	8.535822	14.79233	14.79233	TRUE	20.3305797	8.535822	TRUE	551.94	280	0.03228	0.0000406
5485404174820	548540	4174820	8.621818	8.621818	17.46944	17.46944	TRUE	24.0099956	8.621818	TRUE	563.27	280	0.03228	0.0000406
5485604174820	548560	4174820	8.76032	8.76032	21.80882	21.80882	TRUE	29.9740436	8.76032	TRUE	575.07	280	0.03228	0.0000406
5485804174820	548580	4174820	9.019667	9.019667	30.16547	30.16547	FALSE	41.4594178	9.019667	FALSE	587.31	280	0.03228	0.0000406
5486004174820	548600	4174820	9.939168	9.939168	56.29627	56.29627	FALSE	77.3735894	9.939168	FALSE	599.97	280	0.03228	0.0000406
5486204174820	548620	4174820	11.14638	11.14638	89.47396	89.47396	FALSE	122.973008	11.146383	FALSE	613.03	280	0.03228	0.0000406
5486404174820	548640	4174820	10.68711	10.68711	73.993	73.993	FALSE	101.695974	10.687108	FALSE	626.45	280	0.03228	0.0000406
5486604174820	548660	4174820	9.704113	9.704113	50.78523	50.78523	TRUE	69.7992242	9.704113	TRUE	640.21	280	0.03228	0.0000406
5486804174820	548680	4174820	9.413956	9.413956	46.54082	46.54082	FALSE	63.9657058	9.413956	FALSE	654.30	280	0.03228	0.0000406
5487004174820	548700	4174820	9.326708	9.326708	47.89832	47.89832	FALSE	65.8314565	9.326708	FALSE	668.68	280	0.03228	0.0000406
5487204174820	548720	4174820	9.1254	9.1254	40.19593	40.19593	FALSE	55.2452903	9.1254	FALSE	683.35	280	0.03228	0.0000406
5487404174820	548740	4174820	8.993139	8.993139	34.75878	34.75878	TRUE	47.7724645	8.993139	TRUE	698.29	280	0.03228	0.0000406
5487604174820	548760	4174820	8.896297	8.896297	30.66112	30.66112	TRUE	42.1406447	8.896297	TRUE	713.47	280	0.03228	0.0000406
5487804174820	548780	4174820	8.832249	8.832249	28.30251	28.30251	TRUE	38.8989642	8.832249	TRUE	728.88	280	0.03228	0.0000406
5488004174820	548800	4174820	8.789414	8.789414	27.10402	27.10402	TRUE	37.2517623	8.789414	TRUE	744.51	280	0.03228	0.0000406
5488204174820	548820	4174820	8.764384	8.764384	26.95968	26.95968	TRUE	37.0533828	8.764384	TRUE	760.35	280	0.03228	0.0000406
5488404174820	548840	4174820	8.781177	8.781177	29.79935	29.79935	FALSE	40.9562225	8.781177	FALSE	776.38	280	0.03228	0.0000406
5488604174820	548860	4174820	8.78468	8.78468	30.88446	30.88446	FALSE	42.4476046	8.78468	FALSE	792.59	280	0.03228	0.0000406
5488804174820	548880	4174820	8.794888	8.794888	32.09123	32.09123	FALSE	44.106192	8.794888	FALSE	808.97	280	0.03228	0.0000406

5489004174820	548900	4174820	8.755012	8.755012	28.70025	28.70025	FALSE	39.4456209	8.755012	FALSE	825.51	280	0.03228	0.0000406
5489204174820	548920	4174820	8.753345	8.753345	27.88288	27.88288	FALSE	38.3222234	8.753345	FALSE	842.20	280	0.03228	0.0000406
5489404174820	548940	4174820	8.783951	8.783951	28.66491	28.66491	FALSE	39.3970551	8.783951	FALSE	859.03	280	0.03228	0.0000406
5489604174820	548960	4174820	8.881129	8.881129	31.97882	31.97882	FALSE	43.9516916	8.881129	FALSE	876.00	280	0.03228	0.0000406
5489804174820	548980	4174820	8.998792	8.998792	37.34399	37.34399	FALSE	51.3255771	8.998792	FALSE	893.09	280	0.03228	0.0000406
5471004174840	547100	4174840	8.233013	8.233013	4.293893	4.293893	FALSE	5.90152654	8.233013	FALSE	1197.70	280	0.03228	0.0000406
5471204174840	547120	4174840	8.236141	8.236141	4.366959	4.366959	FALSE	6.00194845	8.236141	FALSE	1179.12	280	0.03228	0.0000406
5471404174840	547140	4174840	8.233781	8.233781	4.318253	4.318253	FALSE	5.93500692	8.233781	FALSE	1160.59	280	0.03228	0.0000406
5471604174840	547160	4174840	8.223103	8.223103	4.057021	4.057021	FALSE	5.57596966	8.223103	FALSE	1142.10	280	0.03228	0.0000406
5471804174840	547180	4174840	8.224271	8.224271	4.032484	4.032484	FALSE	5.54224601	8.224271	FALSE	1123.67	280	0.03228	0.0000406
5472004174840	547200	4174840	8.198407	8.198407	3.438066	3.438066	FALSE	4.72527791	8.198407	FALSE	1105.29	280	0.03228	0.0000406
5472204174840	547220	4174840	8.192567	8.192567	3.297138	3.297138	FALSE	4.53158647	8.192567	FALSE	1086.97	280	0.03228	0.0000406
5472404174840	547240	4174840	8.179454	8.179454	3.004626	3.004626	FALSE	4.12955797	8.179454	FALSE	1068.70	280	0.03228	0.0000406
5472604174840	547260	4174840	8.168337	8.168337	2.836417	2.836417	FALSE	3.89837152	8.168337	FALSE	1050.50	280	0.03228	0.0000406
5472804174840	547280	4174840	8.15735	8.15735	2.571965	2.571965	FALSE	3.5349087	8.15735	FALSE	1032.37	280	0.03228	0.0000406
5473004174840	547300	4174840	8.14988	8.14988	2.382757	2.382757	FALSE	3.27486122	8.14988	FALSE	1014.31	280	0.03228	0.0000406
5473204174840	547320	4174840	8.144371	8.144371	2.236534	2.236534	FALSE	3.07389233	8.144371	FALSE	996.32	280	0.03228	0.0000406
5473404174840	547340	4174840	8.140734	8.140734	2.151733	2.151733	FALSE	2.95734184	8.140734	FALSE	978.41	280	0.03228	0.0000406
5473604174840	547360	4174840	8.137921	8.137921	2.081421	2.081421	FALSE	2.86070502	8.137921	FALSE	960.59	280	0.03228	0.0000406
5473804174840	547380	4174840	8.137784	8.137784	2.078934	2.078934	FALSE	2.85728689	8.137784	FALSE	942.85	280	0.03228	0.0000406
5474004174840	547400	4174840	8.134149	8.134149	1.984275	1.984275	FALSE	2.72718756	8.134149	FALSE	925.20	280	0.03228	0.0000406
5474204174840	547420	4174840	8.133338	8.133338	1.966887	1.966887	FALSE	2.70328949	8.133338	FALSE	907.65	280	0.03228	0.0000406
5474404174840	547440	4174840	8.135223	8.135223	2.023837	2.023837	FALSE	2.78156157	8.135223	FALSE	890.20	280	0.03228	0.0000406
5474604174840	547460	4174840	8.142639	8.142639	2.223698	2.223698	FALSE	3.05625053	8.142639	FALSE	872.86	280	0.03228	0.0000406
5474804174840	547480	4174840	8.149318	8.149318	2.400597	2.400597	FALSE	3.29938052	8.149318	FALSE	855.64	280	0.03228	0.0000406
5475004174840	547500	4174840	8.15329	8.15329	2.477315	2.477315	FALSE	3.40482174	8.15329	FALSE	838.55	280	0.03228	0.0000406
5475204174840	547520	4174840	8.157944	8.157944	2.577345	2.577345	FALSE	3.54230297	8.157944	FALSE	821.58	280	0.03228	0.0000406
5475404174840	547540	4174840	8.16218	8.16218	2.700875	2.700875	FALSE	3.7120826	8.16218	FALSE	804.75	280	0.03228	0.0000406
5475604174840	547560	4174840	8.163284	8.163284	2.738323	2.738323	FALSE	3.76355113	8.163284	FALSE	788.07	280	0.03228	0.0000406
5475804174840	547580	4174840	8.163142	8.163142	2.704819	2.704819	FALSE	3.71750323	8.163142	FALSE	771.55	280	0.03228	0.0000406
5476004174840	547600	4174840	8.169042	8.169042	2.867099	2.867099	FALSE	3.94054087	8.169042	FALSE	755.20	280	0.03228	0.0000406
5476204174840	547620	4174840	8.180115	8.180115	3.172164	3.172164	FALSE	4.3598222	8.180115	FALSE	739.03	280	0.03228	0.0000406
5476404174840	547640	4174840	8.196467	8.196467	3.594682	3.594682	FALSE	4.94053094	8.196467	FALSE	723.04	280	0.03228	0.0000406
5476604174840	547660	4174840	8.21038	8.21038	3.916959	3.916959	FALSE	5.38346845	8.21038	FALSE	707.27	280	0.03228	0.0000406
5476804174840	547680	4174840	8.207535	8.207535	3.892876	3.892876	FALSE	5.35036877	8.207535	FALSE	691.71	280	0.03228	0.0000406
5477004174840	547700	4174840	8.197323	8.197323	3.682366	3.682366	FALSE	5.06104383	8.197323	FALSE	676.38	280	0.03228	0.0000406
5477204174840	547720	4174840	8.193557	8.193557	3.613803	3.613803	FALSE	4.96681084	8.193557	FALSE	661.31	280	0.03228	0.0000406
5477404174840	547740	4174840	8.194116	8.194116	3.651362	3.651362	FALSE	5.01843193	8.194116	FALSE	646.50	280	0.03228	0.0000406
5477604174840	547760	4174840	8.201919	8.201919	3.883793	3.883793	FALSE	5.3378851	8.201919	FALSE	631.98	280	0.03228	0.0000406
5477804174840	547780	4174840	8.207514	8.207514	4.051401	4.051401	FALSE	5.56824553	8.207514	FALSE	617.76	280	0.03228	0.0000406
5478004174840	547800	4174840	8.210023	8.210023	4.124697	4.124697	FALSE	5.66898356	8.210023	FALSE	603.87	280	0.03228	0.0000406
5478204174840	547820	4174840	8.204018	8.204018	3.950315	3.950315	FALSE	5.42931294	8.204018	FALSE	590.33	280	0.03228	0.0000406
5478404174840	547840	4174840	8.201714	8.201714	3.864416	3.864416	FALSE	5.31125335	8.201714	FALSE	577.17	280	0.03228	0.0000406
5478604174840	547860	4174840	8.196208	8.196208	3.690622	3.690622	FALSE	5.07239088	8.196208	FALSE	564.41	280	0.03228	0.0000406
5478804174840	547880	4174840	8.202404	8.202404	3.830973	3.830973	FALSE	5.26528929	8.202404	FALSE	552.08	280	0.03228	0.0000406
5479004174840	547900	4174840	8.213744	8.213744	4.072471	4.072471	FALSE	5.59720414	8.213744	FALSE	540.21	280	0.03228	0.0000406
5479204174840	547920	4174840	8.241847	8.241847	4.653219	4.653219	FALSE	6.39538419	8.241847	FALSE	528.83	280	0.03228	0.0000406
5479404174840	547940	4174840	8.260056	8.260056	5.009956	5.009956	FALSE	6.88568353	8.260056	FALSE	517.97	280	0.03228	0.0000406
5479604174840	547960	4174840	8.219425	8.219425	4.172664	4.172664	FALSE	5.7349094	8.219425	FALSE	507.67	280	0.03228	0.0000406
5479804174840	547980	4174840	8.201259	8.201259	3.736891	3.736891	FALSE	5.13598299	8.201259	FALSE	497.95	280	0.03228	0.0000406
5480004174840	548000	4174840	8.19539	8.19539	3.62086	3.62086	FALSE	4.97650998	8.19539	FALSE	488.87	280	0.03228	0.0000406
5480204174840	548020	4174840	8.196053	8.196053	3.669936	3.669936	FALSE	5.04396004	8.196053	FALSE	480.44	280	0.03228	0.0000406
5480404174840	548040	4174840	8.202299	8.202299	3.868111	3.868111	FALSE	5.31633176	8.202299	FALSE	472.71	280	0.03228	0.0000406
5480604174840	548060	4174840	8.201868	8.201868	3.862949	3.862949	FALSE	5.30923711	8.201868	FALSE	465.72	280	0.03228	0.0000406
5480804174840	548080	4174840	8.201662	8.201662	3.859468	3.859468	FALSE	5.30445282	8.201662	FALSE	459.48	280	0.03228	0.0000406
5481004174840	548100	4174840	8.203498	8.203498	3.887046	3.887046	FALSE	5.34235602	8.203498	FALSE	454.05	280	0.03228	0.0000406
5481204174840	548120	4174840	8.208026	8.208026	3.98995	3.98995	FALSE	5.48378728	8.208026	FALSE	449.43	280	0.03228	0.0000406
5481404174840	548140	4174840	8.19602	8.19602	3.725878	3.725878	FALSE	5.12084672	8.19602	FALSE	445.67	280	0.03228	0.0000406
5481604174840	548160	4174840	8.18751	8.18751	3.511422	3.511422	FALSE	4.8260984	8.18751	FALSE	442.78	280	0.03228	0.0000406
5481804174840	548180	4174840	8.176325	8.176325	3.355337	3.355337	FALSE	4.61157517	8.176325	FALSE	440.79	280	0.03228	0.0000406
5482004174840	548200	4174840	8.170208	8.170208	3.238497	3.238497	FALSE	4.45099028	8.170208	FALSE	439.69	280	0.03228	0.0000406
5482204174840	548220	4174840	8.176102	8.176102	3.409559	3.409559	FALSE	4.68609789	8.176102	FALSE	439.50	280	0.03228	0.0000406
5482404174840	548240	4174840	8.188662	8.188662	3.77045	3.77045	FALSE	5.18210648	8.188662	FALSE	440.22	280	0.03228	0.0000406
5482604174840	548260	4174840	8.200709	8.200709	4.115942	4.115942	FALSE	5.65695068	8.200709	FALSE	441.84	280	0.03228	0.0000406
5482804174840	548280	4174840	8.214569	8.214569	4.516699	4.516699	FALSE	6.20775111	8.214569	FALSE	444.36	280	0.03228	0.0000406
5483004174840	548300	4174840	8.233115	8.233115	5.029262	5.029262	FALSE	6.91221769	8.233115	FALSE	447.76	280	0.03228	0.0000406
5483204174840	548320	4174840	8.271321	8.271321	6.009946	6.009946	FALSE	8.26006978	8.271321	FALSE	452.02	280	0.03228	0.0000406
5483404174840	548340	4174840	8.301084	8.301084	6.939664	6.939664	FALSE	9.5378742	8.301084	FALSE	457.12	280	0.03228	0.0000406
5483604174840	548360	4174840	8.405913	8.405913	9.713257	9.713257	FALSE	13.3499004	8.405913	FALSE	463.02	280	0.03228	0.0000406
5483804174840	548380	4174840	8.411862	8.411862	10.31105	10.31105	FALSE	14.1715099	8.411862	FALSE	469.71	280	0.03228	0.0000406
5484004174840	548400	4174840	8.422573	8.422573	10.86508	10.86508	FALSE	14.9329701	8.422573	FALSE	477.13	280	0.03228	0.0000406
5484204174840	548420	4174840	8.433489	8.433489	11.26595	11.26595	FALSE	15.4839217	8.433489	FALSE	485.27	280	0.03228	0.0000406
5484404174840	548440	4174840	8.429245	8.429245	11.40456	11.40456	FALSE	15.6744204	8.429245	FALSE	494.09	280	0.03228	0.0000406
5484604174840	548460	4174840	8.440418	8.440418	11.85266	11.85266	TRUE	16.2902918	8.440418	TRUE	503.55	280	0.03228	0.0000406
5484804174840	548480	4174840	8.478822	8.478822	13.07839	13.07839	TRUE	17.974942	8.478822	TRUE	513.61	280	0.03228	0.0000406
5485004174840	548500	4174840	8.527257	8.527257	14.59688	14.59688	FALSE	20.061956	8.527257	FALSE	524.24	280	0.03228	0.0000406
5485204174840	548520	4174840	8.588258	8.588258	16.53243	16.53243	TRUE	22.7221745	8.588258	TRUE	535.40	280	0.03228	0.0000406
5485404174840	548540	4174840	8.662174	8.662174	18.89728	18.89728	TRUE	25.9724258	8.662174	TRUE	547.07	280	0.03228	0.0000406
5485604174840	548560	4174840	8.787573	8.787573	22.93604	22.93604	TRUE	31.523292	8.787573	TRUE	559.22	280	0.03228	0.0000406
5485804174840	548580	4174840	9.045724	9.045724	31.3656	31.3656	TRUE	43.1088861	9.045724	TRUE	571.80	280	0.03228	0.0000406
5486004174840	548600	4174840	9.839101	9.839101	54.64905	54.64905	FALSE	75.1096557	9.839101	FALSE	584.80	280	0.03228	0.0000406
5486204174840	548620	4174840	10.67725	10.67725	79.85128	79.85128	FALSE	109.747592	10.677251	FALSE	598.18	280	0.03228	0.0000406
5486404174840	548640	4174840	10.34066	10.34066	69.98121	69.98121	FALSE	96.1821682	10.340655	FALSE	611.93	280	0.03228	0.0000406
5486604174840	548660	4174840	9.731119	9.731119	52.26977	52.26977	TRUE	71.8395691	9.731119	TRUE	626.01	280	0.03228	0.0000406
5486804174840	548680	4174840	9.477621	9.477621	46.92839	46.92839	FALSE	64.4983778	9.477621	FALSE	640.41	280	0.03228	0.0000406
5487004174840	548700	4174840	9.368763	9.368763	46.06248	46.06248	FALSE	63.3082725	9.368763	FALSE	655.10	280	0.03228	0.0000406
5487204174840	548720	4174840	9.115872	9.115872	37.10811	37.10811	TRUE	51.0013864	9.115872	TRUE	670.07	280	0.03228	0.0000406
5487404174840	548740	4174840	8.987435	8.987435	32.69189	32.69189	TRUE	44.9317322	8.987435	TRUE	685.29	280	0.03228	0.0000406
5487604174840	548760	4174840	8.902931	8.902931	29.90319	29.90319	TRUE	41.0989457	8.902931	TRUE	700.75	280	0.03228	0.0000406
5487804174840	548780	4174840	8.84277	8.84277	28.01538	28.01538	TRUE	38.5043383	8.84277	TRUE	716.44	280	0.03228	0.0000406
5488004174840	548800	4174840	8.799418	8.799418	26.85551	26.85551	TRUE	36.9102102	8.799418	TRUE	732.34	280	0.03228	0.0000406
5488204174840	548820	4174840	8.769947	8.769947	26.38251	26.38251	TRUE	36.2601245	8.769947	TRUE	748.44	280	0.03228	0.0000406
5488404174840	548840	4174840	8.773726	8.773726	28.08205	28.08205	FALSE	38.5959709	8.773726	FALSE	764.72	280	0.03228	0.0000406
5488604174840	548860	4174840	8.837683	8.837683	34.13167	34.13167	FALSE	46.9105714	8.837683	FALSE	781.17	280	0.03228	0.0000406

5488804174840	548880	4174840	8.866443	8.866443	36.46672	36.46672	FALSE	50.1198627	8.866443	FALSE	797.78	280	0.03228	0.0000406
5489004174840	548900	4174840	8.811118	8.811118	31.37642	31.37642	FALSE	43.123753	8.811118	FALSE	814.55	280	0.03228	0.0000406
5489204174840	548920	4174840	8.820569	8.820569	30.52919	30.52919	FALSE	41.9593119	8.820569	FALSE	831.46	280	0.03228	0.0000406
5489404174840	548940	4174840	8.90179	8.90179	32.91675	32.91675	FALSE	45.2407853	8.90179	FALSE	848.50	280	0.03228	0.0000406
5489604174840	548960	4174840	9.031998	9.031998	38.37394	38.37394	FALSE	52.7411376	9.031998	FALSE	865.67	280	0.03228	0.0000406
5489804174840	548980	4174840	9.082454	9.082454	40.54107	40.54107	FALSE	55.7196466	9.082454	FALSE	882.96	280	0.03228	0.0000406
5490004174840	549000	4174840	8.854748	8.854748	31.65373	31.65373	FALSE	43.5048838	8.854748	FALSE	900.36	280	0.03228	0.0000406
5471004174860	547100	4174860	8.237858	8.237858	4.4401	4.4401	FALSE	6.10247344	8.237858	FALSE	1190.51	280	0.03228	0.0000406
5471204174860	547120	4174860	8.23942	8.23942	4.490152	4.490152	FALSE	6.17126491	8.23942	FALSE	1171.81	280	0.03228	0.0000406
5471404174860	547140	4174860	8.246306	8.246306	4.646126	4.646126	FALSE	6.38563557	8.246306	FALSE	1153.16	280	0.03228	0.0000406
5471604174860	547160	4174860	8.229319	8.229319	4.233549	4.233549	FALSE	5.81858975	8.229319	FALSE	1134.56	280	0.03228	0.0000406
5471804174860	547180	4174860	8.231077	8.231077	4.220171	4.220171	FALSE	5.80020302	8.231077	FALSE	1116.00	280	0.03228	0.0000406
5472004174860	547200	4174860	8.21822	8.21822	3.904829	3.904829	FALSE	5.36679698	8.21822	FALSE	1097.49	280	0.03228	0.0000406
5472204174860	547220	4174860	8.220507	8.220507	3.914372	3.914372	FALSE	5.37991288	8.220507	FALSE	1079.03	280	0.03228	0.0000406
5472404174860	547240	4174860	8.234106	8.234106	4.154326	4.154326	FALSE	5.70970565	8.234106	FALSE	1060.64	280	0.03228	0.0000406
5472604174860	547260	4174860	8.223758	8.223758	4.028465	4.028465	FALSE	5.5367223	8.223758	FALSE	1042.30	280	0.03228	0.0000406
5472804174860	547280	4174860	8.2035	8.2035	3.599869	3.599869	FALSE	4.94765995	8.2035	FALSE	1024.02	280	0.03228	0.0000406
5473004174860	547300	4174860	8.191046	8.191046	3.330732	3.330732	FALSE	4.57775806	8.191046	FALSE	1005.81	280	0.03228	0.0000406
5473204174860	547320	4174860	8.181051	8.181051	3.101185	3.101185	FALSE	4.26226866	8.181051	FALSE	987.66	280	0.03228	0.0000406
5473404174860	547340	4174860	8.173426	8.173426	2.945671	2.945671	FALSE	4.04853022	8.173426	FALSE	969.60	280	0.03228	0.0000406
5473604174860	547360	4174860	8.169602	8.169602	2.863917	2.863917	FALSE	3.93616752	8.169602	FALSE	951.60	280	0.03228	0.0000406
5473804174860	547380	4174860	8.170958	8.170958	2.904989	2.904989	FALSE	3.99261688	8.170958	FALSE	933.69	280	0.03228	0.0000406
5474004174860	547400	4174860	8.157283	8.157283	2.565114	2.565114	FALSE	3.52549268	8.157283	FALSE	915.87	280	0.03228	0.0000406
5474204174860	547420	4174860	8.151411	8.151411	2.418926	2.418926	FALSE	3.32457189	8.151411	FALSE	898.14	280	0.03228	0.0000406
5474404174860	547440	4174860	8.150818	8.150818	2.41047	2.41047	FALSE	3.31294997	8.150818	FALSE	880.50	280	0.03228	0.0000406
5474604174860	547460	4174860	8.16426	8.16426	2.757683	2.757683	FALSE	3.79015952	8.16426	FALSE	862.97	280	0.03228	0.0000406
5474804174860	547480	4174860	8.173075	8.173075	2.999422	2.999422	FALSE	4.1224056	8.173075	FALSE	845.55	280	0.03228	0.0000406
5475004174860	547500	4174860	8.177076	8.177076	3.086724	3.086724	FALSE	4.24239347	8.177076	FALSE	828.24	280	0.03228	0.0000406
5475204174860	547520	4174860	8.182631	8.182631	3.216478	3.216478	FALSE	4.42072736	8.182631	FALSE	811.06	280	0.03228	0.0000406
5475404174860	547540	4174860	8.189315	8.189315	3.409644	3.409644	FALSE	4.68621471	8.189315	FALSE	794.01	280	0.03228	0.0000406
5475604174860	547560	4174860	8.193648	8.193648	3.537672	3.537672	FALSE	4.8621764	8.193648	FALSE	777.10	280	0.03228	0.0000406
5475804174860	547580	4174860	8.19376	8.19376	3.513113	3.513113	FALSE	4.82842251	8.19376	FALSE	760.34	280	0.03228	0.0000406
5476004174860	547600	4174860	8.198583	8.198583	3.647452	3.647452	FALSE	5.01305803	8.198583	FALSE	743.74	280	0.03228	0.0000406
5476204174860	547620	4174860	8.206759	8.206759	3.87132	3.87132	FALSE	5.32074221	8.206759	FALSE	727.31	280	0.03228	0.0000406
5476404174860	547640	4174860	8.21938	8.21938	4.193295	4.193295	FALSE	5.76326465	8.21938	FALSE	711.07	280	0.03228	0.0000406
5476604174860	547660	4174860	8.234476	8.234476	4.519641	4.519641	FALSE	6.21179459	8.234476	FALSE	695.02	280	0.03228	0.0000406
5476804174860	547680	4174860	8.229702	8.229702	4.465705	4.465705	FALSE	6.13766495	8.229702	FALSE	679.18	280	0.03228	0.0000406
5477004174860	547700	4174860	8.224938	8.224938	4.414657	4.414657	FALSE	6.06750458	8.224938	FALSE	663.56	280	0.03228	0.0000406
5477204174860	547720	4174860	8.223469	8.223469	4.417913	4.417913	FALSE	6.07197963	8.223469	FALSE	648.19	280	0.03228	0.0000406
5477404174860	547740	4174860	8.223787	8.223787	4.454944	4.454944	FALSE	6.12287503	8.223787	FALSE	633.07	280	0.03228	0.0000406
5477604174860	547760	4174860	8.230635	8.230635	4.657808	4.657808	FALSE	6.40169132	8.230635	FALSE	618.23	280	0.03228	0.0000406
5477804174860	547780	4174860	8.235349	8.235349	4.802819	4.802819	FALSE	6.60099443	8.235349	FALSE	603.69	280	0.03228	0.0000406
5478004174860	547800	4174860	8.237688	8.237688	4.876024	4.876024	FALSE	6.70160739	8.237688	FALSE	589.47	280	0.03228	0.0000406
5478204174860	547820	4174860	8.232165	8.232165	4.700302	4.700302	FALSE	6.46009507	8.232165	FALSE	575.60	280	0.03228	0.0000406
5478404174860	547840	4174860	8.227339	8.227339	4.545712	4.545712	FALSE	6.24762657	8.227339	FALSE	562.09	280	0.03228	0.0000406
5478604174860	547860	4174860	8.218075	8.218075	4.262767	4.262767	FALSE	5.85874696	8.218075	FALSE	548.98	280	0.03228	0.0000406
5478804174860	547880	4174860	8.224369	8.224369	4.407337	4.407337	FALSE	6.05744397	8.224369	FALSE	536.30	280	0.03228	0.0000406
5479004174860	547900	4174860	8.235523	8.235523	4.646992	4.646992	FALSE	6.3868258	8.235523	FALSE	524.07	280	0.03228	0.0000406
5479204174860	547920	4174860	8.264361	8.264361	5.244523	5.244523	FALSE	7.20807241	8.264361	FALSE	512.33	280	0.03228	0.0000406
5479404174860	547940	4174860	8.280093	8.280093	5.574814	5.574814	FALSE	7.66202436	8.280093	FALSE	501.11	280	0.03228	0.0000406
5479604174860	547960	4174860	8.245181	8.245181	4.873813	4.873813	FALSE	6.69856859	8.245181	FALSE	490.46	280	0.03228	0.0000406
5479804174860	547980	4174860	8.228438	8.228438	4.479487	4.479487	FALSE	6.15660693	8.228438	FALSE	480.40	280	0.03228	0.0000406
5480004174860	548000	4174860	8.220011	8.220011	4.284387	4.284387	FALSE	5.88846149	8.220011	FALSE	470.97	280	0.03228	0.0000406
5480204174860	548020	4174860	8.219762	8.219762	4.296082	4.296082	FALSE	5.9045351	8.219762	FALSE	462.22	280	0.03228	0.0000406
5480404174860	548040	4174860	8.225942	8.225942	4.479381	4.479381	FALSE	6.15646125	8.225942	FALSE	454.18	280	0.03228	0.0000406
5480604174860	548060	4174860	8.223617	8.223617	4.40883	4.40883	FALSE	6.05949595	8.223617	FALSE	446.89	280	0.03228	0.0000406
5480804174860	548080	4174860	8.222318	8.222318	4.369094	4.369094	FALSE	6.00488279	8.222318	FALSE	440.39	280	0.03228	0.0000406
5481004174860	548100	4174860	8.223447	8.223447	4.378059	4.378059	FALSE	6.01720429	8.223447	FALSE	434.72	280	0.03228	0.0000406
5481204174860	548120	4174860	8.236837	8.236837	4.709651	4.709651	FALSE	6.47294433	8.236837	FALSE	429.90	280	0.03228	0.0000406
5481404174860	548140	4174860	8.224378	8.224378	4.439571	4.439571	FALSE	6.10174638	8.224378	FALSE	425.97	280	0.03228	0.0000406
5481604174860	548160	4174860	8.210802	8.210802	4.088532	4.088532	FALSE	5.61927838	8.210802	FALSE	422.94	280	0.03228	0.0000406
5481804174860	548180	4174860	8.199908	8.199908	3.935396	3.935396	FALSE	5.40880826	8.199908	FALSE	420.85	280	0.03228	0.0000406
5482004174860	548200	4174860	8.194581	8.194581	3.837811	3.837811	FALSE	5.27468744	8.194581	FALSE	419.70	280	0.03228	0.0000406
5482204174860	548220	4174860	8.201983	8.201983	4.046829	4.046829	FALSE	5.56196178	8.201983	FALSE	419.50	280	0.03228	0.0000406
5482404174860	548240	4174860	8.21407	8.21407	4.389492	4.389492	FALSE	6.0329178	8.21407	FALSE	420.25	280	0.03228	0.0000406
5482604174860	548260	4174860	8.225821	8.225821	4.706341	4.706341	FALSE	6.46839507	8.225821	FALSE	421.96	280	0.03228	0.0000406
5482804174860	548280	4174860	8.241724	8.241724	5.111164	5.111164	FALSE	7.0247838	8.241724	FALSE	424.59	280	0.03228	0.0000406
5483004174860	548300	4174860	8.292657	8.292657	6.374307	6.374307	FALSE	8.76084754	8.292657	FALSE	428.15	280	0.03228	0.0000406
5483204174860	548320	4174860	8.288153	8.288153	6.46928	6.46928	FALSE	8.89137843	8.288153	FALSE	432.60	280	0.03228	0.0000406
5483404174860	548340	4174860	8.345962	8.345962	7.944624	7.944624	FALSE	10.9190912	8.345962	FALSE	437.93	280	0.03228	0.0000406
5483604174860	548360	4174860	8.346044	8.346044	8.558995	8.558995	FALSE	11.7634827	8.346044	FALSE	444.09	280	0.03228	0.0000406
5483804174860	548380	4174860	8.37354	8.37354	9.616818	9.616818	FALSE	13.2173547	8.37354	FALSE	451.05	280	0.03228	0.0000406
5484004174860	548400	4174860	8.403673	8.403673	10.56033	10.56033	FALSE	14.5141176	8.403673	FALSE	458.78	280	0.03228	0.0000406
5484204174860	548420	4174860	8.429187	8.429187	11.3854	11.3854	FALSE	15.6480883	8.429187	FALSE	467.24	280	0.03228	0.0000406
5484404174860	548440	4174860	8.456102	8.456102	12.21258	12.21258	TRUE	16.7849754	8.456102	TRUE	476.39	280	0.03228	0.0000406
5484604174860	548460	4174860	8.467772	8.467772	12.70813	12.70813	TRUE	17.4660525	8.467772	TRUE	486.19	280	0.03228	0.0000406
5484804174860	548480	4174860	8.526326	8.526326	14.58722	14.58722	TRUE	20.0486807	8.526326	TRUE	496.60	280	0.03228	0.0000406
5485004174860	548500	4174860	8.596465	8.596465	16.82867	16.82867	TRUE	23.1293295	8.596465	TRUE	507.59	280	0.03228	0.0000406
5485204174860	548520	4174860	8.674504	8.674504	19.3592	19.3592	FALSE	26.6072886	8.674504	FALSE	519.11	280	0.03228	0.0000406
5485404174860	548540	4174860	8.732751	8.732751	21.28866	21.28866	TRUE	29.2591274	8.732751	TRUE	531.14	280	0.03228	0.0000406
5485604174860	548560	4174860	8.834236	8.834236	24.63569	24.63569	TRUE	33.8592978	8.834236	TRUE	543.64	280	0.03228	0.0000406
5485804174860	548580	4174860	9.035119	9.035119	31.31567	31.31567	FALSE	43.0402514	9.035119	FALSE	556.58	280	0.03228	0.0000406
5486004174860	548600	4174860	9.748955	9.748955	52.62641	52.62641	FALSE	72.3297352	9.748955	FALSE	569.92	280	0.03228	0.0000406
5486204174860	548620	4174860	10.56865	10.56865	78.35387	78.35387	FALSE	107.689555	10.568649	FALSE	583.65	280	0.03228	0.0000406
5486404174860	548640	4174860	10.63489	10.63489	80.84023	80.84023	FALSE	111.106807	10.634892	FALSE	597.73	280	0.03228	0.0000406
5486604174860	548660	4174860	9.821492	9.821492	56.18669	56.18669	TRUE	77.2229826	9.821492	TRUE	612.14	280	0.03228	0.0000406
5486804174860	548680	4174860	9.45593	9.45593	45.40207	45.40207	TRUE	62.4006009	9.45593	TRUE	626.85	280	0.03228	0.0000406
5487004174860	548700	4174860	9.343737	9.343737	42.58073	42.58073	FALSE	58.5229594	9.343737	FALSE	641.86	280	0.03228	0.0000406
5487204174860	548720	4174860	9.150584	9.150584	36.9129	36.9129	TRUE	50.733087	9.150584	TRUE	657.12	280	0.03228	0.0000406
5487404174860	548740	4174860	9.011524	9.011524	32.79899	32.79899	TRUE	45.078936	9.011524	TRUE	672.64	280	0.03228	0.0000406
5487604174860	548760	4174860	8.9268	8.9268	30.31235	30.31235	TRUE	41.6612897	8.9268	TRUE	688.39	280	0.03228	0.0000406
5487804174860	548780	4174860	8.863874	8.863874	28.37573	28.37573	TRUE	38.9995964	8.863874	TRUE	704.35	280	0.03228	0.0000406
5488004174860	548800	4174860	8.817528	8.817528	27.09718	27.09718	TRUE	37.2423697	8.817528	TRUE	720.52	280	0.03228	0.0000406
5488204174860	548820	4174860	8.787135	8.787135	26.53912	26.53912	TRUE	36.4753597	8.787135	TRUE	736.87	280	0.03228	0.0000406

5488404174860	548840	4174860	8.788527	8.788527	27.85809	27.85809	TRUE	38.288152	8.788527	TRUE	753.40	280	0.03228	0.0000406
5488604174860	548860	4174860	8.833381	8.833381	31.96288	31.96288	FALSE	43.9297823	8.833381	FALSE	770.09	280	0.03228	0.0000406
5488804174860	548880	4174860	8.860714	8.860714	33.66656	33.66656	FALSE	46.2713146	8.860714	FALSE	786.94	280	0.03228	0.0000406
5489004174860	548900	4174860	8.89988	8.89988	35.64067	35.64067	FALSE	48.98453	8.89988	FALSE	803.94	280	0.03228	0.0000406
5489204174860	548920	4174860	8.943203	8.943203	35.22707	35.22707	FALSE	48.4160864	8.943203	FALSE	821.06	280	0.03228	0.0000406
5489404174860	548940	4174860	9.190182	9.190182	42.81143	42.81143	FALSE	58.840028	9.190182	FALSE	838.32	280	0.03228	0.0000406
5489604174860	548960	4174860	9.097241	9.097241	40.96733	40.96733	FALSE	56.3055025	9.097241	FALSE	855.69	280	0.03228	0.0000406
5489804174860	548980	4174860	8.870437	8.870437	32.05868	32.05868	FALSE	44.0614429	8.870437	FALSE	873.18	280	0.03228	0.0000406
5490004174860	549000	4174860	8.764591	8.764591	28.00086	28.00086	FALSE	38.4843792	8.764591	FALSE	890.77	280	0.03228	0.0000406
5490204174860	549020	4174860	8.697447	8.697447	25.52156	25.52156	FALSE	35.0768279	8.697447	FALSE	908.47	280	0.03228	0.0000406
5470804174880	547080	4174880	8.215333	8.215333	4.043566	4.043566	FALSE	5.55747711	8.215333	FALSE	1202.46	280	0.03228	0.0000406
5471004174880	547100	4174880	8.22455	8.22455	4.251832	4.251832	FALSE	5.8437179	8.22455	FALSE	1183.61	280	0.03228	0.0000406
5471204174880	547120	4174880	8.240924	8.240924	4.620819	4.620819	FALSE	6.35085363	8.240924	FALSE	1164.80	280	0.03228	0.0000406
5471404174880	547140	4174880	8.227884	8.227884	4.358857	4.358857	FALSE	5.99081306	8.227884	FALSE	1146.04	280	0.03228	0.0000406
5471604174880	547160	4174880	8.217475	8.217475	4.098209	4.098209	FALSE	5.63257845	8.217475	FALSE	1127.31	280	0.03228	0.0000406
5471804174880	547180	4174880	8.214779	8.214779	4.001334	4.001334	FALSE	5.49943345	8.214779	FALSE	1108.63	280	0.03228	0.0000406
5472004174880	547200	4174880	8.206437	8.206437	3.761257	3.761257	FALSE	5.16947162	8.206437	FALSE	1090.00	280	0.03228	0.0000406
5472204174880	547220	4174880	8.201239	8.201239	3.615575	3.615575	FALSE	4.96924628	8.201239	FALSE	1071.42	280	0.03228	0.0000406
5472404174880	547240	4174880	8.201035	8.201035	3.570601	3.570601	FALSE	4.90743401	8.201035	FALSE	1052.89	280	0.03228	0.0000406
5472604174880	547260	4174880	8.212927	8.212927	3.896136	3.896136	FALSE	5.35484932	8.212927	FALSE	1034.41	280	0.03228	0.0000406
5472804174880	547280	4174880	8.238519	8.238519	4.374563	4.374563	FALSE	6.01239939	8.238519	FALSE	1015.99	280	0.03228	0.0000406
5473004174880	547300	4174880	8.27095	8.27095	5.011167	5.011167	FALSE	6.88734792	8.27095	FALSE	997.63	280	0.03228	0.0000406
5473204174880	547320	4174880	8.256712	8.256712	4.692883	4.692883	FALSE	6.4498984	8.256712	FALSE	979.34	280	0.03228	0.0000406
5473404174880	547340	4174880	8.25237	8.25237	4.644386	4.644386	FALSE	6.38324412	8.25237	FALSE	961.11	280	0.03228	0.0000406
5473604174880	547360	4174880	8.248576	8.248576	4.594619	4.594619	FALSE	6.31484435	8.248576	FALSE	942.96	280	0.03228	0.0000406
5473804174880	547380	4174880	8.250495	8.250495	4.669945	4.669945	FALSE	6.41837241	8.250495	FALSE	924.88	280	0.03228	0.0000406
5474004174880	547400	4174880	8.229113	8.229113	4.180348	4.180348	FALSE	5.74547029	8.229113	FALSE	906.88	280	0.03228	0.0000406
5474204174880	547420	4174880	8.2178	8.2178	3.918152	3.918152	FALSE	5.38510811	8.2178	FALSE	888.97	280	0.03228	0.0000406
5474404174880	547440	4174880	8.209742	8.209742	3.74641	3.74641	FALSE	5.1490659	8.209742	FALSE	871.15	280	0.03228	0.0000406
5474604174880	547460	4174880	8.222163	8.222163	4.067931	4.067931	FALSE	5.59096437	8.222163	FALSE	853.43	280	0.03228	0.0000406
5474804174880	547480	4174880	8.225882	8.225882	4.229279	4.229279	FALSE	5.81272106	8.225882	FALSE	835.80	280	0.03228	0.0000406
5475004174880	547500	4174880	8.234139	8.234139	4.466922	4.466922	FALSE	6.1393376	8.234139	FALSE	818.29	280	0.03228	0.0000406
5475204174880	547520	4174880	8.231367	8.231367	4.381311	4.381311	FALSE	6.02167384	8.231367	FALSE	800.90	280	0.03228	0.0000406
5475404174880	547540	4174880	8.234243	8.234243	4.476491	4.476491	FALSE	6.15248923	8.234243	FALSE	783.63	280	0.03228	0.0000406
5475604174880	547560	4174880	8.239901	8.239901	4.643956	4.643956	FALSE	6.38265313	8.239901	FALSE	766.49	280	0.03228	0.0000406
5475804174880	547580	4174880	8.247712	8.247712	4.819025	4.819025	FALSE	6.62326796	8.247712	FALSE	749.49	280	0.03228	0.0000406
5476004174880	547600	4174880	8.256165	8.256165	5.056928	5.056928	FALSE	6.95024184	8.256165	FALSE	732.65	280	0.03228	0.0000406
5476204174880	547620	4174880	8.265164	8.265164	5.312085	5.312085	FALSE	7.30092962	8.265164	FALSE	715.96	280	0.03228	0.0000406
5476404174880	547640	4174880	8.274845	8.274845	5.560608	5.560608	FALSE	7.64249964	8.274845	FALSE	699.45	280	0.03228	0.0000406
5476604174880	547660	4174880	8.270634	8.270634	5.504559	5.504559	FALSE	7.56546589	8.270634	FALSE	683.13	280	0.03228	0.0000406
5476804174880	547680	4174880	8.27663	8.27663	5.612485	5.612486	FALSE	7.71380076	8.27663	FALSE	667.01	280	0.03228	0.0000406
5477004174880	547700	4174880	8.270676	8.270676	5.54076	5.54076	FALSE	7.61522054	8.270676	FALSE	651.10	280	0.03228	0.0000406
5477204174880	547720	4174880	8.270217	8.270217	5.581089	5.581089	FALSE	7.67064872	8.270217	FALSE	635.43	280	0.03228	0.0000406
5477404174880	547740	4174880	8.273923	8.273923	5.72246	5.72246	FALSE	7.86494902	8.273923	FALSE	620.00	280	0.03228	0.0000406
5477604174880	547760	4174880	8.273473	8.273473	5.721759	5.721759	FALSE	7.86398557	8.273473	FALSE	604.84	280	0.03228	0.0000406
5477804174880	547780	4174880	8.273356	8.273356	5.726975	5.726975	FALSE	7.87115444	8.273356	FALSE	589.97	280	0.03228	0.0000406
5478004174880	547800	4174880	8.272792	8.272792	5.712811	5.712811	FALSE	7.85168744	8.272792	FALSE	575.41	280	0.03228	0.0000406
5478204174880	547820	4174880	8.263699	8.263699	5.430903	5.430903	FALSE	7.46423308	8.263699	FALSE	561.19	280	0.03228	0.0000406
5478404174880	547840	4174880	8.259396	8.259396	5.298279	5.298279	FALSE	7.28195466	8.259396	FALSE	547.33	280	0.03228	0.0000406
5478604174880	547860	4174880	8.253568	8.253568	5.128799	5.128799	FALSE	7.04902135	8.253568	FALSE	533.86	280	0.03228	0.0000406
5478804174880	547880	4174880	8.262775	8.262775	5.36123	5.36123	FALSE	7.36847451	8.262775	FALSE	520.80	280	0.03228	0.0000406
5479004174880	547900	4174880	8.275856	8.275856	5.655541	5.655541	FALSE	7.77297555	8.275856	FALSE	508.20	280	0.03228	0.0000406
5479204174880	547920	4174880	8.306835	8.306835	6.301056	6.301056	FALSE	8.66017137	8.306835	FALSE	496.09	280	0.03228	0.0000406
5479404174880	547940	4174880	8.330188	8.330188	6.821303	6.821303	FALSE	9.37519884	8.330188	FALSE	484.49	280	0.03228	0.0000406
5479604174880	547960	4174880	8.291145	8.291145	6.057796	6.057796	FALSE	8.32583482	8.291145	FALSE	473.46	280	0.03228	0.0000406
5479804174880	547980	4174880	8.273439	8.273439	5.639351	5.639351	FALSE	7.75072401	8.273439	FALSE	463.04	280	0.03228	0.0000406
5480004174880	548000	4174880	8.265378	8.265378	5.442529	5.442529	FALSE	7.48021186	8.265378	FALSE	453.25	280	0.03228	0.0000406
5480204174880	548020	4174880	8.267888	8.267888	5.486925	5.486925	FALSE	7.54122972	8.267888	FALSE	444.15	280	0.03228	0.0000406
5480404174880	548040	4174880	8.27514	8.27514	5.659915	5.659915	FALSE	7.77898718	8.27514	FALSE	435.78	280	0.03228	0.0000406
5480604174880	548060	4174880	8.269315	8.269315	5.480262	5.480262	FALSE	7.53207209	8.269315	FALSE	428.18	280	0.03228	0.0000406
5480804174880	548080	4174880	8.268038	8.268038	5.435974	5.435974	FALSE	7.47120267	8.268038	FALSE	421.39	280	0.03228	0.0000406
5481004174880	548100	4174880	8.274499	8.274499	5.580505	5.580505	FALSE	7.66984607	8.274499	FALSE	415.45	280	0.03228	0.0000406
5481204174880	548120	4174880	8.282249	8.282249	5.778176	5.778176	FALSE	7.94152509	8.282249	FALSE	410.41	280	0.03228	0.0000406
5481404174880	548140	4174880	8.273745	8.273745	5.603232	5.603232	FALSE	7.70108206	8.273745	FALSE	406.29	280	0.03228	0.0000406
5481604174880	548160	4174880	8.267391	8.267391	5.434238	5.434238	FALSE	7.46881671	8.267391	FALSE	403.11	280	0.03228	0.0000406
5481804174880	548180	4174880	8.254316	8.254316	5.207695	5.207695	FALSE	7.15745601	8.254316	FALSE	400.92	280	0.03228	0.0000406
5482004174880	548200	4174880	8.245778	8.245778	5.017469	5.017469	FALSE	6.89600939	8.245778	FALSE	399.71	280	0.03228	0.0000406
5482204174880	548220	4174880	8.247094	8.247094	5.06212	5.06212	FALSE	6.95737773	8.247094	FALSE	399.50	280	0.03228	0.0000406
5482404174880	548240	4174880	8.258997	8.258997	5.386083	5.386083	FALSE	7.40263248	8.258997	FALSE	400.29	280	0.03228	0.0000406
5482604174880	548260	4174880	8.277533	8.277533	5.837406	5.837406	FALSE	8.02293081	8.277533	FALSE	402.08	280	0.03228	0.0000406
5482804174880	548280	4174880	8.332833	8.332833	7.073933	7.073933	FALSE	9.72241352	8.332833	FALSE	404.85	280	0.03228	0.0000406
5483004174880	548300	4174880	8.30029	8.30029	6.532028	6.532028	FALSE	8.97761928	8.30029	FALSE	408.58	280	0.03228	0.0000406
5483204174880	548320	4174880	8.288707	8.288707	6.542781	6.542781	FALSE	8.99239821	8.288707	FALSE	413.24	280	0.03228	0.0000406
5483404174880	548340	4174880	8.305194	8.305194	7.317541	7.317541	FALSE	10.0572284	8.305194	FALSE	418.81	280	0.03228	0.0000406
5483604174880	548360	4174880	8.329807	8.329807	8.220141	8.220141	FALSE	11.2977618	8.329807	FALSE	425.25	280	0.03228	0.0000406
5483804174880	548380	4174880	8.34942	8.34942	9.025598	9.025598	FALSE	12.4047819	8.34942	FALSE	432.51	280	0.03228	0.0000406
5484004174880	548400	4174880	8.37794	8.37794	9.951957	9.951957	FALSE	13.6779697	8.37794	FALSE	440.57	280	0.03228	0.0000406
5484204174880	548420	4174880	8.421817	8.421817	11.17588	11.17588	FALSE	15.360124	8.421817	FALSE	449.37	280	0.03228	0.0000406
5484404174880	548440	4174880	8.464858	8.464858	12.46335	12.46335	FALSE	17.1296324	8.464858	FALSE	458.88	280	0.03228	0.0000406
5484604174880	548460	4174880	8.500372	8.500372	13.74362	13.74362	TRUE	18.8892313	8.500372	TRUE	469.04	280	0.03228	0.0000406
5484804174880	548480	4174880	8.564526	8.564526	15.86183	15.86183	TRUE	21.8004978	8.564526	TRUE	479.83	280	0.03228	0.0000406
5485004174880	548500	4174880	8.628697	8.628697	17.97257	17.97257	TRUE	24.7014988	8.628697	TRUE	491.19	280	0.03228	0.0000406
5485204174880	548520	4174880	8.68154	8.68154	19.73648	19.73648	FALSE	27.1258181	8.68154	FALSE	503.09	280	0.03228	0.0000406
5485404174880	548540	4174880	8.721289	8.721289	21.09738	21.09738	TRUE	28.9962446	8.721289	TRUE	515.49	280	0.03228	0.0000406
5485604174880	548560	4174880	8.813091	8.813091	24.18357	24.18357	TRUE	33.2378931	8.813091	TRUE	528.36	280	0.03228	0.0000406
5485804174880	548580	4174880	9.017737	9.017737	31.07238	31.07238	FALSE	42.7058763	9.017737	FALSE	541.66	280	0.03228	0.0000406
5486004174880	548600	4174880	9.74614	9.74614	53.0945	53.0945	FALSE	72.9730808	9.74614	FALSE	555.37	280	0.03228	0.0000406
5486204174880	548620	4174880	10.05731	10.05731	64.31253	64.31253	FALSE	88.391144	10.057308	FALSE	569.44	280	0.03228	0.0000406
5486404174880	548640	4174880	10.06671	10.06671	66.99792	66.99792	FALSE	92.0819426	10.066713	FALSE	583.87	280	0.03228	0.0000406
5486604174880	548660	4174880	9.945473	9.945473	60.67428	60.67428	TRUE	83.3907277	9.945473	TRUE	598.61	280	0.03228	0.0000406
5486804174880	548680	4174880	9.491453	9.491453	46.70402	46.70402	TRUE	64.1900023	9.491453	TRUE	613.65	280	0.03228	0.0000406
5487004174880	548700	4174880	9.33308	9.33308	42.14069	42.14069	FALSE	57.9181685	9.33308	FALSE	628.97	280	0.03228	0.0000406
5487204174880	548720	4174880	9.184203	9.184203	37.78695	37.78695	FALSE	51.9343841	9.184203	FALSE	644.54	280	0.03228	0.0000406
5487404174880	548740	4174880	9.054987	9.054987	33.99447	33.99447	TRUE	46.7220037	9.054987	TRUE	660.35	280	0.03228	0.0000406

5487604174880	548760	4174880	8.965015	8.965015	31.44299	31.44299	TRUE	43.2152413	8.965015	TRUE	676.39	280	0.03228	0.0000406
5487804174880	548780	4174880	8.898317	8.898317	29.4388	29.4388	TRUE	40.4606922	8.898317	TRUE	692.63	280	0.03228	0.0000406
5488004174880	548800	4174880	8.850837	8.850837	28.14351	28.14351	TRUE	38.6804333	8.850837	TRUE	709.06	280	0.03228	0.0000406
5488204174880	548820	4174880	8.821219	8.821219	27.58516	27.58516	TRUE	37.9130425	8.821219	TRUE	725.67	280	0.03228	0.0000406
5488404174880	548840	4174880	8.82595	8.82595	28.80473	28.80473	TRUE	39.5892223	8.82595	TRUE	742.45	280	0.03228	0.0000406
5488604174880	548860	4174880	8.866108	8.866108	31.92288	31.92288	FALSE	43.874809	8.866108	FALSE	759.39	280	0.03228	0.0000406
5488804174880	548880	4174880	8.969724	8.969724	39.36845	39.36845	FALSE	54.1079991	8.969724	FALSE	776.47	280	0.03228	0.0000406
5489004174880	548900	4174880	9.069187	9.069187	43.71682	43.71682	FALSE	60.0843988	9.069187	FALSE	793.68	280	0.03228	0.0000406
5489204174880	548920	4174880	9.086509	9.086509	41.79885	41.79885	FALSE	57.4483367	9.086509	FALSE	811.03	280	0.03228	0.0000406
5489404174880	548940	4174880	9.167618	9.167618	44.21338	44.21338	FALSE	60.766875	9.167618	FALSE	828.49	280	0.03228	0.0000406
5489604174880	548960	4174880	8.894123	8.894123	32.9808	32.9808	FALSE	45.3288046	8.894123	FALSE	846.07	280	0.03228	0.0000406
5489804174880	548980	4174880	8.781161	8.781161	28.49202	28.49202	FALSE	39.1594268	8.781161	FALSE	863.75	280	0.03228	0.0000406
5490004174880	549000	4174880	8.714263	8.714263	25.92835	25.92835	FALSE	35.6359187	8.714263	FALSE	881.53	280	0.03228	0.0000406
5490204174880	549020	4174880	8.664009	8.664009	24.0676	24.0676	FALSE	33.0785122	8.664009	FALSE	899.41	280	0.03228	0.0000406
5470804174900	547080	4174900	8.214873	8.214873	4.108915	4.108915	FALSE	5.64729278	8.214873	FALSE	1195.96	280	0.03228	0.0000406
5471004174900	547100	4174900	8.223435	8.223435	4.297295	4.297295	FALSE	5.90620225	8.223435	FALSE	1177.01	280	0.03228	0.0000406
5471204174900	547120	4174900	8.222873	8.222873	4.304906	4.304906	FALSE	5.91666281	8.222873	FALSE	1158.10	280	0.03228	0.0000406
5471404174900	547140	4174900	8.224612	8.224612	4.343949	4.343949	FALSE	5.97032351	8.224612	FALSE	1139.22	280	0.03228	0.0000406
5471604174900	547160	4174900	8.216607	8.216607	4.155819	4.155819	FALSE	5.71175763	8.216607	FALSE	1120.38	280	0.03228	0.0000406
5471804174900	547180	4174900	8.215972	8.215972	4.112565	4.112565	FALSE	5.65230934	8.215972	FALSE	1101.59	280	0.03228	0.0000406
5472004174900	547200	4174900	8.208294	8.208294	3.882759	3.882759	FALSE	5.33646397	8.208294	FALSE	1082.83	280	0.03228	0.0000406
5472204174900	547220	4174900	8.202347	8.202347	3.720327	3.720327	FALSE	5.11321743	8.202347	FALSE	1064.12	280	0.03228	0.0000406
5472404174900	547240	4174900	8.197406	8.197406	3.570552	3.570552	FALSE	4.90736667	8.197406	FALSE	1045.46	280	0.03228	0.0000406
5472604174900	547260	4174900	8.197741	8.197741	3.666469	3.666469	FALSE	5.03919499	8.197741	FALSE	1026.85	280	0.03228	0.0000406
5472804174900	547280	4174900	8.198551	8.198551	3.625839	3.625839	FALSE	4.98335312	8.198551	FALSE	1008.29	280	0.03228	0.0000406
5473004174900	547300	4174900	8.205449	8.205449	3.741779	3.741779	FALSE	5.14270106	8.205449	FALSE	989.79	280	0.03228	0.0000406
5473204174900	547320	4174900	8.213261	8.213261	3.884842	3.884842	FALSE	5.33932684	8.213261	FALSE	971.35	280	0.03228	0.0000406
5473404174900	547340	4174900	8.222447	8.222447	4.137858	4.137858	FALSE	5.68707204	8.222447	FALSE	952.97	280	0.03228	0.0000406
5473604174900	547360	4174900	8.226891	8.226891	4.268809	4.268809	FALSE	5.86705109	8.226891	FALSE	934.66	280	0.03228	0.0000406
5473804174900	547380	4174900	8.231107	8.231107	4.394873	4.394873	FALSE	6.04031345	8.231107	FALSE	916.42	280	0.03228	0.0000406
5474004174900	547400	4174900	8.226821	8.226821	4.276031	4.276031	FALSE	5.87697701	8.226821	FALSE	898.25	280	0.03228	0.0000406
5474204174900	547420	4174900	8.223686	8.223686	4.200027	4.200027	FALSE	5.77251711	8.223686	FALSE	880.17	280	0.03228	0.0000406
5474404174900	547440	4174900	8.223034	8.223034	4.196268	4.196268	FALSE	5.76735074	8.223034	FALSE	862.16	280	0.03228	0.0000406
5474604174900	547460	4174900	8.228795	8.228795	4.377131	4.377131	FALSE	6.01592885	8.228795	FALSE	844.25	280	0.03228	0.0000406
5474804174900	547480	4174900	8.23627	8.23627	4.620051	4.620051	FALSE	6.34979809	8.23627	FALSE	826.43	280	0.03228	0.0000406
5475004174900	547500	4174900	8.24482	8.24482	4.868703	4.868703	FALSE	6.6915454	8.24482	FALSE	808.72	280	0.03228	0.0000406
5475204174900	547520	4174900	8.244918	8.244918	4.823952	4.823952	FALSE	6.63003963	8.244918	FALSE	791.11	280	0.03228	0.0000406
5475404174900	547540	4174900	8.247947	8.247947	4.909373	4.909373	FALSE	6.74744225	8.247947	FALSE	773.62	280	0.03228	0.0000406
5475604174900	547560	4174900	8.252408	8.252408	5.036359	5.036359	FALSE	6.92197181	8.252408	FALSE	756.26	280	0.03228	0.0000406
5475804174900	547580	4174900	8.258681	8.258681	5.181634	5.181634	FALSE	7.12163777	8.258681	FALSE	739.02	280	0.03228	0.0000406
5476004174900	547600	4174900	8.268158	8.268158	5.45016	5.45016	FALSE	7.4906999	8.268158	FALSE	721.94	280	0.03228	0.0000406
5476204174900	547620	4174900	8.278532	8.278532	5.745591	5.745591	FALSE	7.89674027	8.278532	FALSE	705.00	280	0.03228	0.0000406
5476404174900	547640	4174900	8.288783	8.288783	5.998457	5.998457	FALSE	8.2442793	8.288783	FALSE	688.23	280	0.03228	0.0000406
5476604174900	547660	4174900	8.286593	8.286593	5.974369	5.974369	FALSE	8.21117275	8.286593	FALSE	671.63	280	0.03228	0.0000406
5476804174900	547680	4174900	8.292035	8.292035	6.072025	6.072025	FALSE	8.34539116	8.292035	FALSE	655.23	280	0.03228	0.0000406
5477004174900	547700	4174900	8.289033	8.289033	6.06535	6.06535	FALSE	8.33621704	8.289033	FALSE	639.03	280	0.03228	0.0000406
5477204174900	547720	4174900	8.289905	8.289905	6.139647	6.139647	FALSE	8.43833084	8.289905	FALSE	623.05	280	0.03228	0.0000406
5477404174900	547740	4174900	8.293498	8.293498	6.284886	6.284886	FALSE	8.63794732	8.293498	FALSE	607.31	280	0.03228	0.0000406
5477604174900	547760	4174900	8.289793	8.289793	6.187764	6.187764	FALSE	8.50446284	8.289793	FALSE	591.83	280	0.03228	0.0000406
5477804174900	547780	4174900	8.286326	8.286326	6.092054	6.092054	FALSE	8.37291902	8.286326	FALSE	576.62	280	0.03228	0.0000406
5478004174900	547800	4174900	8.282437	8.282437	5.97733	5.97733	FALSE	8.21524235	8.282437	FALSE	561.72	280	0.03228	0.0000406
5478204174900	547820	4174900	8.274322	8.274322	5.714396	5.714396	FALSE	7.85386586	8.274322	FALSE	547.14	280	0.03228	0.0000406
5478404174900	547840	4174900	8.275528	8.275528	5.719154	5.719154	FALSE	7.86040526	8.275528	FALSE	532.91	280	0.03228	0.0000406
5478604174900	547860	4174900	8.278513	8.278513	5.779513	5.779513	FALSE	7.94336267	8.278513	FALSE	519.06	280	0.03228	0.0000406
5478804174900	547880	4174900	8.29003	8.29003	6.066388	6.066388	FALSE	8.33764367	8.29003	FALSE	505.63	280	0.03228	0.0000406
5479004174900	547900	4174900	8.305022	8.305022	6.405722	6.405722	FALSE	8.80402432	8.305022	FALSE	492.64	280	0.03228	0.0000406
5479204174900	547920	4174900	8.345687	8.345687	7.250517	7.250517	FALSE	9.96511056	8.345687	FALSE	480.13	280	0.03228	0.0000406
5479404174900	547940	4174900	8.363622	8.363622	7.635932	7.635932	FALSE	10.4948249	8.363622	FALSE	468.14	280	0.03228	0.0000406
5479604174900	547960	4174900	8.317074	8.317074	6.726782	6.726782	FALSE	9.24528918	8.317074	FALSE	456.72	280	0.03228	0.0000406
5479804174900	547980	4174900	8.302166	8.302166	6.398143	6.398143	FALSE	8.79360774	8.302166	FALSE	445.90	280	0.03228	0.0000406
5480004174900	548000	4174900	8.296317	8.296317	6.26367	6.26367	FALSE	8.60878805	8.296317	FALSE	435.73	280	0.03228	0.0000406
5480204174900	548020	4174900	8.302962	8.302962	6.392394	6.392394	FALSE	8.78570631	8.302962	FALSE	426.25	280	0.03228	0.0000406
5480404174900	548040	4174900	8.321108	8.321108	6.7598	6.7598	FALSE	9.29066912	8.321108	FALSE	417.52	280	0.03228	0.0000406
5480604174900	548060	4174900	8.321875	8.321875	6.70621	6.70621	FALSE	9.21701502	8.321875	FALSE	409.58	280	0.03228	0.0000406
5480804174900	548080	4174900	8.322089	8.322089	6.695162	6.695162	FALSE	9.20183065	8.322089	FALSE	402.48	280	0.03228	0.0000406
5481004174900	548100	4174900	8.324537	8.324537	6.767338	6.767338	FALSE	9.30102935	8.324537	FALSE	396.26	280	0.03228	0.0000406
5481204174900	548120	4174900	8.326311	8.326311	6.813682	6.813682	FALSE	9.36472454	8.326311	FALSE	390.97	280	0.03228	0.0000406
5481404174900	548140	4174900	8.323706	8.323706	6.756194	6.756194	FALSE	9.28571303	8.323706	FALSE	386.64	280	0.03228	0.0000406
5481604174900	548160	4174900	8.32046	8.32046	6.673694	6.673694	FALSE	9.17232503	8.32046	FALSE	383.31	280	0.03228	0.0000406
5481804174900	548180	4174900	8.305361	8.305361	6.375301	6.375301	FALSE	8.76221369	8.305361	FALSE	380.99	280	0.03228	0.0000406
5482004174900	548200	4174900	8.291574	8.291574	6.037291	6.037291	FALSE	8.29765275	8.291574	FALSE	379.72	280	0.03228	0.0000406
5482204174900	548220	4174900	8.301951	8.301951	6.279716	6.279716	FALSE	8.63084167	8.301951	FALSE	379.50	280	0.03228	0.0000406
5482404174900	548240	4174900	8.313869	8.313869	6.566286	6.566286	FALSE	9.02470348	8.313869	FALSE	380.34	280	0.03228	0.0000406
5482604174900	548260	4174900	8.286779	8.286779	6.040834	6.040834	FALSE	8.30252225	8.286779	FALSE	382.22	280	0.03228	0.0000406
5482804174900	548280	4174900	8.254968	8.254968	5.430245	5.430245	FALSE	7.46332873	8.254968	FALSE	385.13	280	0.03228	0.0000406
5483004174900	548300	4174900	8.247705	8.247705	5.425645	5.425645	FALSE	7.45700649	8.247705	FALSE	389.05	280	0.03228	0.0000406
5483204174900	548320	4174900	8.260372	8.260372	5.98048	5.98048	FALSE	8.21957171	8.260372	FALSE	393.94	280	0.03228	0.0000406
5483404174900	548340	4174900	8.308461	8.308461	7.460191	7.460191	FALSE	10.2532865	8.308461	FALSE	399.78	280	0.03228	0.0000406
5483604174900	548360	4174900	8.328445	8.328445	8.183583	8.183583	FALSE	11.2475165	8.328445	FALSE	406.52	280	0.03228	0.0000406
5483804174900	548380	4174900	8.340372	8.340372	8.796769	8.796769	FALSE	12.0902793	8.340372	FALSE	414.11	280	0.03228	0.0000406
5484004174900	548400	4174900	8.367045	8.367045	9.700925	9.700925	FALSE	13.3329513	8.367045	FALSE	422.52	280	0.03228	0.0000406
5484204174900	548420	4174900	8.409526	8.409526	10.95674	10.95674	FALSE	15.0589407	8.409526	FALSE	431.69	280	0.03228	0.0000406
5484404174900	548440	4174900	8.479368	8.479368	12.8658	12.8658	FALSE	17.6827541	8.479368	FALSE	441.58	280	0.03228	0.0000406
5484604174900	548460	4174900	8.534075	8.534075	14.7752	14.7752	TRUE	20.307039	8.534075	TRUE	452.13	280	0.03228	0.0000406
5484804174900	548480	4174900	8.59399	8.59399	16.85148	16.85148	TRUE	23.1606672	8.59399	TRUE	463.31	280	0.03228	0.0000406
5485004174900	548500	4174900	8.648367	8.648367	18.69553	18.69553	TRUE	25.6951323	8.648367	TRUE	475.07	280	0.03228	0.0000406
5485204174900	548520	4174900	8.681117	8.681117	19.8377	19.8377	TRUE	27.264928	8.681117	TRUE	487.36	280	0.03228	0.0000406
5485404174900	548540	4174900	8.708333	8.708333	20.81487	20.81487	FALSE	28.6079505	8.708333	FALSE	500.16	280	0.03228	0.0000406
5485604174900	548560	4174900	8.803047	8.803047	24.03597	24.03597	FALSE	33.035033	8.803047	FALSE	513.41	280	0.03228	0.0000406
5485804174900	548580	4174900	9.039136	9.039136	32.12357	32.12357	TRUE	44.1506305	9.039136	TRUE	527.09	280	0.03228	0.0000406
5486004174900	548600	4174900	9.670557	9.670557	51.23196	51.23196	TRUE	70.4132072	9.670557	TRUE	541.16	280	0.03228	0.0000406
5486204174900	548620	4174900	9.951237	9.951237	61.39489	61.39489	FALSE	84.3811313	9.951237	FALSE	555.60	280	0.03228	0.0000406
5486404174900	548640	4174900	10.52202	10.52202	77.98555	77.98555	FALSE	107.18334	10.522017	FALSE	570.37	280	0.03228	0.0000406
5486604174900	548660	4174900	10.02736	10.02736	64.20702	64.20702	TRUE	88.2461214	10.027358	TRUE	585.45	280	0.03228	0.0000406

5486804174900	548680	4174900	9.542558	9.542558	48.82596	48.82596	TRUE	67.1064035	9.542558	TRUE	600.82	280	0.03228	0.0000406
5487004174900	548700	4174900	9.335342	9.335342	42.51873	42.51873	TRUE	58.4377384	9.335342	TRUE	616.46	280	0.03228	0.0000406
5487204174900	548720	4174900	9.289779	9.289779	41.33495	41.33495	FALSE	56.8107539	9.289779	FALSE	632.34	280	0.03228	0.0000406
5487404174900	548740	4174900	9.132637	9.132637	36.59132	36.59132	TRUE	50.291113	9.132637	TRUE	648.45	280	0.03228	0.0000406
5487604174900	548760	4174900	9.023241	9.023241	33.4701	33.4701	TRUE	46.0013054	9.023241	TRUE	664.77	280	0.03228	0.0000406
5487804174900	548780	4174900	8.951651	8.951651	31.36036	31.36036	TRUE	43.1016843	8.951651	TRUE	681.29	280	0.03228	0.0000406
5488004174900	548800	4174900	8.907892	8.907892	30.2629	30.2629	TRUE	41.5933298	8.907892	TRUE	697.99	280	0.03228	0.0000406
5488204174900	548820	4174900	8.887503	8.887503	30.1016	30.1016	TRUE	41.3716445	8.887503	TRUE	714.86	280	0.03228	0.0000406
5488404174900	548840	4174900	8.903169	8.903169	31.51172	31.51172	TRUE	43.3097093	8.903169	TRUE	731.88	280	0.03228	0.0000406
5488604174900	548860	4174900	8.959442	8.959442	34.69004	34.69004	TRUE	47.677991	8.959442	TRUE	749.06	280	0.03228	0.0000406
5488804174900	548880	4174900	9.086619	9.086619	41.07006	41.07006	FALSE	56.446696	9.086619	FALSE	766.37	280	0.03228	0.0000406
5489004174900	548900	4174900	9.351458	9.351458	49.96502	49.96502	FALSE	68.6719235	9.351458	FALSE	783.81	280	0.03228	0.0000406
5489204174900	548920	4174900	9.233198	9.233198	47.26518	47.26518	FALSE	64.9612579	9.233198	FALSE	801.37	280	0.03228	0.0000406
5489404174900	548940	4174900	8.931074	8.931074	34.50764	34.50764	FALSE	47.4272949	8.931074	FALSE	819.04	280	0.03228	0.0000406
5489604174900	548960	4174900	8.805882	8.805882	29.38802	29.38802	FALSE	40.3908961	8.805882	FALSE	836.81	280	0.03228	0.0000406
5489804174900	548980	4174900	8.732138	8.732138	26.4624	26.4624	FALSE	36.3699184	8.732138	FALSE	854.69	280	0.03228	0.0000406
5490004174900	549000	4174900	8.681752	8.681752	24.54524	24.54524	FALSE	33.734982	8.681752	FALSE	872.65	280	0.03228	0.0000406
5490204174900	549020	4174900	8.638951	8.638951	22.95915	22.95915	FALSE	31.5550599	8.638951	FALSE	890.70	280	0.03228	0.0000406
5490404174900	549040	4174900	8.603587	8.603587	21.7028	21.7028	FALSE	29.8283338	8.603587	FALSE	908.84	280	0.03228	0.0000406
5470604174920	547060	4174920	8.222103	8.222103	4.425594	4.425594	FALSE	6.08253639	8.222103	FALSE	1208.85	280	0.03228	0.0000406
5470804174920	547080	4174920	8.220069	8.220069	4.316539	4.316539	FALSE	5.9326512	8.220069	FALSE	1189.77	280	0.03228	0.0000406
5471004174920	547100	4174920	8.223419	8.223419	4.355856	4.355856	FALSE	5.98668849	8.223419	FALSE	1170.72	280	0.03228	0.0000406
5471204174920	547120	4174920	8.236187	8.236187	4.616526	4.616526	FALSE	6.34495333	8.236187	FALSE	1151.70	280	0.03228	0.0000406
5471404174920	547140	4174920	8.220818	8.220818	4.277727	4.277727	FALSE	5.87930799	8.220818	FALSE	1132.72	280	0.03228	0.0000406
5471604174920	547160	4174920	8.215977	8.215977	4.173452	4.173452	FALSE	5.73599243	8.215977	FALSE	1113.77	280	0.03228	0.0000406
5471804174920	547180	4174920	8.217551	8.217551	4.192563	4.192563	FALSE	5.76225859	8.217551	FALSE	1094.86	280	0.03228	0.0000406
5472004174920	547200	4174920	8.211411	8.211411	4.005655	4.005655	FALSE	5.50537223	8.211411	FALSE	1075.99	280	0.03228	0.0000406
5472204174920	547220	4174920	8.206806	8.206806	3.878704	3.878704	FALSE	5.33089078	8.206806	FALSE	1057.16	280	0.03228	0.0000406
5472404174920	547240	4174920	8.200548	8.200548	3.694567	3.694567	FALSE	5.07781288	8.200548	FALSE	1038.37	280	0.03228	0.0000406
5472604174920	547260	4174920	8.19686	8.19686	3.708721	3.708721	FALSE	5.09726614	8.19686	FALSE	1019.63	280	0.03228	0.0000406
5472804174920	547280	4174920	8.190816	8.190816	3.511983	3.511983	FALSE	4.82686944	8.190816	FALSE	1000.94	280	0.03228	0.0000406
5473004174920	547300	4174920	8.191359	8.191359	3.508499	3.508499	FALSE	4.82208103	8.191359	FALSE	982.30	280	0.03228	0.0000406
5473204174920	547320	4174920	8.195661	8.195661	3.611318	3.611318	FALSE	4.96339546	8.195661	FALSE	963.72	280	0.03228	0.0000406
5473404174920	547340	4174920	8.203057	8.203057	3.835264	3.835264	FALSE	5.27118684	8.203057	FALSE	945.19	280	0.03228	0.0000406
5473604174920	547360	4174920	8.206816	8.206816	3.94793	3.94793	FALSE	5.42603499	8.206816	FALSE	926.72	280	0.03228	0.0000406
5473804174920	547380	4174920	8.211021	8.211021	4.062038	4.062038	FALSE	5.58286503	8.211021	FALSE	908.32	280	0.03228	0.0000406
5474004174920	547400	4174920	8.211793	8.211793	4.095678	4.095678	FALSE	5.62909984	8.211793	FALSE	889.99	280	0.03228	0.0000406
5474204174920	547420	4174920	8.215199	8.215199	4.208271	4.208271	FALSE	5.78384766	8.215199	FALSE	871.73	280	0.03228	0.0000406
5474404174920	547440	4174920	8.221833	8.221833	4.419848	4.419848	FALSE	6.07463909	8.221833	FALSE	853.55	280	0.03228	0.0000406
5474604174920	547460	4174920	8.228307	8.228307	4.615923	4.615923	FALSE	6.34412457	8.228307	FALSE	835.45	280	0.03228	0.0000406
5474804174920	547480	4174920	8.233873	8.233873	4.795802	4.795802	FALSE	6.59135027	8.233873	FALSE	817.44	280	0.03228	0.0000406
5475004174920	547500	4174920	8.23689	8.23689	4.864507	4.864507	FALSE	6.68577842	8.23689	FALSE	799.53	280	0.03228	0.0000406
5475204174920	547520	4174920	8.237232	8.237232	4.83806	4.83806	FALSE	6.64942966	8.237232	FALSE	781.72	280	0.03228	0.0000406
5475404174920	547540	4174920	8.238747	8.238747	4.88258	4.88258	FALSE	6.71061795	8.238747	FALSE	764.01	280	0.03228	0.0000406
5475604174920	547560	4174920	8.238622	8.238622	4.869688	4.869688	FALSE	6.69289919	8.238622	FALSE	746.42	280	0.03228	0.0000406
5475804174920	547580	4174920	8.239934	8.239934	4.876941	4.876941	FALSE	6.70286771	8.239934	FALSE	728.96	280	0.03228	0.0000406
5476004174920	547600	4174920	8.245643	8.245643	5.048592	5.048592	FALSE	6.93878484	8.245643	FALSE	711.63	280	0.03228	0.0000406
5476204174920	547620	4174920	8.254617	8.254617	5.314771	5.314771	FALSE	7.30462126	8.254617	FALSE	694.44	280	0.03228	0.0000406
5476404174920	547640	4174920	8.26481	8.26481	5.57154	5.57154	FALSE	7.65752458	8.26481	FALSE	677.41	280	0.03228	0.0000406
5476604174920	547660	4174920	8.263046	8.263046	5.563326	5.563326	FALSE	7.64623525	8.263046	FALSE	660.54	280	0.03228	0.0000406
5476804174920	547680	4174920	8.268477	8.268477	5.671765	5.671765	FALSE	7.79527382	8.268477	FALSE	643.85	280	0.03228	0.0000406
5477004174920	547700	4174920	8.264794	8.264794	5.655436	5.655436	FALSE	7.77283124	8.264794	FALSE	627.36	280	0.03228	0.0000406
5477204174920	547720	4174920	8.264313	8.264313	5.692368	5.692368	FALSE	7.82359058	8.264313	FALSE	611.07	280	0.03228	0.0000406
5477404174920	547740	4174920	8.265471	8.265471	5.761606	5.761606	FALSE	7.91875129	8.265471	FALSE	595.02	280	0.03228	0.0000406
5477604174920	547760	4174920	8.263673	8.263673	5.70948	5.70948	FALSE	7.84710931	8.263673	FALSE	579.21	280	0.03228	0.0000406
5477804174920	547780	4174920	8.260029	8.260029	5.597896	5.597896	FALSE	7.69374826	8.260029	FALSE	563.66	280	0.03228	0.0000406
5478004174920	547800	4174920	8.254215	8.254215	5.41134	5.41134	FALSE	7.4373457	8.254215	FALSE	548.40	280	0.03228	0.0000406
5478204174920	547820	4174920	8.248796	8.248796	5.231599	5.231599	FALSE	7.19030967	8.248796	FALSE	533.46	280	0.03228	0.0000406
5478404174920	547840	4174920	8.252106	8.252106	5.307246	5.307246	FALSE	7.2942789	8.252106	FALSE	518.86	280	0.03228	0.0000406
5478604174920	547860	4174920	8.257232	8.257232	5.440376	5.440376	FALSE	7.47725277	8.257232	FALSE	504.62	280	0.03228	0.0000406
5478804174920	547880	4174920	8.264676	8.264676	5.614679	5.614679	FALSE	7.71681482	8.264676	FALSE	490.79	280	0.03228	0.0000406
5479004174920	547900	4174920	8.278835	8.278835	5.92431	5.92431	FALSE	8.14237166	8.278835	FALSE	477.40	280	0.03228	0.0000406
5479204174920	547920	4174920	8.312684	8.312684	6.633085	6.633085	FALSE	9.11651202	8.312684	FALSE	464.48	280	0.03228	0.0000406
5479404174920	547940	4174920	8.306431	8.306431	6.428809	6.428809	FALSE	8.83575509	8.306431	FALSE	452.08	280	0.03228	0.0000406
5479604174920	547960	4174920	8.278847	8.278847	5.877697	5.877697	FALSE	8.07830676	8.278847	FALSE	440.24	280	0.03228	0.0000406
5479804174920	547980	4174920	8.271897	8.271897	5.78085	5.78085	FALSE	7.94520024	8.271897	FALSE	429.00	280	0.03228	0.0000406
5480004174920	548000	4174920	8.267216	8.267216	5.706321	5.706321	FALSE	7.84276758	8.267216	FALSE	418.42	280	0.03228	0.0000406
5480204174920	548020	4174920	8.266862	8.266862	5.71991	5.71991	FALSE	7.8614443	8.266862	FALSE	408.55	280	0.03228	0.0000406
5480404174920	548040	4174920	8.267745	8.267745	5.757737	5.757737	FALSE	7.91343373	8.267745	FALSE	399.43	280	0.03228	0.0000406
5480604174920	548060	4174920	8.265453	8.265453	5.6713	5.6713	FALSE	7.79463472	8.265453	FALSE	391.12	280	0.03228	0.0000406
5480804174920	548080	4174920	8.265247	8.265247	5.665784	5.665784	FALSE	7.78705353	8.265247	FALSE	383.68	280	0.03228	0.0000406
5481004174920	548100	4174920	8.266472	8.266472	5.714144	5.714144	FALSE	7.85351951	8.266472	FALSE	377.15	280	0.03228	0.0000406
5481204174920	548120	4174920	8.26216	8.26216	5.548492	5.548492	FALSE	7.6258474	8.26216	FALSE	371.59	280	0.03228	0.0000406
5481404174920	548140	4174920	8.25805	8.25805	5.42116	5.42116	FALSE	7.4508423	8.25805	FALSE	367.03	280	0.03228	0.0000406
5481604174920	548160	4174920	8.257065	8.257065	5.383317	5.383317	FALSE	7.39883088	8.257065	FALSE	363.52	280	0.03228	0.0000406
5481804174920	548180	4174920	8.243261	8.243261	5.082808	5.082808	FALSE	6.98581132	8.243261	FALSE	361.08	280	0.03228	0.0000406
5482004174920	548200	4174920	8.223497	8.223497	4.58138	4.58138	FALSE	6.29664867	8.223497	FALSE	359.74	280	0.03228	0.0000406
5482204174920	548220	4174920	8.217724	8.217724	4.432838	4.432838	FALSE	6.09249255	8.217724	FALSE	359.51	280	0.03228	0.0000406
5482404174920	548240	4174920	8.224206	8.224206	4.653044	4.653044	FALSE	6.39514367	8.224206	FALSE	360.39	280	0.03228	0.0000406
5482604174920	548260	4174920	8.227146	8.227146	4.796873	4.796873	FALSE	6.59282225	8.227146	FALSE	362.37	280	0.03228	0.0000406
5482804174920	548280	4174920	8.228183	8.228183	4.913764	4.913764	FALSE	6.75347724	8.228183	FALSE	365.44	280	0.03228	0.0000406
5483004174920	548300	4174920	8.230711	8.230711	5.11005	5.11005	FALSE	7.02325272	8.230711	FALSE	369.56	280	0.03228	0.0000406
5483204174920	548320	4174920	8.248706	8.248706	5.774141	5.774141	FALSE	7.93597939	8.248706	FALSE	374.71	280	0.03228	0.0000406
5483404174920	548340	4174920	8.285924	8.285924	6.964129	6.964129	FALSE	9.5714989	8.285924	FALSE	380.85	280	0.03228	0.0000406
5483604174920	548360	4174920	8.329622	8.329622	8.212554	8.212554	FALSE	11.2873342	8.329622	FALSE	387.91	280	0.03228	0.0000406
5483804174920	548380	4174920	8.344768	8.344768	8.932231	8.932231	FALSE	12.2764583	8.344768	FALSE	395.87	280	0.03228	0.0000406
5484004174920	548400	4174920	8.369958	8.369958	9.815138	9.815138	FALSE	13.4899257	8.369958	FALSE	404.65	280	0.03228	0.0000406
5484204174920	548420	4174920	8.416739	8.416739	11.21078	11.21078	FALSE	15.4080947	8.416739	FALSE	414.22	280	0.03228	0.0000406
5484404174920	548440	4174920	8.490011	8.490011	13.2741	13.2741	FALSE	18.2439175	8.490011	FALSE	424.51	280	0.03228	0.0000406
5484604174920	548460	4174920	8.576629	8.576629	15.94489	15.94489	FALSE	21.9146513	8.576629	FALSE	435.48	280	0.03228	0.0000406
5484804174920	548480	4174920	8.617096	8.617096	17.59243	17.59243	TRUE	24.1790303	8.617096	TRUE	447.08	280	0.03228	0.0000406
5485004174920	548500	4174920	8.657102	8.657102	19.02886	19.02886	FALSE	26.1532611	8.657102	FALSE	459.25	280	0.03228	0.0000406
5485204174920	548520	4174920	8.672887	8.672887	19.6585	19.6585	FALSE	27.0186465	8.672887	FALSE	471.96	280	0.03228	0.0000406
5485404174920	548540	4174920	8.695475	8.695475	20.51446	20.51446	FALSE	28.1950779	8.695475	FALSE	485.16	280	0.03228	0.0000406

5485604174920	548560	4174920	8.800033	8.800033	24.09962	24.09962	TRUE	33.1225136	8.800033	TRUE	498.81	280	0.03228	0.0000406
5485804174920	548580	4174920	9.095172	9.095172	34.34084	34.34084	TRUE	47.1980546	9.095172	TRUE	512.88	280	0.03228	0.0000406
5486004174920	548600	4174920	9.494734	9.494734	46.16184	46.16184	TRUE	63.4448329	9.494734	TRUE	527.33	280	0.03228	0.0000406
5486204174920	548620	4174920	10.28102	10.28102	70.56132	70.56132	FALSE	96.9794741	10.281015	FALSE	542.14	280	0.03228	0.0000406
5486404174920	548640	4174920	10.59087	10.59087	79.18083	79.18083	FALSE	108.826136	10.590872	FALSE	557.26	280	0.03228	0.0000406
5486604174920	548660	4174920	10.12814	10.12814	68.23219	68.23219	TRUE	93.7783274	10.128137	TRUE	572.69	280	0.03228	0.0000406
5486804174920	548680	4174920	9.610036	9.610036	51.70017	51.70017	TRUE	71.0567191	9.610036	TRUE	588.40	280	0.03228	0.0000406
5487004174920	548700	4174920	9.374221	9.374221	44.28279	44.28279	TRUE	60.8622693	9.374221	TRUE	604.35	280	0.03228	0.0000406
5487204174920	548720	4174920	9.286184	9.286184	41.71042	41.71042	TRUE	57.326804	9.286184	TRUE	620.55	280	0.03228	0.0000406
5487404174920	548740	4174920	9.199417	9.199417	39.21112	39.21112	FALSE	53.8917661	9.199417	FALSE	636.95	280	0.03228	0.0000406
5487604174920	548760	4174920	9.117064	9.117064	36.98548	36.98548	TRUE	50.8328396	9.117064	TRUE	653.56	280	0.03228	0.0000406
5487804174920	548780	4174920	9.040496	9.040496	34.83343	34.83343	TRUE	47.8750676	9.040496	TRUE	670.36	280	0.03228	0.0000406
5488004174920	548800	4174920	9.012386	9.012386	34.44041	34.44041	TRUE	47.3348926	9.012386	TRUE	687.32	280	0.03228	0.0000406
5488204174920	548820	4174920	9.025168	9.025168	35.64924	35.64924	TRUE	48.9963155	9.025168	TRUE	704.45	280	0.03228	0.0000406
5488404174920	548840	4174920	9.087593	9.087593	38.6838	38.6838	TRUE	53.1670078	9.087593	TRUE	721.72	280	0.03228	0.0000406
5488604174920	548860	4174920	9.305882	9.305882	48.30802	48.30802	FALSE	66.3945399	9.305882	FALSE	739.13	280	0.03228	0.0000406
5488804174920	548880	4174920	9.351455	9.351455	50.54572	50.54572	FALSE	69.4700417	9.351455	FALSE	756.67	280	0.03228	0.0000406
5489004174920	548900	4174920	9.206005	9.206005	43.03158	43.03158	FALSE	59.1425981	9.206005	FALSE	774.32	280	0.03228	0.0000406
5489204174920	548920	4174920	8.954897	8.954897	34.62771	34.62771	FALSE	47.5923287	8.954897	FALSE	792.09	280	0.03228	0.0000406
5489404174920	548940	4174920	8.82708	8.82708	29.90956	29.90956	FALSE	41.1076993	8.82708	FALSE	809.96	280	0.03228	0.0000406
5489604174920	548960	4174920	8.752401	8.752401	27.07182	27.07182	FALSE	37.207508	8.752401	FALSE	827.94	280	0.03228	0.0000406
5489804174920	548980	4174920	8.699143	8.699143	25.0484	25.0484	FALSE	34.4265251	8.699143	FALSE	846.00	280	0.03228	0.0000406
5490004174920	549000	4174920	8.656525	8.656525	23.46544	23.46544	FALSE	32.2509062	8.656525	FALSE	864.14	280	0.03228	0.0000406
5490204174920	549020	4174920	8.617973	8.617973	22.04986	22.04986	FALSE	30.3053221	8.617973	FALSE	882.37	280	0.03228	0.0000406
5490404174920	549040	4174920	8.587728	8.587728	20.97984	20.97984	FALSE	28.834688	8.587728	FALSE	900.67	280	0.03228	0.0000406
5470604174940	547060	4174940	8.232049	8.232049	4.770043	4.770043	FALSE	6.5559471	8.232049	FALSE	1203.05	280	0.03228	0.0000406
5470804174940	547080	4174940	8.228319	8.228319	4.584048	4.584048	FALSE	6.30031557	8.228319	FALSE	1183.88	280	0.03228	0.0000406
5471004174940	547100	4174940	8.230267	8.230267	4.564738	4.564738	FALSE	6.27377591	8.230267	FALSE	1164.73	280	0.03228	0.0000406
5471204174940	547120	4174940	8.23826	8.23826	4.709837	4.709837	FALSE	6.47319997	8.23826	FALSE	1145.62	280	0.03228	0.0000406
5471404174940	547140	4174940	8.225036	8.225036	4.413403	4.413403	FALSE	6.06578108	8.225036	FALSE	1126.53	280	0.03228	0.0000406
5471604174940	547160	4174940	8.21941	8.21941	4.272337	4.272337	FALSE	5.87189997	8.21941	FALSE	1107.48	280	0.03228	0.0000406
5471804174940	547180	4174940	8.221848	8.221848	4.308897	4.308897	FALSE	5.92214804	8.221848	FALSE	1088.46	280	0.03228	0.0000406
5472004174940	547200	4174940	8.217497	8.217497	4.172823	4.172823	FALSE	5.73512793	8.217497	FALSE	1069.47	280	0.03228	0.0000406
5472204174940	547220	4174940	8.211106	8.211106	3.988775	3.988775	FALSE	5.48217236	8.211106	FALSE	1050.52	280	0.03228	0.0000406
5472404174940	547240	4174940	8.204509	8.204509	3.794079	3.794079	FALSE	5.21458218	8.204509	FALSE	1031.62	280	0.03228	0.0000406
5472604174940	547260	4174940	8.201992	8.201992	3.861313	3.861313	FALSE	5.30698859	8.201992	FALSE	1012.75	280	0.03228	0.0000406
5472804174940	547280	4174940	8.195653	8.195653	3.670261	3.670261	FALSE	5.04440672	8.195653	FALSE	993.93	280	0.03228	0.0000406
5473004174940	547300	4174940	8.19511	8.19511	3.654569	3.654569	FALSE	5.02283963	8.19511	FALSE	975.16	280	0.03228	0.0000406
5473204174940	547320	4174940	8.198583	8.198583	3.744542	3.744542	FALSE	5.14649852	8.198583	FALSE	956.44	280	0.03228	0.0000406
5473404174940	547340	4174940	8.202816	8.202816	3.879409	3.879409	FALSE	5.33185973	8.202816	FALSE	937.76	280	0.03228	0.0000406
5473604174940	547360	4174940	8.204699	8.204699	3.938775	3.938775	FALSE	5.41345236	8.204699	FALSE	919.15	280	0.03228	0.0000406
5473804174940	547380	4174940	8.20925	8.20925	4.063382	4.063382	FALSE	5.58471222	8.20925	FALSE	900.59	280	0.03228	0.0000406
5474004174940	547400	4174940	8.212169	8.212169	4.161852	4.161852	FALSE	5.72004939	8.212169	FALSE	882.10	280	0.03228	0.0000406
5474204174940	547420	4174940	8.218044	8.218044	4.349008	4.349008	FALSE	5.9772766	8.218044	FALSE	863.68	280	0.03228	0.0000406
5474404174940	547440	4174940	8.226903	8.226903	4.63395	4.63395	FALSE	6.36890088	8.226903	FALSE	845.32	280	0.03228	0.0000406
5474604174940	547460	4174940	8.233543	8.233543	4.837969	4.837969	FALSE	6.64930459	8.233543	FALSE	827.04	280	0.03228	0.0000406
5474804174940	547480	4174940	8.23817	8.23817	4.986259	4.986259	FALSE	6.85311437	8.23817	FALSE	808.85	280	0.03228	0.0000406
5475004174940	547500	4174940	8.2391	8.2391	4.978463	4.978463	FALSE	6.84239955	8.2391	FALSE	790.74	280	0.03228	0.0000406
5475204174940	547520	4174940	8.237287	8.237287	4.874183	4.874183	FALSE	6.69907712	8.237287	FALSE	772.72	280	0.03228	0.0000406
5475404174940	547540	4174940	8.237668	8.237668	4.884419	4.884419	FALSE	6.71314547	8.237668	FALSE	754.81	280	0.03228	0.0000406
5475604174940	547560	4174940	8.236975	8.236975	4.864604	4.864604	FALSE	6.68591174	8.236975	FALSE	737.00	280	0.03228	0.0000406
5475804174940	547580	4174940	8.23737	8.23737	4.84418	4.84418	FALSE	6.65784099	8.23737	FALSE	719.31	280	0.03228	0.0000406
5476004174940	547600	4174940	8.241819	8.241819	4.979135	4.979135	FALSE	6.84332314	8.241819	FALSE	701.74	280	0.03228	0.0000406
5476204174940	547620	4174940	8.249148	8.249148	5.194529	5.194529	FALSE	7.13936066	8.249148	FALSE	684.30	280	0.03228	0.0000406
5476404174940	547640	4174940	8.259387	8.259387	5.456214	5.456214	FALSE	7.49902052	8.259387	FALSE	667.01	280	0.03228	0.0000406
5476604174940	547660	4174940	8.257771	8.257771	5.454465	5.454465	FALSE	7.4966167	8.257771	FALSE	649.87	280	0.03228	0.0000406
5476804174940	547680	4174940	8.261847	8.261847	5.542492	5.542492	FALSE	7.617601	8.261847	FALSE	632.90	280	0.03228	0.0000406
5477004174940	547700	4174940	8.258571	8.258571	5.539303	5.539303	FALSE	7.61321804	8.258571	FALSE	616.12	280	0.03228	0.0000406
5477204174940	547720	4174940	8.257146	8.257146	5.548772	5.548772	FALSE	7.62623224	8.257146	FALSE	599.53	280	0.03228	0.0000406
5477404174940	547740	4174940	8.256384	8.256384	5.556153	5.556153	FALSE	7.63637668	8.256384	FALSE	583.15	280	0.03228	0.0000406
5477604174940	547760	4174940	8.254665	8.254665	5.511799	5.511799	FALSE	7.57541655	8.254665	FALSE	567.01	280	0.03228	0.0000406
5477804174940	547780	4174940	8.25266	8.25266	5.456932	5.456932	FALSE	7.50000734	8.25266	FALSE	551.12	280	0.03228	0.0000406
5478004174940	547800	4174940	8.249842	8.249842	5.368585	5.368585	FALSE	7.37858322	8.249842	FALSE	535.51	280	0.03228	0.0000406
5478204174940	547820	4174940	8.247308	8.247308	5.277708	5.277708	FALSE	7.25368188	8.247308	FALSE	520.19	280	0.03228	0.0000406
5478404174940	547840	4174940	8.250742	8.250742	5.358936	5.358936	FALSE	7.36532164	8.250742	FALSE	505.21	280	0.03228	0.0000406
5478604174940	547860	4174940	8.253127	8.253127	5.405486	5.405486	FALSE	7.42929996	8.253127	FALSE	490.58	280	0.03228	0.0000406
5478804174940	547880	4174940	8.260652	8.260652	5.583763	5.583763	FALSE	7.67432387	8.260652	FALSE	476.34	280	0.03228	0.0000406
5479004174940	547900	4174940	8.274884	8.274884	5.897015	5.897015	FALSE	8.10485742	8.274884	FALSE	462.53	280	0.03228	0.0000406
5479204174940	547920	4174940	8.305078	8.305078	6.533437	6.533437	FALSE	8.97955581	8.305078	FALSE	449.18	280	0.03228	0.0000406
5479404174940	547940	4174940	8.310124	8.310124	6.591777	6.591777	FALSE	9.05973831	8.310124	FALSE	436.35	280	0.03228	0.0000406
5479604174940	547960	4174940	8.27714	8.27714	5.915073	5.915073	FALSE	8.12967633	8.27714	FALSE	424.07	280	0.03228	0.0000406
5479804174940	547980	4174940	8.262822	8.262822	5.607904	5.607904	FALSE	7.70750326	8.262822	FALSE	412.39	280	0.03228	0.0000406
5480004174940	548000	4174940	8.257462	8.257462	5.522139	5.522139	FALSE	7.58962784	8.257462	FALSE	401.37	280	0.03228	0.0000406
5480204174940	548020	4174940	8.255393	8.255393	5.506235	5.506235	FALSE	7.56776938	8.255393	FALSE	391.07	280	0.03228	0.0000406
5480404174940	548040	4174940	8.254565	8.254565	5.51537	5.51537	FALSE	7.58032453	8.254565	FALSE	381.53	280	0.03228	0.0000406
5480604174940	548060	4174940	8.258499	8.258499	5.674411	5.674411	FALSE	7.79891048	8.258499	FALSE	372.83	280	0.03228	0.0000406
5480804174940	548080	4174940	8.260091	8.260091	5.747492	5.747492	FALSE	7.899353	8.260091	FALSE	365.01	280	0.03228	0.0000406
5481004174940	548100	4174940	8.258332	8.258332	5.696502	5.696502	FALSE	7.82927235	8.258332	FALSE	358.14	280	0.03228	0.0000406
5481204174940	548120	4174940	8.248993	8.248993	5.372467	5.372467	FALSE	7.38391864	8.248993	FALSE	352.28	280	0.03228	0.0000406
5481404174940	548140	4174940	8.242914	8.242914	5.162188	5.162188	FALSE	7.09491119	8.242914	FALSE	347.47	280	0.03228	0.0000406
5481604174940	548160	4174940	8.239484	8.239484	5.038143	5.038143	FALSE	6.92442374	8.239484	FALSE	343.75	280	0.03228	0.0000406
5481804174940	548180	4174940	8.225586	8.225586	4.733561	4.733561	FALSE	6.50580624	8.225586	FALSE	341.17	280	0.03228	0.0000406
5482004174940	548200	4174940	8.209911	8.209911	4.34768	4.34768	FALSE	5.97545139	8.209911	FALSE	339.75	280	0.03228	0.0000406
5482204174940	548220	4174940	8.202253	8.202253	4.119286	4.119286	FALSE	5.66154668	8.202253	FALSE	339.51	280	0.03228	0.0000406
5482404174940	548240	4174940	8.204902	8.204902	4.238983	4.238983	FALSE	5.82605824	8.204902	FALSE	340.44	280	0.03228	0.0000406
5482604174940	548260	4174940	8.208607	8.208607	4.387174	4.387174	FALSE	6.02973195	8.208607	FALSE	342.54	280	0.03228	0.0000406
5482804174940	548280	4174940	8.213647	8.213647	4.589786	4.589786	FALSE	6.30820188	8.213647	FALSE	345.78	280	0.03228	0.0000406
5483004174940	548300	4174940	8.2207	8.2207	4.883736	4.883736	FALSE	6.71220676	8.2207	FALSE	350.14	280	0.03228	0.0000406
5483204174940	548320	4174940	8.241237	8.241237	5.601303	5.601303	FALSE	7.69843084	8.241237	FALSE	355.57	280	0.03228	0.0000406
5483404174940	548340	4174940	8.278193	8.278193	6.796855	6.796855	FALSE	9.34159751	8.278193	FALSE	362.03	280	0.03228	0.0000406
5483604174940	548360	4174940	8.325769	8.325769	8.198721	8.198721	FALSE	11.2683221	8.325769	FALSE	369.46	280	0.03228	0.0000406
5483804174940	548380	4174940	8.366886	8.366886	9.471475	9.471475	FALSE	13.0175952	8.366886	FALSE	377.80	280	0.03228	0.0000406
5484004174940	548400	4174940	8.388543	8.388543	10.28346	10.28346	FALSE	14.1335874	8.388543	FALSE	387.00	280	0.03228	0.0000406
5484204174940	548420	4174940	8.434279	8.434279	11.609	11.609	FALSE	15.9554041	8.434279	FALSE	396.99	280	0.03228	0.0000406

5484404174940	548440	4174940	8.506385	8.506385	13.59646	13.59646	FALSE	18.6869678	8.506385	FALSE	407.72	280	0.03228	0.0000406
5484604174940	548460	4174940	8.591464	8.591464	16.1553	16.1553	FALSE	22.2038416	8.591464	FALSE	419.13	280	0.03228	0.0000406
5484804174940	548480	4174940	8.617934	8.617934	17.34072	17.34072	FALSE	23.8330828	8.617934	FALSE	431.16	280	0.03228	0.0000406
5485004174940	548500	4174940	8.623866	8.623866	17.8784	17.8784	TRUE	24.5720716	8.623866	TRUE	443.77	280	0.03228	0.0000406
5485204174940	548520	4174940	8.616128	8.616128	17.81784	17.81784	TRUE	24.488842	8.616128	TRUE	456.91	280	0.03228	0.0000406
5485404174940	548540	4174940	8.665879	8.665879	19.60728	19.60728	TRUE	26.9482429	8.665879	TRUE	470.53	280	0.03228	0.0000406
5485604174940	548560	4174940	8.78953	8.78953	23.8666	23.8666	FALSE	32.8022537	8.78953	FALSE	484.60	280	0.03228	0.0000406
5485804174940	548580	4174940	9.091065	9.091065	34.36854	34.36854	TRUE	47.2361269	9.091065	TRUE	499.06	280	0.03228	0.0000406
5486004174940	548600	4174940	9.584721	9.584721	49.2714	49.2714	TRUE	67.7186053	9.584721	TRUE	513.91	280	0.03228	0.0000406
5486204174940	548620	4174940	9.866314	9.866314	59.39517	59.39517	FALSE	81.6327162	9.866314	FALSE	529.09	280	0.03228	0.0000406
5486404174940	548640	4174940	10.06048	10.06048	65.61626	65.61626	FALSE	90.1829822	10.060475	FALSE	544.58	280	0.03228	0.0000406
5486604174940	548660	4174940	10.27058	10.27058	72.91778	72.91778	TRUE	100.218202	10.270577	TRUE	560.36	280	0.03228	0.0000406
5486804174940	548680	4174940	9.705653	9.705653	55.72647	55.72647	TRUE	76.5904631	9.705653	TRUE	576.40	280	0.03228	0.0000406
5487004174940	548700	4174940	9.445679	9.445679	47.45002	47.45002	TRUE	65.215302	9.445679	TRUE	592.68	280	0.03228	0.0000406
5487204174940	548720	4174940	9.334577	9.334577	44.23585	44.23585	TRUE	60.7977509	9.334577	TRUE	609.18	280	0.03228	0.0000406
5487404174940	548740	4174940	9.299667	9.299667	43.52155	43.52155	FALSE	59.8160224	9.299667	FALSE	625.88	280	0.03228	0.0000406
5487604174940	548760	4174940	9.28782	9.28782	43.60637	43.60637	FALSE	59.9325977	9.28782	FALSE	642.78	280	0.03228	0.0000406
5487804174940	548780	4174940	9.203675	9.203675	41.39518	41.39518	TRUE	56.8935395	9.203675	TRUE	659.85	280	0.03228	0.0000406
5488004174940	548800	4174940	9.219619	9.219619	42.70516	42.70516	TRUE	58.6939664	9.219619	TRUE	677.08	280	0.03228	0.0000406
5488204174940	548820	4174940	9.346007	9.346007	48.31607	48.31607	FALSE	66.4056011	9.346007	FALSE	694.45	280	0.03228	0.0000406
5488404174940	548840	4174940	9.499737	9.499737	53.42386	53.42386	FALSE	73.4257573	9.499737	FALSE	711.97	280	0.03228	0.0000406
5488604174940	548860	4174940	9.36303	9.36303	47.1136	47.1136	FALSE	64.752925	9.36303	FALSE	729.61	280	0.03228	0.0000406
5488804174940	548880	4174940	9.103498	9.103498	38.54551	38.54551	FALSE	52.9769462	9.103498	FALSE	747.37	280	0.03228	0.0000406
5489004174940	548900	4174940	8.934509	8.934509	32.79125	32.79125	FALSE	45.0682981	8.934509	FALSE	765.24	280	0.03228	0.0000406
5489204174940	548920	4174940	8.833403	8.833403	29.37919	29.37919	FALSE	40.3787601	8.833403	FALSE	783.22	280	0.03228	0.0000406
5489404174940	548940	4174940	8.766712	8.766712	27.17733	27.17733	FALSE	37.352521	8.766712	FALSE	801.29	280	0.03228	0.0000406
5489604174940	548960	4174940	8.718367	8.718367	25.56587	25.56587	FALSE	35.1377262	8.718367	FALSE	819.45	280	0.03228	0.0000406
5489804174940	548980	4174940	8.67583	8.67583	24.04354	24.04354	FALSE	33.0454441	8.67583	FALSE	837.69	280	0.03228	0.0000406
5490004174940	549000	4174940	8.639222	8.639222	22.7253	22.7253	FALSE	31.2336509	8.639222	FALSE	856.02	280	0.03228	0.0000406
5490204174940	549020	4174940	8.603109	8.603109	21.41846	21.41846	FALSE	29.4375342	8.603109	FALSE	874.41	280	0.03228	0.0000406
5490404174940	549040	4174940	8.574582	8.574582	20.41324	20.41324	FALSE	28.0559612	8.574582	FALSE	892.88	280	0.03228	0.0000406
5470404174960	547040	4174960	8.245541	8.245541	5.386611	5.386611	FALSE	7.40335816	8.245541	FALSE	1216.85	280	0.03228	0.0000406
5470604174960	547060	4174960	8.241761	8.241761	5.185947	5.185947	FALSE	7.12756556	8.241761	FALSE	1197.56	280	0.03228	0.0000406
5470804174960	547080	4174960	8.237638	8.237638	4.958056	4.958056	FALSE	6.81435217	8.237638	FALSE	1178.30	280	0.03228	0.0000406
5471004174960	547100	4174960	8.240905	8.240905	4.954166	4.954166	FALSE	6.80900575	8.240905	FALSE	1159.06	280	0.03228	0.0000406
5471204174960	547120	4174960	8.235152	8.235152	4.804039	4.804039	FALSE	6.6026712	8.235152	FALSE	1139.85	280	0.03228	0.0000406
5471404174960	547140	4174960	8.235236	8.235236	4.77987	4.77987	FALSE	6.56945333	8.235236	FALSE	1120.67	280	0.03228	0.0000406
5471604174960	547160	4174960	8.228917	8.228917	4.632122	4.632122	FALSE	6.36638848	8.228917	FALSE	1101.51	280	0.03228	0.0000406
5471804174960	547180	4174960	8.232186	8.232186	4.681324	4.681324	FALSE	6.43401171	8.232186	FALSE	1082.38	280	0.03228	0.0000406
5472004174960	547200	4174960	8.226766	8.226766	4.501011	4.501011	FALSE	6.18618952	8.226766	FALSE	1063.29	280	0.03228	0.0000406
5472204174960	547220	4174960	8.219253	8.219253	4.266605	4.266605	FALSE	5.86402191	8.219253	FALSE	1044.23	280	0.03228	0.0000406
5472404174960	547240	4174960	8.212936	8.212936	4.069775	4.069775	FALSE	5.59349876	8.212936	FALSE	1025.21	280	0.03228	0.0000406
5472604174960	547260	4174960	8.212094	8.212094	4.196265	4.196265	FALSE	5.76734662	8.212094	FALSE	1006.23	280	0.03228	0.0000406
5472804174960	547280	4174960	8.206174	8.206174	4.015546	4.015546	FALSE	5.51896642	8.206174	FALSE	987.28	280	0.03228	0.0000406
5473004174960	547300	4174960	8.205488	8.205488	4.000386	4.000386	FALSE	5.49813052	8.205488	FALSE	968.38	280	0.03228	0.0000406
5473204174960	547320	4174960	8.208694	8.208694	4.092226	4.092226	FALSE	5.62435541	8.208694	FALSE	949.52	280	0.03228	0.0000406
5473404174960	547340	4174960	8.211023	8.211023	4.178173	4.178173	FALSE	5.74248097	8.211023	FALSE	930.71	280	0.03228	0.0000406
5473604174960	547360	4174960	8.211371	8.211371	4.195415	4.195415	FALSE	5.76617838	8.211371	FALSE	911.95	280	0.03228	0.0000406
5473804174960	547380	4174960	8.215482	8.215482	4.306822	4.306822	FALSE	5.91929616	8.215482	FALSE	893.25	280	0.03228	0.0000406
5474004174960	547400	4174960	8.21653	8.21653	4.351339	4.351339	FALSE	5.98048032	8.21653	FALSE	874.60	280	0.03228	0.0000406
5474204174960	547420	4174960	8.220926	8.220926	4.497507	4.497507	FALSE	6.18137362	8.220926	FALSE	856.01	280	0.03228	0.0000406
5474404174960	547440	4174960	8.228863	8.228863	4.759067	4.759067	FALSE	6.54086168	8.228863	FALSE	837.49	280	0.03228	0.0000406
5474604174960	547460	4174960	8.236457	8.236457	4.994725	4.994725	FALSE	6.86475004	8.236457	FALSE	819.04	280	0.03228	0.0000406
5474804174960	547480	4174960	8.241822	8.241822	5.168549	5.168549	FALSE	7.10365375	8.241822	FALSE	800.66	280	0.03228	0.0000406
5475004174960	547500	4174960	8.242699	8.242699	5.156929	5.156929	FALSE	7.08768322	8.242699	FALSE	782.36	280	0.03228	0.0000406
5475204174960	547520	4174960	8.238727	8.238727	4.978803	4.978803	FALSE	6.84286684	8.238727	FALSE	764.15	280	0.03228	0.0000406
5475404174960	547540	4174960	8.23861	8.23861	4.973426	4.973426	FALSE	6.83547669	8.23861	FALSE	746.03	280	0.03228	0.0000406
5475604174960	547560	4174960	8.238781	8.238781	4.982651	4.982651	FALSE	6.84815553	8.238781	FALSE	728.00	280	0.03228	0.0000406
5475804174960	547580	4174960	8.237979	8.237979	4.925035	4.925035	FALSE	6.7689681	8.237979	FALSE	710.09	280	0.03228	0.0000406
5476004174960	547600	4174960	8.241827	8.241827	5.043208	5.043208	FALSE	6.93138508	8.241827	FALSE	692.28	280	0.03228	0.0000406
5476204174960	547620	4174960	8.251636	8.251636	5.33188	5.33188	FALSE	7.32813587	8.251636	FALSE	674.60	280	0.03228	0.0000406
5476404174960	547640	4174960	8.262141	8.262141	5.603423	5.603423	FALSE	7.70134457	8.262141	FALSE	657.06	280	0.03228	0.0000406
5476604174960	547660	4174960	8.271403	8.271403	5.803734	5.803734	FALSE	7.97665201	8.271403	FALSE	639.65	280	0.03228	0.0000406
5476804174960	547680	4174960	8.262506	8.262506	5.637446	5.637446	FALSE	7.74810578	8.262506	FALSE	622.41	280	0.03228	0.0000406
5477004174960	547700	4174960	8.259595	8.259595	5.646012	5.646012	FALSE	7.75987889	8.259595	FALSE	605.33	280	0.03228	0.0000406
5477204174960	547720	4174960	8.257579	8.257579	5.639934	5.639934	FALSE	7.75152529	8.257579	FALSE	588.43	280	0.03228	0.0000406
5477404174960	547740	4174960	8.255598	8.255598	5.610752	5.610752	FALSE	7.71141755	8.255598	FALSE	571.74	280	0.03228	0.0000406
5477604174960	547760	4174960	8.252705	8.252705	5.531491	5.531491	FALSE	7.60248123	8.252705	FALSE	555.27	280	0.03228	0.0000406
5477804174960	547780	4174960	8.251434	8.251434	5.504263	5.504263	FALSE	7.56505907	8.251434	FALSE	539.03	280	0.03228	0.0000406
5478004174960	547800	4174960	8.251429	8.251429	5.511449	5.511449	FALSE	7.57493551	8.251429	FALSE	523.06	280	0.03228	0.0000406
5478204174960	547820	4174960	8.251892	8.251892	5.51864	5.51864	FALSE	7.58481882	8.251892	FALSE	507.37	280	0.03228	0.0000406
5478404174960	547840	4174960	8.256412	8.256412	5.632714	5.632714	FALSE	7.74160212	8.256412	FALSE	491.99	280	0.03228	0.0000406
5478604174960	547860	4174960	8.257557	8.257557	5.636792	5.636792	FALSE	7.74720692	8.257557	FALSE	476.96	280	0.03228	0.0000406
5478804174960	547880	4174960	8.265384	8.265384	5.825789	5.825789	FALSE	8.0069644	8.265384	FALSE	462.30	280	0.03228	0.0000406
5479004174960	547900	4174960	8.279764	8.279764	6.146642	6.146642	FALSE	8.44794476	8.279764	FALSE	448.06	280	0.03228	0.0000406
5479204174960	547920	4174960	8.315466	8.315466	6.899227	6.899227	FALSE	9.48229759	8.315466	FALSE	434.27	280	0.03228	0.0000406
5479404174960	547940	4174960	8.336627	8.336627	7.315361	7.315361	FALSE	10.0542322	8.336627	FALSE	420.98	280	0.03228	0.0000406
5479604174960	547960	4174960	8.285039	8.285039	6.265235	6.265235	FALSE	8.61093898	8.285039	FALSE	408.23	280	0.03228	0.0000406
5479804174960	547980	4174960	8.266469	8.266469	5.834622	5.834622	FALSE	8.01910448	8.266469	FALSE	396.09	280	0.03228	0.0000406
5480004174960	548000	4174960	8.260767	8.260767	5.747371	5.747371	FALSE	7.8991867	8.260767	FALSE	384.61	280	0.03228	0.0000406
5480204174960	548020	4174960	8.256919	8.256919	5.68088	5.68088	FALSE	7.80780147	8.256919	FALSE	373.84	280	0.03228	0.0000406
5480404174960	548040	4174960	8.252677	8.252677	5.582966	5.582966	FALSE	7.67322847	8.252677	FALSE	363.85	280	0.03228	0.0000406
5480604174960	548060	4174960	8.261457	8.261457	5.921144	5.921144	FALSE	8.13802031	8.261457	FALSE	354.71	280	0.03228	0.0000406
5480804174960	548080	4174960	8.265444	8.265444	6.08691	6.08691	FALSE	8.3658491	8.265444	FALSE	346.49	280	0.03228	0.0000406
5481004174960	548100	4174960	8.263225	8.263225	6.024799	6.024799	FALSE	8.28048375	8.263225	FALSE	339.25	280	0.03228	0.0000406
5481204174960	548120	4174960	8.251718	8.251718	5.631252	5.631252	FALSE	7.73959275	8.251718	FALSE	333.05	280	0.03228	0.0000406
5481404174960	548140	4174960	8.243392	8.243392	5.344415	5.344415	FALSE	7.34536398	8.243392	FALSE	327.96	280	0.03228	0.0000406
5481604174960	548160	4174960	8.238532	8.238532	5.159947	5.159947	FALSE	7.09183116	8.238532	FALSE	324.02	280	0.03228	0.0000406
5481804174960	548180	4174960	8.222786	8.222786	4.792901	4.792901	FALSE	6.58736313	8.222786	FALSE	321.28	280	0.03228	0.0000406
5482004174960	548200	4174960	8.204518	8.204518	4.317592	4.317592	FALSE	5.93409844	8.204518	FALSE	319.77	280	0.03228	0.0000406
5482204174960	548220	4174960	8.202271	8.202271	4.22543	4.22543	FALSE	5.80743099	8.202271	FALSE	319.51	280	0.03228	0.0000406
5482404174960	548240	4174960	8.203745	8.203745	4.32022	4.32022	FALSE	5.93771037	8.203745	FALSE	320.50	280	0.03228	0.0000406
5482604174960	548260	4174960	8.20242	8.20242	4.310559	4.310559	FALSE	5.92443229	8.20242	FALSE	322.73	280	0.03228	0.0000406
5482804174960	548280	4174960	8.210147	8.210147	4.591543	4.591543	FALSE	6.3106167	8.210147	FALSE	326.17	280	0.03228	0.0000406

5483004174960	548300	4174960	8.220791	8.220791	4.97866	4.97866	FALSE	6.8426703	8.220791	FALSE	330.79	280	0.03228	0.0000406
5483204174960	548320	4174960	8.244259	8.244259	5.76586	5.76586	FALSE	7.92459798	8.244259	FALSE	336.53	280	0.03228	0.0000406
5483404174960	548340	4174960	8.283289	8.283289	7.010661	7.010661	FALSE	9.63545248	8.283289	FALSE	343.35	280	0.03228	0.0000406
5483604174960	548360	4174960	8.332458	8.332458	8.503882	8.503882	FALSE	11.6877354	8.332458	FALSE	351.17	280	0.03228	0.0000406
5483804174960	548380	4174960	8.379292	8.379292	9.911962	9.911962	FALSE	13.6230006	8.379292	FALSE	359.94	280	0.03228	0.0000406
5484004174960	548400	4174960	8.433136	8.433136	11.33982	11.33982	FALSE	15.5854445	8.433136	FALSE	369.58	280	0.03228	0.0000406
5484204174960	548420	4174960	8.504348	8.504348	13.09278	13.09278	FALSE	17.9947223	8.504348	FALSE	380.03	280	0.03228	0.0000406
5484404174960	548440	4174960	8.51552	8.51552	13.84037	13.84037	FALSE	19.0222087	8.51552	FALSE	391.22	280	0.03228	0.0000406
5484604174960	548460	4174960	8.620597	8.620597	16.70697	16.70697	FALSE	22.9620651	8.620597	FALSE	403.10	280	0.03228	0.0000406
5484804174960	548480	4174960	8.633485	8.633485	17.44498	17.44498	FALSE	23.9763833	8.633485	FALSE	415.60	280	0.03228	0.0000406
5485004174960	548500	4174960	8.603533	8.603533	17.12745	17.12745	TRUE	23.5399714	8.603533	TRUE	428.67	280	0.03228	0.0000406
5485204174960	548520	4174960	8.597486	8.597486	17.24137	17.24137	TRUE	23.6965348	8.597486	TRUE	442.25	280	0.03228	0.0000406
5485404174960	548540	4174960	8.654217	8.654217	19.30842	19.30842	TRUE	26.5374897	8.654217	TRUE	456.31	280	0.03228	0.0000406
5485604174960	548560	4174960	8.78165	8.78165	23.73413	23.73413	FALSE	32.6201924	8.78165	FALSE	470.80	280	0.03228	0.0000406
5485804174960	548580	4174960	9.073171	9.073171	33.89611	33.89611	TRUE	46.5868108	9.073171	TRUE	485.68	280	0.03228	0.0000406
5486004174960	548600	4174960	9.547371	9.547371	48.60176	48.60176	TRUE	66.7982631	9.547371	TRUE	500.92	280	0.03228	0.0000406
5486204174960	548620	4174960	9.892724	9.892724	60.62293	60.62293	FALSE	83.3201481	9.892724	FALSE	516.48	280	0.03228	0.0000406
5486404174960	548640	4174960	10.61515	10.61515	80.1398	80.1398	FALSE	110.144138	10.615153	FALSE	532.34	280	0.03228	0.0000406
5486604174960	548660	4174960	10.29258	10.29258	74.51159	74.51159	TRUE	102.408732	10.292584	TRUE	548.47	280	0.03228	0.0000406
5486804174960	548680	4174960	9.819695	9.819695	60.71604	60.71604	TRUE	83.4481309	9.819695	TRUE	564.85	280	0.03228	0.0000406
5487004174960	548700	4174960	9.562089	9.562089	52.77977	52.77977	TRUE	72.5405214	9.562089	TRUE	581.45	280	0.03228	0.0000406
5487204174960	548720	4174960	9.471357	9.471357	50.76158	50.76158	TRUE	69.7667169	9.471357	TRUE	598.26	280	0.03228	0.0000406
5487404174960	548740	4174960	9.486643	9.486643	52.49633	52.49633	TRUE	72.1509532	9.486643	TRUE	615.27	280	0.03228	0.0000406
5487604174960	548760	4174960	9.617731	9.617731	57.61775	57.61775	FALSE	79.1898383	9.617731	FALSE	632.45	280	0.03228	0.0000406
5487804174960	548780	4174960	9.688887	9.688887	61.75701	61.75701	FALSE	84.87884	9.688887	FALSE	649.78	280	0.03228	0.0000406
5488004174960	548800	4174960	9.734492	9.734492	62.26545	62.26545	FALSE	85.5776359	9.734492	FALSE	667.27	280	0.03228	0.0000406
5488204174960	548820	4174960	9.479524	9.479524	50.94463	50.94463	FALSE	70.0182926	9.479524	FALSE	684.90	280	0.03228	0.0000406
5488404174960	548840	4174960	9.198755	9.198755	41.53557	41.53557	FALSE	57.0864819	9.198755	FALSE	702.65	280	0.03228	0.0000406
5488604174960	548860	4174960	9.042205	9.042205	36.24242	36.24242	FALSE	49.8115793	9.042205	FALSE	720.52	280	0.03228	0.0000406
5488804174960	548880	4174960	8.931117	8.931117	32.41393	32.41393	FALSE	44.5497026	8.931117	FALSE	738.50	280	0.03228	0.0000406
5489004174960	548900	4174960	8.842676	8.842676	29.32324	29.32324	FALSE	40.3018583	8.842676	FALSE	756.58	280	0.03228	0.0000406
5489204174960	548920	4174960	8.780726	8.780726	27.25971	27.25971	FALSE	37.4657495	8.780726	FALSE	774.76	280	0.03228	0.0000406
5489404174960	548940	4174960	8.73272	8.73272	25.74445	25.74445	FALSE	35.3831776	8.73272	FALSE	793.02	280	0.03228	0.0000406
5489604174960	548960	4174960	8.69482	8.69482	24.56799	24.56799	FALSE	33.7662441	8.69482	FALSE	811.37	280	0.03228	0.0000406
5489804174960	548980	4174960	8.658581	8.658581	23.31522	23.31522	FALSE	32.0444356	8.658581	FALSE	829.79	280	0.03228	0.0000406
5490004174960	549000	4174960	8.62608	8.62608	22.17186	22.17186	FALSE	30.4730003	8.62608	FALSE	848.28	280	0.03228	0.0000406
5490204174960	549020	4174960	8.593251	8.593251	20.99679	20.99679	FALSE	28.8579896	8.593251	FALSE	866.84	280	0.03228	0.0000406
5490404174960	549040	4174960	8.56669	8.56669	20.06367	20.06367	FALSE	27.575508	8.56669	FALSE	885.47	280	0.03228	0.0000406
5490604174960	549060	4174960	8.545344	8.545344	19.31589	19.31589	FALSE	26.5477551	8.545344	FALSE	904.15	280	0.03228	0.0000406
5470404174980	547040	4174980	8.256779	8.256779	5.817724	5.817724	FALSE	7.99587987	8.256779	FALSE	1211.75	280	0.03228	0.0000406
5470604174980	547060	4174980	8.253262	8.253262	5.627838	5.627838	FALSE	7.73490055	8.253262	FALSE	1192.38	280	0.03228	0.0000406
5470804174980	547080	4174980	8.248853	8.248853	5.377631	5.377631	FALSE	7.39101605	8.248853	FALSE	1173.04	280	0.03228	0.0000406
5471004174980	547100	4174980	8.254405	8.254405	5.443905	5.443905	FALSE	7.48210303	8.254405	FALSE	1153.71	280	0.03228	0.0000406
5471204174980	547120	4174980	8.265761	8.265761	5.660138	5.660138	FALSE	7.77929367	8.265761	FALSE	1134.41	280	0.03228	0.0000406
5471404174980	547140	4174980	8.248387	8.248387	5.262489	5.262489	FALSE	7.23276488	8.248387	FALSE	1115.13	280	0.03228	0.0000406
5471604174980	547160	4174980	8.245042	8.245042	5.235983	5.235983	FALSE	7.19633504	8.245042	FALSE	1095.88	280	0.03228	0.0000406
5471804174980	547180	4174980	8.249407	8.249407	5.302912	5.302912	FALSE	7.28832225	8.249407	FALSE	1076.65	280	0.03228	0.0000406
5472004174980	547200	4174980	8.240272	8.240272	4.972786	4.972786	FALSE	6.83459708	8.240272	FALSE	1057.46	280	0.03228	0.0000406
5472204174980	547220	4174980	8.232602	8.232602	4.714385	4.714385	FALSE	6.47945074	8.232602	FALSE	1038.29	280	0.03228	0.0000406
5472404174980	547240	4174980	8.226852	8.226852	4.523779	4.523779	FALSE	6.21748186	8.226852	FALSE	1019.16	280	0.03228	0.0000406
5472604174980	547260	4174980	8.227509	8.227509	4.70024	4.70024	FALSE	6.46000986	8.227509	FALSE	1000.06	280	0.03228	0.0000406
5472804174980	547280	4174980	8.221139	8.221139	4.497703	4.497703	FALSE	6.181643	8.221139	FALSE	980.99	280	0.03228	0.0000406
5473004174980	547300	4174980	8.220173	8.220173	4.473517	4.473517	FALSE	6.14840176	8.220173	FALSE	961.97	280	0.03228	0.0000406
5473204174980	547320	4174980	8.223279	8.223279	4.571155	4.571155	FALSE	6.28259543	8.223279	FALSE	942.98	280	0.03228	0.0000406
5473404174980	547340	4174980	8.225713	8.225713	4.667379	4.667379	FALSE	6.4148457	8.225713	FALSE	924.04	280	0.03228	0.0000406
5473604174980	547360	4174980	8.225015	8.225015	4.653872	4.653872	FALSE	6.39628168	8.225015	FALSE	905.14	280	0.03228	0.0000406
5473804174980	547380	4174980	8.227975	8.227975	4.724961	4.724961	FALSE	6.4939864	8.227975	FALSE	886.29	280	0.03228	0.0000406
5474004174980	547400	4174980	8.223185	8.223185	4.586184	4.586184	FALSE	6.30325129	8.223185	FALSE	867.49	280	0.03228	0.0000406
5474204174980	547420	4174980	8.222611	8.222611	4.576698	4.576698	FALSE	6.29021373	8.222611	FALSE	848.75	280	0.03228	0.0000406
5474404174980	547440	4174980	8.226546	8.226546	4.71166	4.71166	FALSE	6.4757055	8.226546	FALSE	830.07	280	0.03228	0.0000406
5474604174980	547460	4174980	8.236346	8.236346	5.018345	5.018345	FALSE	6.89721337	8.236346	FALSE	811.45	280	0.03228	0.0000406
5474804174980	547480	4174980	8.243938	8.243938	5.264201	5.264201	FALSE	7.23511785	8.243938	FALSE	792.89	280	0.03228	0.0000406
5475004174980	547500	4174980	8.246575	8.246575	5.310166	5.310166	FALSE	7.29829215	8.246575	FALSE	774.41	280	0.03228	0.0000406
5475204174980	547520	4174980	8.240646	8.240646	5.06535	5.06535	FALSE	6.96181704	8.240646	FALSE	756.01	280	0.03228	0.0000406
5475404174980	547540	4174980	8.240551	8.240551	5.060099	5.060099	FALSE	6.95460007	8.240551	FALSE	737.68	280	0.03228	0.0000406
5475604174980	547560	4174980	8.242539	8.242539	5.125866	5.125866	FALSE	7.04499023	8.242539	FALSE	719.45	280	0.03228	0.0000406
5475804174980	547580	4174980	8.239704	8.239704	5.005092	5.005092	FALSE	6.87899844	8.239704	FALSE	701.32	280	0.03228	0.0000406
5476004174980	547600	4174980	8.243497	8.243497	5.123492	5.123492	FALSE	7.0417274	8.243497	FALSE	683.28	280	0.03228	0.0000406
5476204174980	547620	4174980	8.255527	8.255527	5.482988	5.482988	FALSE	7.53581871	8.255527	FALSE	665.37	280	0.03228	0.0000406
5476404174980	547640	4174980	8.266384	8.266384	5.766429	5.766429	FALSE	7.92538002	8.266384	FALSE	647.57	280	0.03228	0.0000406
5476604174980	547660	4174980	8.273715	8.273715	5.921775	5.921775	FALSE	8.13888756	8.273715	FALSE	629.90	280	0.03228	0.0000406
5476804174980	547680	4174980	8.263348	8.263348	5.704554	5.704554	FALSE	7.84033902	8.263348	FALSE	612.38	280	0.03228	0.0000406
5477004174980	547700	4174980	8.260792	8.260792	5.723806	5.723806	FALSE	7.86679897	8.260792	FALSE	595.02	280	0.03228	0.0000406
5477204174980	547720	4174980	8.25889	8.25889	5.723768	5.723768	FALSE	7.86674674	8.25889	FALSE	577.82	280	0.03228	0.0000406
5477404174980	547740	4174980	8.256919	8.256919	5.698198	5.698198	FALSE	7.83160333	8.256919	FALSE	560.81	280	0.03228	0.0000406
5477604174980	547760	4174980	8.251482	8.251482	5.539665	5.539665	FALSE	7.61371558	8.251482	FALSE	544.01	280	0.03228	0.0000406
5477804174980	547780	4174980	8.250211	8.250211	5.515428	5.515428	FALSE	7.58040424	8.250211	FALSE	527.43	280	0.03228	0.0000406
5478004174980	547800	4174980	8.253027	8.253027	5.619519	5.619519	FALSE	7.72346691	8.253027	FALSE	511.09	280	0.03228	0.0000406
5478204174980	547820	4174980	8.256438	8.256438	5.728408	5.728408	FALSE	7.87312396	8.256438	FALSE	495.02	280	0.03228	0.0000406
5478404174980	547840	4174980	8.26315	8.26315	5.910713	5.910713	FALSE	8.12368395	8.26315	FALSE	479.25	280	0.03228	0.0000406
5478604174980	547860	4174980	8.264649	8.264649	5.926339	5.926339	FALSE	8.14516032	8.264649	FALSE	463.80	280	0.03228	0.0000406
5478804174980	547880	4174980	8.272945	8.272945	6.131181	6.131181	FALSE	8.42669517	8.272945	FALSE	448.71	280	0.03228	0.0000406
5479004174980	547900	4174980	8.287926	8.287926	6.470622	6.470622	FALSE	8.89322288	8.287926	FALSE	434.02	280	0.03228	0.0000406
5479204174980	547920	4174980	8.333447	8.333447	7.429395	7.429395	FALSE	10.2109605	8.333447	FALSE	419.77	280	0.03228	0.0000406
5479404174980	547940	4174980	8.358558	8.358558	7.967773	7.967773	FALSE	10.9509072	8.358558	FALSE	406.01	280	0.03228	0.0000406
5479604174980	547960	4174980	8.2986	8.2986	6.776239	6.776239	FALSE	9.31326288	8.2986	FALSE	392.78	280	0.03228	0.0000406
5479804174980	547980	4174980	8.279396	8.279396	6.332144	6.332144	FALSE	8.70289871	8.279396	FALSE	380.14	280	0.03228	0.0000406
5480004174980	548000	4174980	8.273305	8.273305	6.245609	6.245609	FALSE	8.58396501	8.273305	FALSE	368.16	280	0.03228	0.0000406
5480204174980	548020	4174980	8.265502	8.265502	6.05431	6.05431	FALSE	8.32104366	8.265502	FALSE	356.90	280	0.03228	0.0000406
5480404174980	548040	4174980	8.254462	8.254462	5.726865	5.726865	FALSE	7.87100326	8.254462	FALSE	346.42	280	0.03228	0.0000406
5480604174980	548060	4174980	8.263958	8.263958	6.095388	6.095388	FALSE	8.37750127	8.263958	FALSE	336.81	280	0.03228	0.0000406
5480804174980	548080	4174980	8.269983	8.269983	6.341418	6.341418	FALSE	8.7156449	8.269983	FALSE	328.14	280	0.03228	0.0000406
5481004174980	548100	4174980	8.271068	8.271068	6.401838	6.401838	FALSE	8.79868615	8.271068	FALSE	320.48	280	0.03228	0.0000406
5481204174980	548120	4174980	8.261532	8.261532	6.077778	6.077778	FALSE	8.35329808	8.261532	FALSE	313.92	280	0.03228	0.0000406

5481404174980	548140	4174980	8.253545	8.253545	5.798428	5.798428	FALSE	7.96935944	8.253545	FALSE	308.51	280	0.03228	0.0000406
5481604174980	548160	4174980	8.247356	8.247356	5.563527	5.563527	FALSE	7.64651151	8.247356	FALSE	304.32	280	0.03228	0.0000406
5481804174980	548180	4174980	8.228976	8.228976	5.103079	5.103079	FALSE	7.01367178	8.228976	FALSE	301.40	280	0.03228	0.0000406
5482004174980	548200	4174980	8.211639	8.211639	4.67358	4.67358	FALSE	6.42336835	8.211639	FALSE	299.79	280	0.03228	0.0000406
5482204174980	548220	4174980	8.216464	8.216464	4.802937	4.802937	FALSE	6.60115661	8.216464	FALSE	299.52	280	0.03228	0.0000406
5482404174980	548240	4174980	8.207621	8.207621	4.549032	4.549032	FALSE	6.25218958	8.207621	FALSE	300.57	280	0.03228	0.0000406
5482604174980	548260	4174980	8.207714	8.207714	4.57068	4.57068	FALSE	6.28194259	8.207714	FALSE	302.95	280	0.03228	0.0000406
5482804174980	548280	4174980	8.215909	8.215909	4.860571	4.860571	FALSE	6.68036878	8.215909	FALSE	306.61	280	0.03228	0.0000406
5483004174980	548300	4174980	8.23115	8.23115	5.361299	5.361299	FALSE	7.36856935	8.23115	FALSE	311.52	280	0.03228	0.0000406
5483204174980	548320	4174980	8.259432	8.259432	6.241231	6.241231	FALSE	8.57794789	8.259432	FALSE	317.61	280	0.03228	0.0000406
5483404174980	548340	4174980	8.304962	8.304962	7.607621	7.607621	FALSE	10.4559143	8.304962	FALSE	324.82	280	0.03228	0.0000406
5483604174980	548360	4174980	8.36693	8.36693	9.382902	9.382902	FALSE	12.8958605	8.36693	FALSE	333.08	280	0.03228	0.0000406
5483804174980	548380	4174980	8.424276	8.424276	11.0137	11.0137	FALSE	15.1372334	8.424276	FALSE	342.31	280	0.03228	0.0000406
5484004174980	548400	4174980	8.475767	8.475767	12.39937	12.39937	FALSE	17.0416914	8.475767	FALSE	352.43	280	0.03228	0.0000406
5484204174980	548420	4174980	8.500194	8.500194	13.1971	13.1971	FALSE	18.138097	8.500194	FALSE	363.38	280	0.03228	0.0000406
5484404174980	548440	4174980	8.508466	8.508466	13.78512	13.78512	FALSE	18.9462717	8.508466	FALSE	375.07	280	0.03228	0.0000406
5484604174980	548460	4174980	8.557536	8.557536	15.32733	15.32733	TRUE	21.0658878	8.557536	TRUE	387.44	280	0.03228	0.0000406
5484804174980	548480	4174980	8.560261	8.560261	15.58893	15.58893	FALSE	21.4254199	8.560261	FALSE	400.43	280	0.03228	0.0000406
5485004174980	548500	4174980	8.591364	8.591364	16.63045	16.63045	TRUE	22.8568932	8.591364	TRUE	413.98	280	0.03228	0.0000406
5485204174980	548520	4174980	8.608906	8.608906	17.62091	17.62091	TRUE	24.2181828	8.608906	TRUE	428.03	280	0.03228	0.0000406
5485404174980	548540	4174980	8.658588	8.658588	19.5169	19.5169	TRUE	26.8240315	8.658588	TRUE	442.54	280	0.03228	0.0000406
5485604174980	548560	4174980	8.777909	8.777909	23.7153	23.7153	TRUE	32.5943028	8.777909	TRUE	457.47	280	0.03228	0.0000406
5485804174980	548580	4174980	9.052279	9.052279	33.31891	33.31891	FALSE	45.7935058	9.052279	FALSE	472.77	280	0.03228	0.0000406
5486004174980	548600	4174980	9.460199	9.460199	46.11394	46.11394	TRUE	63.3789964	9.460199	TRUE	488.41	280	0.03228	0.0000406
5486204174980	548620	4174980	10.33402	10.33402	73.45126	73.45126	FALSE	100.951405	10.334019	FALSE	504.36	280	0.03228	0.0000406
5486404174980	548640	4174980	10.58315	10.58315	79.87728	79.87728	FALSE	109.783331	10.583152	FALSE	520.59	280	0.03228	0.0000406
5486604174980	548660	4174980	10.3879	10.3879	78.3314	78.3314	TRUE	107.658682	10.387903	TRUE	537.07	280	0.03228	0.0000406
5486804174980	548680	4174980	9.984171	9.984171	68.00316	68.00316	TRUE	93.463539	9.984171	TRUE	553.78	280	0.03228	0.0000406
5487004174980	548700	4174980	9.781464	9.781464	63.0331	63.0331	TRUE	86.6326926	9.781464	TRUE	570.71	280	0.03228	0.0000406
5487204174980	548720	4174980	9.829915	9.829915	67.80793	67.80793	TRUE	93.1952149	9.829915	TRUE	587.83	280	0.03228	0.0000406
5487404174980	548740	4174980	9.855534	9.855534	68.79601	68.79601	FALSE	94.5532403	9.855534	FALSE	605.12	280	0.03228	0.0000406
5487604174980	548760	4174980	10.26967	10.26967	86.79709	86.79709	FALSE	119.293919	10.269673	FALSE	622.58	280	0.03228	0.0000406
5487804174980	548780	4174980	9.91141	9.91141	70.7988	70.7988	FALSE	97.3058652	9.91141	FALSE	640.19	280	0.03228	0.0000406
5488004174980	548800	4174980	9.495338	9.495338	53.77474	53.77474	TRUE	73.9080082	9.495338	TRUE	657.93	280	0.03228	0.0000406
5488204174980	548820	4174980	9.21572	9.21572	42.7773	42.7773	TRUE	58.7931252	9.21572	TRUE	675.80	280	0.03228	0.0000406
5488404174980	548840	4174980	9.059423	9.059423	36.96868	36.96868	FALSE	50.8097524	9.059423	FALSE	693.79	280	0.03228	0.0000406
5488604174980	548860	4174980	8.954765	8.954765	33.23297	33.23297	FALSE	45.6753898	8.954765	FALSE	711.88	280	0.03228	0.0000406
5488804174980	548880	4174980	8.875985	8.875985	30.48426	30.48426	FALSE	41.8975614	8.875985	FALSE	730.07	280	0.03228	0.0000406
5489004174980	548900	4174980	8.81431	8.81431	28.37556	28.37556	FALSE	38.9993738	8.81431	FALSE	748.36	280	0.03228	0.0000406
5489204174980	548920	4174980	8.765961	8.765961	26.80126	26.80126	FALSE	36.8356572	8.765961	FALSE	766.73	280	0.03228	0.0000406
5489404174980	548940	4174980	8.724153	8.724153	25.47026	25.47026	FALSE	35.0063226	8.724153	FALSE	785.18	280	0.03228	0.0000406
5489604174980	548960	4174980	8.690099	8.690099	24.391	24.391	FALSE	33.5229931	8.690099	FALSE	803.70	280	0.03228	0.0000406
5489804174980	548980	4174980	8.657174	8.657174	23.22711	23.22711	FALSE	31.9233331	8.657174	FALSE	822.30	280	0.03228	0.0000406
5490004174980	549000	4174980	8.627443	8.627443	22.16927	22.16927	FALSE	30.4694447	8.627443	FALSE	840.96	280	0.03228	0.0000406
5490204174980	549020	4174980	8.598742	8.598742	21.13734	21.13734	FALSE	29.0511587	8.598742	FALSE	859.68	280	0.03228	0.0000406
5490404174980	549040	4174980	8.574487	8.574487	20.28172	20.28172	FALSE	27.8751918	8.574487	FALSE	878.45	280	0.03228	0.0000406
5490604174980	549060	4174980	8.553786	8.553786	19.55181	19.55181	FALSE	26.8720035	8.553786	FALSE	897.28	280	0.03228	0.0000406
5470204175000	547020	4175000	8.249982	8.249982	5.756889	5.756889	FALSE	7.91226824	8.249982	FALSE	1226.43	280	0.03228	0.0000406
5470404175000	547040	4175000	8.250831	8.250831	5.754998	5.754998	FALSE	7.90966925	8.250831	FALSE	1206.97	280	0.03228	0.0000406
5470604175000	547060	4175000	8.249349	8.249349	5.639678	5.639678	FALSE	7.75117344	8.249349	FALSE	1187.52	280	0.03228	0.0000406
5470804175000	547080	4175000	8.247442	8.247442	5.500213	5.500213	FALSE	7.55949275	8.247442	FALSE	1168.09	280	0.03228	0.0000406
5471004175000	547100	4175000	8.252812	8.252812	5.554864	5.554864	FALSE	7.63460508	8.252812	FALSE	1148.68	280	0.03228	0.0000406
5471204175000	547120	4175000	8.269158	8.269158	5.883427	5.883427	FALSE	8.08618207	8.269158	FALSE	1129.29	280	0.03228	0.0000406
5471404175000	547140	4175000	8.248045	8.248045	5.435506	5.435506	FALSE	7.47055945	8.248045	FALSE	1109.93	280	0.03228	0.0000406
5471604175000	547160	4175000	8.242238	8.242238	5.32629	5.32629	FALSE	7.32045298	8.242238	FALSE	1090.58	280	0.03228	0.0000406
5471804175000	547180	4175000	8.246901	8.246901	5.399951	5.399951	FALSE	7.42169265	8.246901	FALSE	1071.26	280	0.03228	0.0000406
5472004175000	547200	4175000	8.238821	8.238821	5.107989	5.107989	FALSE	7.02042008	8.238821	FALSE	1051.97	280	0.03228	0.0000406
5472204175000	547220	4175000	8.230869	8.230869	4.826343	4.826343	FALSE	6.63332582	8.230869	FALSE	1032.70	280	0.03228	0.0000406
5472404175000	547240	4175000	8.224996	8.224996	4.620274	4.620274	FALSE	6.35010459	8.224996	FALSE	1013.46	280	0.03228	0.0000406
5472604175000	547260	4175000	8.225318	8.225318	4.779845	4.779845	FALSE	6.56941897	8.225318	FALSE	994.25	280	0.03228	0.0000406
5472804175000	547280	4175000	8.220625	8.220625	4.626188	4.626188	FALSE	6.35823279	8.220625	FALSE	975.07	280	0.03228	0.0000406
5473004175000	547300	4175000	8.218585	8.218585	4.561536	4.561536	FALSE	6.26937508	8.218585	FALSE	955.93	280	0.03228	0.0000406
5473204175000	547320	4175000	8.217913	8.217913	4.537501	4.537501	FALSE	6.23634137	8.217913	FALSE	936.82	280	0.03228	0.0000406
5473404175000	547340	4175000	8.221905	8.221905	4.692376	4.692376	FALSE	6.44920157	8.221905	FALSE	917.75	280	0.03228	0.0000406
5473604175000	547360	4175000	8.222882	8.222882	4.737367	4.737367	FALSE	6.5110372	8.222882	FALSE	898.72	280	0.03228	0.0000406
5473804175000	547380	4175000	8.228659	8.228659	4.89439	4.89439	FALSE	6.72684962	8.228659	FALSE	879.73	280	0.03228	0.0000406
5474004175000	547400	4175000	8.222483	8.222483	4.699951	4.699951	FALSE	6.45961265	8.222483	FALSE	860.79	280	0.03228	0.0000406
5474204175000	547420	4175000	8.219277	8.219277	4.602043	4.602043	FALSE	6.3250479	8.219277	FALSE	841.90	280	0.03228	0.0000406
5474404175000	547440	4175000	8.219275	8.219275	4.612047	4.612047	FALSE	6.3387974	8.219275	FALSE	823.06	280	0.03228	0.0000406
5474604175000	547460	4175000	8.226497	8.226497	4.843242	4.843242	FALSE	6.6565518	8.226497	FALSE	804.28	280	0.03228	0.0000406
5474804175000	547480	4175000	8.23237	8.23237	5.039729	5.039729	FALSE	6.92660354	8.23237	FALSE	785.56	280	0.03228	0.0000406
5475004175000	547500	4175000	8.234582	8.234582	5.073162	5.073162	FALSE	6.97255385	8.234582	FALSE	766.90	280	0.03228	0.0000406
5475204175000	547520	4175000	8.226811	8.226811	4.764189	4.764189	FALSE	6.54790136	8.226811	FALSE	748.31	280	0.03228	0.0000406
5475404175000	547540	4175000	8.225832	8.225832	4.730219	4.730219	FALSE	6.50121299	8.225832	FALSE	729.79	280	0.03228	0.0000406
5475604175000	547560	4175000	8.22777	8.22777	4.795632	4.795632	FALSE	6.59111662	8.22777	FALSE	711.36	280	0.03228	0.0000406
5475804175000	547580	4175000	8.224946	8.224946	4.679727	4.679727	FALSE	6.43181679	8.224946	FALSE	693.01	280	0.03228	0.0000406
5476004175000	547600	4175000	8.227798	8.227798	4.770489	4.770489	FALSE	6.55656008	8.227798	FALSE	674.76	280	0.03228	0.0000406
5476204175000	547620	4175000	8.237958	8.237958	5.073013	5.073013	FALSE	6.97234907	8.237958	FALSE	656.61	280	0.03228	0.0000406
5476404175000	547640	4175000	8.250829	8.250829	5.42058	5.42058	FALSE	7.45004515	8.250829	FALSE	638.57	280	0.03228	0.0000406
5476604175000	547660	4175000	8.259642	8.259642	5.620837	5.620837	FALSE	7.72527837	8.259642	FALSE	620.64	280	0.03228	0.0000406
5476804175000	547680	4175000	8.249499	8.249499	5.414083	5.414083	FALSE	7.44111568	8.249499	FALSE	602.85	280	0.03228	0.0000406
5477004175000	547700	4175000	8.24719	8.24719	5.442141	5.442141	FALSE	7.47967859	8.24719	FALSE	585.21	280	0.03228	0.0000406
5477204175000	547720	4175000	8.246737	8.246737	5.489881	5.489881	FALSE	7.54529245	8.246737	FALSE	567.71	280	0.03228	0.0000406
5477404175000	547740	4175000	8.247481	8.247481	5.555005	5.555005	FALSE	7.63479887	8.247481	FALSE	550.39	280	0.03228	0.0000406
5477604175000	547760	4175000	8.244836	8.244836	5.490724	5.490724	FALSE	7.54645107	8.244836	FALSE	533.26	280	0.03228	0.0000406
5477804175000	547780	4175000	8.2442	8.2442	5.49125	5.49125	FALSE	7.547174	8.2442	FALSE	516.33	280	0.03228	0.0000406
5478004175000	547800	4175000	8.244947	8.244947	5.530167	5.530167	FALSE	7.60066152	8.244947	FALSE	499.63	280	0.03228	0.0000406
5478204175000	547820	4175000	8.251335	8.251335	5.743853	5.743853	FALSE	7.89435156	8.251335	FALSE	483.18	280	0.03228	0.0000406
5478404175000	547840	4175000	8.260902	8.260902	6.012351	6.012351	FALSE	8.26337521	8.260902	FALSE	467.01	280	0.03228	0.0000406
5478604175000	547860	4175000	8.263062	8.263062	6.061937	6.061937	FALSE	8.33152621	8.263062	FALSE	451.15	280	0.03228	0.0000406
5478804175000	547880	4175000	8.266137	8.266137	6.094396	6.094396	FALSE	8.37613786	8.266137	FALSE	435.62	280	0.03228	0.0000406
5479004175000	547900	4175000	8.278624	8.278624	6.351925	6.351925	FALSE	8.73008572	8.278624	FALSE	420.47	280	0.03228	0.0000406
5479204175000	547920	4175000	8.322682	8.322682	7.288291	7.288291	FALSE	10.0170272	8.322682	FALSE	405.75	280	0.03228	0.0000406
5479404175000	547940	4175000	8.332441	8.332441	7.52477	7.52477	FALSE	10.3420439	8.332441	FALSE	391.49	280	0.03228	0.0000406

5479604175000	547960	4175000	8.291543	8.291543	6.745825	6.745825	FALSE	9.27146188	8.291543	FALSE	377.75	280	0.03228	0.0000406
5479804175000	547980	4175000	8.276186	8.276186	6.434004	6.434004	FALSE	8.8428951	8.276186	FALSE	364.60	280	0.03228	0.0000406
5480004175000	548000	4175000	8.263146	8.263146	6.110963	6.110963	FALSE	8.39890755	8.263146	FALSE	352.09	280	0.03228	0.0000406
5480204175000	548020	4175000	8.253814	8.253814	5.863079	5.863079	FALSE	8.05821578	8.253814	FALSE	340.29	280	0.03228	0.0000406
5480404175000	548040	4175000	8.246014	8.246014	5.647382	5.647382	FALSE	7.76176182	8.246014	FALSE	329.29	280	0.03228	0.0000406
5480604175000	548060	4175000	8.252377	8.252377	5.915043	5.915043	FALSE	8.1296351	8.252377	FALSE	319.16	280	0.03228	0.0000406
5480804175000	548080	4175000	8.258407	8.258407	6.169535	6.169535	FALSE	8.4794089	8.258407	FALSE	310.00	280	0.03228	0.0000406
5481004175000	548100	4175000	8.263289	8.263289	6.372704	6.372704	FALSE	8.75864438	8.263289	FALSE	301.88	280	0.03228	0.0000406
5481204175000	548120	4175000	8.257031	8.257031	6.163283	6.163283	FALSE	8.47081616	8.257031	FALSE	294.90	280	0.03228	0.0000406
5481404175000	548140	4175000	8.25209	8.25209	5.988848	5.988848	FALSE	8.23107269	8.25209	FALSE	289.13	280	0.03228	0.0000406
5481604175000	548160	4175000	8.248811	8.248811	5.847051	5.847051	FALSE	8.03618689	8.248811	FALSE	284.66	280	0.03228	0.0000406
5481804175000	548180	4175000	8.234172	8.234172	5.511123	5.511123	FALSE	7.57448745	8.234172	FALSE	281.54	280	0.03228	0.0000406
5482004175000	548200	4175000	8.218223	8.218223	5.12882	5.12882	FALSE	7.04905021	8.218223	FALSE	279.82	260	0.04035	0.00005075
5482204175000	548220	4175000	8.22339	8.22339	5.265369	5.265369	FALSE	7.23672315	8.22339	FALSE	279.52	260	0.04035	0.00005075
5482404175000	548240	4175000	8.2196	8.2196	5.165701	5.165701	FALSE	7.09973945	8.2196	FALSE	280.65	280	0.03228	0.0000406
5482604175000	548260	4175000	8.221848	8.221848	5.229296	5.229296	FALSE	7.18714442	8.221848	FALSE	283.19	280	0.03228	0.0000406
5482804175000	548280	4175000	8.229856	8.229856	5.461904	5.461904	FALSE	7.50684086	8.229856	FALSE	287.11	280	0.03228	0.0000406
5483004175000	548300	4175000	8.249184	8.249184	5.991451	5.991451	FALSE	8.23465025	8.249184	FALSE	292.34	280	0.03228	0.0000406
5483204175000	548320	4175000	8.288155	8.288155	7.020752	7.020752	FALSE	9.64932155	8.288155	FALSE	298.83	280	0.03228	0.0000406
5483404175000	548340	4175000	8.353896	8.353896	8.699422	8.699422	FALSE	11.9564856	8.353896	FALSE	306.48	280	0.03228	0.0000406
5483604175000	548360	4175000	8.440819	8.440819	11.01549	11.01549	FALSE	15.1396908	8.440819	FALSE	315.22	280	0.03228	0.0000406
5483804175000	548380	4175000	8.443981	8.443981	11.57468	11.57468	FALSE	15.9082416	8.443981	FALSE	324.96	280	0.03228	0.0000406
5484004175000	548400	4175000	8.451989	8.451989	12.06321	12.06321	FALSE	16.5796772	8.451989	FALSE	335.61	280	0.03228	0.0000406
5484204175000	548420	4175000	8.472658	8.472658	12.7913	12.7913	FALSE	17.5803558	8.472658	FALSE	347.08	280	0.03228	0.0000406
5484404175000	548440	4175000	8.483268	8.483268	13.41723	13.41723	FALSE	18.440634	8.483268	FALSE	359.30	280	0.03228	0.0000406
5484604175000	548460	4175000	8.528042	8.528042	14.85773	14.85773	TRUE	20.4204572	8.528042	TRUE	372.20	280	0.03228	0.0000406
5484804175000	548480	4175000	8.589187	8.589187	16.47854	16.47854	FALSE	22.6481026	8.589187	FALSE	385.70	280	0.03228	0.0000406
5485004175000	548500	4175000	8.628084	8.628084	17.69237	17.69237	TRUE	24.3163865	8.628084	TRUE	399.75	280	0.03228	0.0000406
5485204175000	548520	4175000	8.610971	8.610971	17.83279	17.83279	TRUE	24.509388	8.610971	TRUE	414.28	280	0.03228	0.0000406
5485404175000	548540	4175000	8.653788	8.653788	19.57657	19.57657	TRUE	26.9060309	8.653788	TRUE	429.26	280	0.03228	0.0000406
5485604175000	548560	4175000	8.767323	8.767323	23.6348	23.6348	TRUE	32.4836664	8.767323	TRUE	444.63	280	0.03228	0.0000406
5485804175000	548580	4175000	9.028261	9.028261	32.77739	32.77739	FALSE	45.0492379	9.028261	FALSE	460.36	280	0.03228	0.0000406
5486004175000	548600	4175000	9.641376	9.641376	55.1525	55.1525	TRUE	75.8015974	9.641376	TRUE	476.41	280	0.03228	0.0000406
5486204175000	548620	4175000	9.819853	9.819853	60.09638	60.09638	FALSE	82.5964592	9.819853	FALSE	492.74	280	0.03228	0.0000406
5486404175000	548640	4175000	10.2776	10.2776	73.10686	73.10686	FALSE	100.478066	10.277597	FALSE	509.34	280	0.03228	0.0000406
5486604175000	548660	4175000	10.65535	10.65535	87.01841	87.01841	TRUE	119.598101	10.655349	TRUE	526.18	280	0.03228	0.0000406
5486804175000	548680	4175000	10.3285	10.3285	83.86691	83.86691	TRUE	115.266682	10.3285	TRUE	543.23	280	0.03228	0.0000406
5487004175000	548700	4175000	10.0997	10.0997	76.14729	76.14729	FALSE	104.656835	10.099697	FALSE	560.47	280	0.03228	0.0000406
5487204175000	548720	4175000	10.28544	10.28544	84.31997	84.31997	FALSE	115.889372	10.285443	FALSE	577.90	280	0.03228	0.0000406
5487404175000	548740	4175000	9.990111	9.990111	72.03549	72.03549	FALSE	99.0055733	9.990111	FALSE	595.48	280	0.03228	0.0000406
5487604175000	548760	4175000	9.675523	9.675523	61.1669	61.1669	TRUE	84.0677915	9.675523	TRUE	613.21	280	0.03228	0.0000406
5487804175000	548780	4175000	9.363279	9.363279	48.50067	48.50067	FALSE	66.6593208	9.363279	FALSE	631.08	280	0.03228	0.0000406
5488004175000	548800	4175000	9.390299	9.390299	51.45721	51.45721	FALSE	70.7227826	9.390299	FALSE	649.07	280	0.03228	0.0000406
5488204175000	548820	4175000	9.158924	9.158924	41.69902	41.69902	FALSE	57.3111276	9.158924	FALSE	667.18	280	0.03228	0.0000406
5488404175000	548840	4175000	9.016396	9.016396	35.99303	35.99303	FALSE	49.4688177	9.016396	FALSE	685.39	280	0.03228	0.0000406
5488604175000	548860	4175000	8.919584	8.919584	32.36886	32.36886	FALSE	44.4877626	8.919584	FALSE	703.70	280	0.03228	0.0000406
5488804175000	548880	4175000	8.851005	8.851005	29.9646	29.9646	FALSE	41.1833435	8.851005	FALSE	722.10	280	0.03228	0.0000406
5489004175000	548900	4175000	8.798398	8.798398	28.247	28.247	FALSE	38.8226782	8.798398	FALSE	740.58	280	0.03228	0.0000406
5489204175000	548920	4175000	8.757833	8.757833	27.07008	27.07008	FALSE	37.2051111	8.757833	FALSE	759.14	280	0.03228	0.0000406
5489404175000	548940	4175000	8.722034	8.722034	26.03765	26.03765	FALSE	35.7861434	8.722034	FALSE	777.77	280	0.03228	0.0000406
5489604175000	548960	4175000	8.687255	8.687255	24.76704	24.76704	FALSE	34.039817	8.687255	FALSE	796.47	280	0.03228	0.0000406
5489804175000	548980	4175000	8.653087	8.653087	23.3533	23.3533	FALSE	32.0967728	8.653087	FALSE	815.23	280	0.03228	0.0000406
5490004175000	549000	4175000	8.623948	8.623948	22.19273	22.19273	FALSE	30.5016812	8.623948	FALSE	834.04	280	0.03228	0.0000406
5490204175000	549020	4175000	8.596345	8.596345	21.14522	21.14522	FALSE	29.0619945	8.596345	FALSE	852.91	280	0.03228	0.0000406
5490404175000	549040	4175000	8.573345	8.573345	20.3143	20.3143	FALSE	27.919967	8.573345	FALSE	871.83	280	0.03228	0.0000406
5490604175000	549060	4175000	8.553127	8.553127	19.59065	19.59065	FALSE	26.9253907	8.553127	FALSE	890.80	280	0.03228	0.0000406
5490804175000	549080	4175000	8.541068	8.541068	19.18009	19.18009	FALSE	26.3611088	8.541068	FALSE	909.81	280	0.03228	0.0000406
5470204175020	547020	4175020	8.262979	8.262979	6.121885	6.121885	FALSE	8.41391874	8.262979	FALSE	1222.03	280	0.03228	0.0000406
5470404175020	547040	4175020	8.264582	8.264582	6.151506	6.151506	FALSE	8.45462985	8.264582	FALSE	1202.49	280	0.03228	0.0000406
5470604175020	547060	4175020	8.264687	8.264687	6.102635	6.102635	FALSE	8.38746154	8.264687	FALSE	1182.97	280	0.03228	0.0000406
5470804175020	547080	4175020	8.266334	8.266334	6.090219	6.090219	FALSE	8.37039699	8.266334	FALSE	1163.47	280	0.03228	0.0000406
5471004175020	547100	4175020	8.272267	8.272267	6.153538	6.153538	FALSE	8.45742263	8.272267	FALSE	1143.98	280	0.03228	0.0000406
5471204175020	547120	4175020	8.294984	8.294984	6.621347	6.621347	FALSE	9.10037932	8.294984	FALSE	1124.51	280	0.03228	0.0000406
5471404175020	547140	4175020	8.267242	8.267242	6.048601	6.048601	FALSE	8.31319721	8.267242	FALSE	1105.06	280	0.03228	0.0000406
5471604175020	547160	4175020	8.258678	8.258678	5.845325	5.845325	FALSE	8.03381468	8.258678	FALSE	1085.63	280	0.03228	0.0000406
5471804175020	547180	4175020	8.262298	8.262298	5.887171	5.887171	FALSE	8.09132782	8.262298	FALSE	1066.22	280	0.03228	0.0000406
5472004175020	547200	4175020	8.254459	8.254459	5.611527	5.611527	FALSE	7.71248271	8.254459	FALSE	1046.83	280	0.03228	0.0000406
5472204175020	547220	4175020	8.245709	8.245709	5.316401	5.316401	FALSE	7.30686153	8.245709	FALSE	1027.47	280	0.03228	0.0000406
5472404175020	547240	4175020	8.240478	8.240478	5.138475	5.138475	FALSE	7.06232004	8.240478	FALSE	1008.13	280	0.03228	0.0000406
5472604175020	547260	4175020	8.241901	8.241901	5.333921	5.333921	FALSE	7.33094102	8.241901	FALSE	988.81	280	0.03228	0.0000406
5472804175020	547280	4175020	8.23759	8.23759	5.19079	5.19079	FALSE	7.13422178	8.23759	FALSE	969.53	280	0.03228	0.0000406
5473004175020	547300	4175020	8.234823	8.234823	5.093645	5.093645	FALSE	7.00070569	8.234823	FALSE	950.27	280	0.03228	0.0000406
5473204175020	547320	4175020	8.232062	8.232062	4.997321	4.997321	FALSE	6.86831798	8.232062	FALSE	931.05	280	0.03228	0.0000406
5473404175020	547340	4175020	8.235226	8.235226	5.126764	5.126764	FALSE	7.04622444	8.235226	FALSE	911.86	280	0.03228	0.0000406
5473604175020	547360	4175020	8.236907	8.236907	5.199897	5.199897	FALSE	7.14673844	8.236907	FALSE	892.70	280	0.03228	0.0000406
5473804175020	547380	4175020	8.245749	8.245749	5.460409	5.460409	FALSE	7.50478613	8.245749	FALSE	873.59	280	0.03228	0.0000406
5474004175020	547400	4175020	8.238808	8.238808	5.241843	5.241843	FALSE	7.20438902	8.238808	FALSE	854.51	280	0.03228	0.0000406
5474204175020	547420	4175020	8.234322	8.234322	5.101816	5.101816	FALSE	7.01193591	8.234322	FALSE	835.48	280	0.03228	0.0000406
5474404175020	547440	4175020	8.232426	8.232426	5.048878	5.048878	FALSE	6.93917792	8.232426	FALSE	816.49	280	0.03228	0.0000406
5474604175020	547460	4175020	8.237833	8.237833	5.22111	5.22111	FALSE	7.17589358	8.237833	FALSE	797.55	280	0.03228	0.0000406
5474804175020	547480	4175020	8.242154	8.242154	5.3652	5.3652	FALSE	7.37393088	8.242154	FALSE	778.67	280	0.03228	0.0000406
5475004175020	547500	4175020	8.242457	8.242457	5.333973	5.333973	FALSE	7.33101249	8.242457	FALSE	759.84	280	0.03228	0.0000406
5475204175020	547520	4175020	8.233699	8.233699	4.986698	4.986698	FALSE	6.85371773	8.233699	FALSE	741.07	280	0.03228	0.0000406
5475404175020	547540	4175020	8.232008	8.232008	4.932075	4.932075	FALSE	6.77864388	8.232008	FALSE	722.37	280	0.03228	0.0000406
5475604175020	547560	4175020	8.234023	8.234023	5.000628	5.000628	FALSE	6.87286312	8.234023	FALSE	703.74	280	0.03228	0.0000406
5475804175020	547580	4175020	8.231194	8.231194	4.885031	4.885031	FALSE	6.71398661	8.231194	FALSE	685.19	280	0.03228	0.0000406
5476004175020	547600	4175020	8.233718	8.233718	4.966496	4.966496	FALSE	6.8259521	8.233718	FALSE	666.72	280	0.03228	0.0000406
5476204175020	547620	4175020	8.243341	8.243341	5.253272	5.253272	FALSE	7.22009704	8.243341	FALSE	648.35	280	0.03228	0.0000406
5476404175020	547640	4175020	8.25543	8.25543	5.578627	5.578627	FALSE	7.66726495	8.25543	FALSE	630.07	280	0.03228	0.0000406
5476604175020	547660	4175020	8.265215	8.265215	5.798635	5.798635	FALSE	7.96964394	8.265215	FALSE	611.90	280	0.03228	0.0000406
5476804175020	547680	4175020	8.254879	8.254879	5.603817	5.603817	FALSE	7.70188608	8.254879	FALSE	593.85	280	0.03228	0.0000406
5477004175020	547700	4175020	8.252691	8.252691	5.638856	5.638856	FALSE	7.75004369	8.252691	FALSE	575.92	280	0.03228	0.0000406
5477204175020	547720	4175020	8.253051	8.253051	5.714193	5.714193	FALSE	7.85358686	8.253051	FALSE	558.14	280	0.03228	0.0000406
5477404175020	547740	4175020	8.255224	8.255224	5.827878	5.827878	FALSE	8.00983552	8.255224	FALSE	540.51	280	0.03228	0.0000406

5477604175020	547760	4175020	8.253934	8.253934	5.811481	5.811481	FALSE	7.98729949	8.253934	FALSE	523.06	280	0.03228	0.0000406
5477804175020	547780	4175020	8.253776	8.253776	5.836939	5.836939	FALSE	8.02228896	8.253776	FALSE	505.79	280	0.03228	0.0000406
5478004175020	547800	4175020	8.254775	8.254775	5.889373	5.889373	FALSE	8.09435425	8.254775	FALSE	488.73	280	0.03228	0.0000406
5478204175020	547820	4175020	8.262841	8.262841	6.161415	6.161415	FALSE	8.46824878	8.262841	FALSE	471.90	280	0.03228	0.0000406
5478404175020	547840	4175020	8.273807	8.273807	6.480123	6.480123	FALSE	8.90628105	8.273807	FALSE	455.32	280	0.03228	0.0000406
5478604175020	547860	4175020	8.276485	8.276485	6.550173	6.550173	FALSE	9.00255777	8.276485	FALSE	439.04	280	0.03228	0.0000406
5478804175020	547880	4175020	8.277272	8.277272	6.504585	6.504585	FALSE	8.93990162	8.277272	FALSE	423.07	280	0.03228	0.0000406
5479004175020	547900	4175020	8.288235	8.288235	6.708967	6.708967	FALSE	9.22080424	8.288235	FALSE	407.46	280	0.03228	0.0000406
5479204175020	547920	4175020	8.321208	8.321208	7.406262	7.406262	FALSE	10.1791665	8.321208	FALSE	392.24	280	0.03228	0.0000406
5479404175020	547940	4175020	8.327242	8.327242	7.580427	7.580427	FALSE	10.4185389	8.327242	FALSE	377.47	280	0.03228	0.0000406
5479604175020	547960	4175020	8.300847	8.300847	7.110408	7.110408	FALSE	9.77254476	8.300847	FALSE	363.21	280	0.03228	0.0000406
5479804175020	547980	4175020	8.287804	8.287804	6.880017	6.880017	FALSE	9.45589536	8.287804	FALSE	349.50	280	0.03228	0.0000406
5480004175020	548000	4175020	8.272617	8.272617	6.492131	6.492131	FALSE	8.92278485	8.272617	FALSE	336.43	280	0.03228	0.0000406
5480204175020	548020	4175020	8.262826	8.262826	6.233243	6.233243	FALSE	8.56696918	8.262826	FALSE	324.07	280	0.03228	0.0000406
5480404175020	548040	4175020	8.2563	8.2563	6.066192	6.066192	FALSE	8.33737428	8.2563	FALSE	312.50	280	0.03228	0.0000406
5480604175020	548060	4175020	8.259987	8.259987	6.24347	6.24347	FALSE	8.58102517	8.259987	FALSE	301.81	280	0.03228	0.0000406
5480804175020	548080	4175020	8.265804	8.265804	6.496138	6.496138	FALSE	8.92829207	8.265804	FALSE	292.10	280	0.03228	0.0000406
5481004175020	548100	4175020	8.272949	8.272949	6.791206	6.791206	FALSE	9.33383353	8.272949	FALSE	283.47	280	0.03228	0.0000406
5481204175020	548120	4175020	8.272318	8.272318	6.796057	6.796057	FALSE	9.34050074	8.272318	FALSE	276.02	260	0.04035	0.00005075
5481404175020	548140	4175020	8.271755	8.271755	6.786462	6.786462	FALSE	9.32731337	8.271755	FALSE	269.85	260	0.04035	0.00005075
5481604175020	548160	4175020	8.271536	8.271536	6.759692	6.759692	FALSE	9.29052068	8.271536	FALSE	265.05	260	0.04035	0.00005075
5481804175020	548180	4175020	8.260237	8.260237	6.540209	6.540209	FALSE	8.98886325	8.260237	FALSE	261.70	260	0.04035	0.00005075
5482004175020	548200	4175020	8.25508	8.25508	6.405843	6.405843	FALSE	8.80419062	8.25508	FALSE	259.85	240	0.04842	0.0000609
5482204175020	548220	4175020	8.248161	8.248161	6.248489	6.248489	FALSE	8.58792328	8.248161	FALSE	259.52	240	0.04842	0.0000609
5482404175020	548240	4175020	8.251699	8.251699	6.379726	6.379726	FALSE	8.76829541	8.251699	FALSE	260.74	260	0.04035	0.00005075
5482604175020	548260	4175020	8.259714	8.259714	6.557959	6.557959	FALSE	9.01325885	8.259714	FALSE	263.48	260	0.04035	0.00005075
5482804175020	548280	4175020	8.278175	8.278175	6.908544	6.908544	FALSE	9.49510287	8.278175	FALSE	267.68	260	0.04035	0.00005075
5483004175020	548300	4175020	8.340849	8.340849	8.247185	8.247185	FALSE	11.3349311	8.340849	FALSE	273.29	260	0.04035	0.00005075
5483204175020	548320	4175020	8.379909	8.379909	9.217921	9.217921	FALSE	12.6691106	8.379909	FALSE	280.21	280	0.03228	0.0000406
5483404175020	548340	4175020	8.357557	8.357557	9.113801	9.113801	FALSE	12.5260081	8.357557	FALSE	288.36	280	0.03228	0.0000406
5483604175020	548360	4175020	8.37147	8.37147	9.998638	9.998638	FALSE	13.7421281	8.37147	FALSE	297.63	280	0.03228	0.0000406
5483804175020	548380	4175020	8.402816	8.402816	11.05368	11.05368	FALSE	15.1921778	8.402816	FALSE	307.93	280	0.03228	0.0000406
5484004175020	548400	4175020	8.462905	8.462905	12.5218	12.5218	FALSE	17.2099619	8.462905	FALSE	319.14	280	0.03228	0.0000406
5484204175020	548420	4175020	8.499895	8.499895	13.58853	13.58853	FALSE	18.6760729	8.499895	FALSE	331.19	280	0.03228	0.0000406
5484404175020	548440	4175020	8.493572	8.493572	13.92395	13.92395	FALSE	19.1370824	8.493572	FALSE	343.98	280	0.03228	0.0000406
5484604175020	548460	4175020	8.532034	8.532034	15.25923	15.25923	TRUE	20.9722898	8.532034	TRUE	357.42	280	0.03228	0.0000406
5484804175020	548480	4175020	8.581025	8.581025	16.71884	16.71884	TRUE	22.9783778	8.581025	TRUE	371.46	280	0.03228	0.0000406
5485004175020	548500	4175020	8.609956	8.609956	17.75809	17.75809	FALSE	24.406723	8.609956	FALSE	386.03	280	0.03228	0.0000406
5485204175020	548520	4175020	8.64743	8.64743	19.01677	19.01677	TRUE	26.1366487	8.64743	TRUE	401.06	280	0.03228	0.0000406
5485404175020	548540	4175020	8.682987	8.682987	20.65124	20.65124	TRUE	28.3830656	8.682987	TRUE	416.52	280	0.03228	0.0000406
5485604175020	548560	4175020	8.795442	8.795442	24.76517	24.76517	TRUE	34.0372551	8.795442	TRUE	432.34	280	0.03228	0.0000406
5485804175020	548580	4175020	9.05805	9.05805	34.04673	34.04673	TRUE	46.7938285	9.05805	TRUE	448.50	280	0.03228	0.0000406
5486004175020	548600	4175020	9.621078	9.621078	54.20114	54.20114	FALSE	74.4940427	9.621078	FALSE	464.96	280	0.03228	0.0000406
5486204175020	548620	4175020	10.45122	10.45122	78.67562	78.67562	FALSE	108.131778	10.451215	FALSE	481.68	280	0.03228	0.0000406
5486404175020	548640	4175020	10.41362	10.41362	76.47332	76.47332	FALSE	105.104924	10.413622	FALSE	498.65	280	0.03228	0.0000406
5486604175020	548660	4175020	10.58796	10.58796	88.46531	88.46531	TRUE	121.586726	10.587957	TRUE	515.83	280	0.03228	0.0000406
5486804175020	548680	4175020	10.82012	10.82012	100.7978	100.7978	TRUE	138.536522	10.820123	TRUE	533.22	280	0.03228	0.0000406
5487004175020	548700	4175020	10.19967	10.19967	76.94902	76.94902	TRUE	105.758736	10.199667	TRUE	550.77	280	0.03228	0.0000406
5487204175020	548720	4175020	9.744869	9.744869	61.00108	61.00108	TRUE	83.8398816	9.744869	TRUE	568.49	280	0.03228	0.0000406
5487404175020	548740	4175020	9.513208	9.513208	53.12174	53.12174	TRUE	73.0105236	9.513208	TRUE	586.36	280	0.03228	0.0000406
5487604175020	548760	4175020	9.378348	9.378348	48.88702	48.88702	TRUE	67.1903148	9.378348	TRUE	604.36	280	0.03228	0.0000406
5487804175020	548780	4175020	9.338481	9.338481	48.72112	48.72112	TRUE	66.9623087	9.338481	TRUE	622.48	280	0.03228	0.0000406
5488004175020	548800	4175020	9.129478	9.129478	39.89597	39.89597	FALSE	54.833017	9.129478	FALSE	640.72	280	0.03228	0.0000406
5488204175020	548820	4175020	9.249834	9.249834	46.71463	46.71463	FALSE	64.2045902	9.249834	FALSE	659.05	280	0.03228	0.0000406
5488404175020	548840	4175020	9.020636	9.020636	36.80021	36.80021	FALSE	50.5782031	9.020636	FALSE	677.48	280	0.03228	0.0000406
5488604175020	548860	4175020	8.918905	8.918905	32.88088	32.88088	FALSE	45.1914828	8.918905	FALSE	696.00	280	0.03228	0.0000406
5488804175020	548880	4175020	8.85407	8.85407	30.70749	30.70749	FALSE	42.2043674	8.85407	FALSE	714.60	280	0.03228	0.0000406
5489004175020	548900	4175020	8.804513	8.804513	29.17694	29.17694	FALSE	40.1007808	8.804513	FALSE	733.27	280	0.03228	0.0000406
5489204175020	548920	4175020	8.77366	8.77366	28.79829	28.79829	FALSE	39.5803753	8.77366	FALSE	752.01	280	0.03228	0.0000406
5489404175020	548940	4175020	8.776254	8.776254	30.93227	30.93227	FALSE	42.513305	8.776254	FALSE	770.81	280	0.03228	0.0000406
5489604175020	548960	4175020	8.721587	8.721587	27.85089	27.85089	FALSE	38.2782605	8.721587	FALSE	789.67	280	0.03228	0.0000406
5489804175020	548980	4175020	8.656638	8.656638	23.81516	23.81516	FALSE	32.7315518	8.656638	FALSE	808.59	280	0.03228	0.0000406
5490004175020	549000	4175020	8.624726	8.624726	22.33331	22.33331	FALSE	30.6949026	8.624726	FALSE	827.56	280	0.03228	0.0000406
5490204175020	549020	4175020	8.597424	8.597424	21.23276	21.23276	FALSE	29.1822985	8.597424	FALSE	846.57	280	0.03228	0.0000406
5490404175020	549040	4175020	8.575706	8.575706	20.42578	20.42578	FALSE	28.0731865	8.575706	FALSE	865.63	280	0.03228	0.0000406
5490604175020	549060	4175020	8.555825	8.555825	19.70523	19.70523	FALSE	27.0828709	8.555825	FALSE	884.73	280	0.03228	0.0000406
5490804175020	549080	4175020	8.544405	8.544405	19.30902	19.30902	FALSE	26.5383116	8.544405	FALSE	903.87	280	0.03228	0.0000406
5470004175040	547000	4175040	8.277755	8.277755	6.438067	6.438067	FALSE	8.84847928	8.277755	FALSE	1237.56	280	0.03228	0.0000406
5470204175040	547020	4175040	8.281378	8.281378	6.561329	6.561329	FALSE	9.01789058	8.281378	FALSE	1217.94	280	0.03228	0.0000406
5470404175040	547040	4175040	8.284417	8.284417	6.656468	6.656468	FALSE	9.14864962	8.284417	FALSE	1198.34	280	0.03228	0.0000406
5470604175040	547060	4175040	8.286421	8.286421	6.681769	6.681769	FALSE	9.18342331	8.286421	FALSE	1178.75	280	0.03228	0.0000406
5470804175040	547080	4175040	8.290171	8.290171	6.744146	6.744146	FALSE	9.26915426	8.290171	FALSE	1159.17	280	0.03228	0.0000406
5471004175040	547100	4175040	8.296588	8.296588	6.813029	6.813029	FALSE	9.36382706	8.296588	FALSE	1139.61	280	0.03228	0.0000406
5471204175040	547120	4175040	8.305896	8.305896	6.997372	6.997372	FALSE	9.61718808	8.305896	FALSE	1120.06	280	0.03228	0.0000406
5471404175040	547140	4175040	8.289293	8.289293	6.656564	6.656564	FALSE	9.14878156	8.289293	FALSE	1100.53	280	0.03228	0.0000406
5471604175040	547160	4175040	8.278021	8.278021	6.363482	6.363482	FALSE	8.74596966	8.278021	FALSE	1081.02	280	0.03228	0.0000406
5471804175040	547180	4175040	8.279611	8.279611	6.34549	6.34549	FALSE	8.72124146	8.279611	FALSE	1061.53	280	0.03228	0.0000406
5472004175040	547200	4175040	8.269853	8.269853	6.027134	6.027134	FALSE	8.28369297	8.269853	FALSE	1042.05	280	0.03228	0.0000406
5472204175040	547220	4175040	8.26134	8.26134	5.764913	5.764913	FALSE	7.92329643	8.26134	FALSE	1022.60	280	0.03228	0.0000406
5472404175040	547240	4175040	8.258637	8.258637	5.687824	5.687824	FALSE	7.81734531	8.258637	FALSE	1003.17	280	0.03228	0.0000406
5472604175040	547260	4175040	8.262876	8.262876	5.993604	5.993604	FALSE	8.23760934	8.262876	FALSE	983.76	280	0.03228	0.0000406
5472804175040	547280	4175040	8.257579	8.257579	5.817792	5.817792	FALSE	7.99597332	8.257579	FALSE	964.37	280	0.03228	0.0000406
5473004175040	547300	4175040	8.253742	8.253742	5.683715	5.683715	FALSE	7.8116979	8.253742	FALSE	945.01	280	0.03228	0.0000406
5473204175040	547320	4175040	8.251469	8.251469	5.594547	5.594547	FALSE	7.6891454	8.251469	FALSE	925.68	280	0.03228	0.0000406
5473404175040	547340	4175040	8.250463	8.250463	5.582487	5.582487	FALSE	7.67257013	8.250463	FALSE	906.37	280	0.03228	0.0000406
5473604175040	547360	4175040	8.251276	8.251276	5.635295	5.635295	FALSE	7.74514945	8.251276	FALSE	887.10	280	0.03228	0.0000406
5473804175040	547380	4175040	8.263024	8.263024	6.008573	6.008573	FALSE	8.25818273	8.263024	FALSE	867.86	280	0.03228	0.0000406
5474004175040	547400	4175040	8.25627	8.25627	5.810612	5.810612	FALSE	7.98610513	8.25627	FALSE	848.65	280	0.03228	0.0000406
5474204175040	547420	4175040	8.251875	8.251875	5.678955	5.678955	FALSE	7.80515575	8.251875	FALSE	829.48	280	0.03228	0.0000406
5474404175040	547440	4175040	8.249573	8.249573	5.614615	5.614615	FALSE	7.71672686	8.249573	FALSE	810.36	280	0.03228	0.0000406
5474604175040	547460	4175040	8.252771	8.252771	5.713994	5.713994	FALSE	7.85331335	8.252771	FALSE	791.27	280	0.03228	0.0000406
5474804175040	547480	4175040	8.254205	8.254205	5.760826	5.760826	FALSE	7.91767925	8.254205	FALSE	772.23	280	0.03228	0.0000406
5475004175040	547500	4175040	8.250949	8.250949	5.605275	5.605275	FALSE	7.70388996	8.250949	FALSE	753.24	280	0.03228	0.0000406
5475204175040	547520	4175040	8.242427	8.242427	5.255772	5.255772	FALSE	7.22353304	8.242427	FALSE	734.31	280	0.03228	0.0000406

5475404175040	547540	4175040	8.241046	8.241046	5.206464	5.206464	FALSE	7.15576412	8.241046	FALSE	715.43	280	0.03228	0.0000406
5475604175040	547560	4175040	8.243284	8.243284	5.280824	5.280824	FALSE	7.25796451	8.243284	FALSE	696.62	280	0.03228	0.0000406
5475804175040	547580	4175040	8.240401	8.240401	5.163054	5.163054	FALSE	7.09610142	8.240401	FALSE	677.87	280	0.03228	0.0000406
5476004175040	547600	4175040	8.24298	8.24298	5.247633	5.247633	FALSE	7.2123468	8.24298	FALSE	659.20	280	0.03228	0.0000406
5476204175040	547620	4175040	8.253394	8.253394	5.560298	5.560298	FALSE	7.64207357	8.253394	FALSE	640.61	280	0.03228	0.0000406
5476404175040	547640	4175040	8.261974	8.261974	5.777769	5.777769	FALSE	7.94096571	8.261974	FALSE	622.10	280	0.03228	0.0000406
5476604175040	547660	4175040	8.258019	8.258019	5.728159	5.728159	FALSE	7.87278173	8.258019	FALSE	603.69	280	0.03228	0.0000406
5476804175040	547680	4175040	8.261801	8.261801	5.828473	5.828473	FALSE	8.01065329	8.261801	FALSE	585.39	280	0.03228	0.0000406
5477004175040	547700	4175040	8.2596	8.2596	5.865877	5.865877	FALSE	8.06206135	8.2596	FALSE	567.19	280	0.03228	0.0000406
5477204175040	547720	4175040	8.260295	8.260295	5.953257	5.953257	FALSE	8.18215642	8.260295	FALSE	549.13	280	0.03228	0.0000406
5477404175040	547740	4175040	8.262786	8.262786	6.078785	6.078785	FALSE	8.3546821	8.262786	FALSE	531.20	280	0.03228	0.0000406
5477604175040	547760	4175040	8.261729	8.261729	6.070193	6.070193	FALSE	8.34287326	8.261729	FALSE	513.43	280	0.03228	0.0000406
5477804175040	547780	4175040	8.263107	8.263107	6.148862	6.148862	FALSE	8.45099593	8.263107	FALSE	495.82	280	0.03228	0.0000406
5478004175040	547800	4175040	8.266903	8.266903	6.298523	6.298523	FALSE	8.65669001	8.266903	FALSE	478.41	280	0.03228	0.0000406
5478204175040	547820	4175040	8.275174	8.275174	6.58295	6.58295	FALSE	9.04760648	8.275174	FALSE	461.20	280	0.03228	0.0000406
5478404175040	547840	4175040	8.28671	8.28671	6.925113	6.925113	FALSE	9.51787531	8.28671	FALSE	444.23	280	0.03228	0.0000406
5478604175040	547860	4175040	8.290002	8.290002	7.015803	7.015803	FALSE	9.64251964	8.290002	FALSE	427.52	280	0.03228	0.0000406
5478804175040	547880	4175040	8.290868	8.290868	6.98636	6.98636	FALSE	9.60205318	8.290868	FALSE	411.11	280	0.03228	0.0000406
5479004175040	547900	4175040	8.301168	8.301168	7.162424	7.162424	FALSE	9.84403555	8.301168	FALSE	395.02	280	0.03228	0.0000406
5479204175040	547920	4175040	8.328929	8.328929	7.720412	7.720412	FALSE	10.6109343	8.328929	FALSE	379.31	280	0.03228	0.0000406
5479404175040	547940	4175040	8.341184	8.341184	8.032547	8.032547	FALSE	11.0399326	8.341184	FALSE	364.02	280	0.03228	0.0000406
5479604175040	547960	4175040	8.311561	8.311561	7.507451	7.507451	FALSE	10.3182407	8.311561	FALSE	349.20	280	0.03228	0.0000406
5479804175040	547980	4175040	8.298917	8.298917	7.295796	7.295796	FALSE	10.027342	8.298917	FALSE	334.93	280	0.03228	0.0000406
5480004175040	548000	4175040	8.287596	8.287596	7.045483	7.045483	FALSE	9.68331184	8.287596	FALSE	321.26	280	0.03228	0.0000406
5480204175040	548020	4175040	8.279793	8.279793	6.866946	6.866946	FALSE	9.43793058	8.279793	FALSE	308.29	280	0.03228	0.0000406
5480404175040	548040	4175040	8.272718	8.272718	6.692761	6.692761	FALSE	9.19853072	8.272718	FALSE	296.10	280	0.03228	0.0000406
5480604175040	548060	4175040	8.273041	8.273041	6.756022	6.756022	FALSE	9.28547664	8.273041	FALSE	284.80	280	0.03228	0.0000406
5480804175040	548080	4175040	8.277339	8.277339	6.962835	6.962835	FALSE	9.56972042	8.277339	FALSE	274.48	260	0.04035	0.00005075
5481004175040	548100	4175040	8.285207	8.285207	7.293887	7.293887	FALSE	10.0247183	8.285207	FALSE	265.28	260	0.04035	0.00005075
5481204175040	548120	4175040	8.293307	8.293307	7.634847	7.634847	FALSE	10.4933337	8.293307	FALSE	257.31	240	0.04842	0.0000609
5481404175040	548140	4175040	8.299696	8.299696	7.896854	7.896854	FALSE	10.8534361	8.299696	FALSE	250.68	240	0.04842	0.0000609
5481604175040	548160	4175040	8.304339	8.304339	8.062612	8.062612	FALSE	11.0812539	8.304339	FALSE	245.51	240	0.04842	0.0000609
5481804175040	548180	4175040	8.297003	8.297003	7.992841	7.992841	FALSE	10.9853607	8.297003	FALSE	241.88	240	0.04842	0.0000609
5482004175040	548200	4175040	8.288723	8.288723	7.790603	7.790603	FALSE	10.7074048	8.288723	FALSE	239.88	220	0.05649	0.00007105
5482204175040	548220	4175040	8.278351	8.278351	7.476905	7.476905	FALSE	10.2762582	8.278351	FALSE	239.53	220	0.05649	0.00007105
5482404175040	548240	4175040	8.288407	8.288407	7.848571	7.848571	FALSE	10.787076	8.288407	FALSE	240.85	240	0.04842	0.0000609
5482604175040	548260	4175040	8.29921	8.29921	8.093743	8.093743	FALSE	11.1240404	8.29921	FALSE	243.81	240	0.04842	0.0000609
5482804175040	548280	4175040	8.304742	8.304742	8.085386	8.085386	FALSE	11.1125545	8.304742	FALSE	248.34	240	0.04842	0.0000609
5483004175040	548300	4175040	8.347861	8.347861	9.093451	9.093451	FALSE	12.4980391	8.347861	FALSE	254.38	240	0.04842	0.0000609
5483204175040	548320	4175040	8.338226	8.338226	9.078149	9.078149	FALSE	12.477008	8.338226	FALSE	261.80	260	0.04035	0.00005075
5483404175040	548340	4175040	8.336551	8.336551	9.208485	9.208485	FALSE	12.6561418	8.336551	FALSE	270.51	260	0.04035	0.00005075
5483604175040	548360	4175040	8.359752	8.359752	10.13558	10.13558	FALSE	13.9303439	8.359752	FALSE	280.37	280	0.03228	0.0000406
5483804175040	548380	4175040	8.389635	8.389635	11.10286	11.10286	FALSE	15.259768	8.389635	FALSE	291.27	280	0.03228	0.0000406
5484004175040	548400	4175040	8.432673	8.432673	12.25482	12.25482	FALSE	16.8430177	8.432673	FALSE	303.11	280	0.03228	0.0000406
5484204175040	548420	4175040	8.471438	8.471438	13.4311	13.4311	FALSE	18.459697	8.471438	FALSE	315.76	280	0.03228	0.0000406
5484404175040	548440	4175040	8.52003	8.52003	14.88692	14.88692	FALSE	20.4605828	8.52003	FALSE	329.15	280	0.03228	0.0000406
5484604175040	548460	4175040	8.552883	8.552883	16.1876	16.1876	FALSE	22.2482374	8.552883	FALSE	343.18	280	0.03228	0.0000406
5484804175040	548480	4175040	8.604659	8.604659	17.8795	17.8795	TRUE	24.5735834	8.604659	TRUE	357.78	280	0.03228	0.0000406
5485004175040	548500	4175040	8.686559	8.686559	20.19539	20.19539	FALSE	27.7565371	8.686559	FALSE	372.88	280	0.03228	0.0000406
5485204175040	548520	4175040	8.719332	8.719332	21.33514	21.33514	TRUE	29.3230192	8.719332	TRUE	388.42	280	0.03228	0.0000406
5485404175040	548540	4175040	8.746762	8.746762	22.95486	22.95486	TRUE	31.5491651	8.746762	TRUE	404.36	280	0.03228	0.0000406
5485604175040	548560	4175040	8.871031	8.871031	27.58123	27.58123	TRUE	37.9076384	8.871031	TRUE	420.64	280	0.03228	0.0000406
5485804175040	548580	4175040	9.163395	9.163395	37.94571	37.94571	TRUE	52.1525783	9.163395	TRUE	437.23	280	0.03228	0.0000406
5486004175040	548600	4175040	9.713034	9.713034	57.08127	57.08127	FALSE	78.4525016	9.713034	FALSE	454.10	280	0.03228	0.0000406
5486204175040	548620	4175040	10.23635	10.23635	72.2795	72.2795	FALSE	99.3409489	10.236353	FALSE	471.21	280	0.03228	0.0000406
5486404175040	548640	4175040	10.22582	10.22582	70.91784	70.91784	FALSE	97.4694738	10.225822	FALSE	488.54	280	0.03228	0.0000406
5486604175040	548660	4175040	10.21925	10.21925	74.72888	74.72888	FALSE	102.707374	10.219249	FALSE	506.07	280	0.03228	0.0000406
5486804175040	548680	4175040	9.981808	9.981808	66.49111	66.49111	TRUE	91.385383	9.981808	TRUE	523.78	280	0.03228	0.0000406
5487004175040	548700	4175040	9.686428	9.686428	56.6406	56.6406	TRUE	77.8468406	9.686428	TRUE	541.64	280	0.03228	0.0000406
5487204175040	548720	4175040	9.47788	9.47788	49.95735	49.95735	TRUE	68.6613763	9.47788	TRUE	559.65	280	0.03228	0.0000406
5487404175040	548740	4175040	9.334804	9.334804	45.58916	45.58916	TRUE	62.6577415	9.334804	TRUE	577.79	280	0.03228	0.0000406
5487604175040	548760	4175040	9.233758	9.233758	42.74276	42.74276	TRUE	58.7456438	9.233758	TRUE	596.05	280	0.03228	0.0000406
5487804175040	548780	4175040	9.194326	9.194326	42.37511	42.37511	TRUE	58.2403526	9.194326	TRUE	614.42	280	0.03228	0.0000406
5488004175040	548800	4175040	9.235772	9.235772	45.55356	45.55356	FALSE	62.6088074	9.235772	FALSE	632.88	280	0.03228	0.0000406
5488204175040	548820	4175040	9.201878	9.201878	45.03155	45.03155	FALSE	61.8913596	9.201878	FALSE	651.44	280	0.03228	0.0000406
5488404175040	548840	4175040	9.055474	9.055474	39.01791	39.01791	FALSE	53.6262155	9.055474	FALSE	670.08	280	0.03228	0.0000406
5488604175040	548860	4175040	8.949148	8.949148	35.12319	35.12319	FALSE	48.2733137	8.949148	FALSE	688.80	280	0.03228	0.0000406
5488804175040	548880	4175040	8.891629	8.891629	33.89294	33.89294	FALSE	46.5824595	8.891629	FALSE	707.58	280	0.03228	0.0000406
5489004175040	548900	4175040	8.815166	8.815166	30.09513	30.09513	FALSE	41.3627412	8.815166	FALSE	726.43	280	0.03228	0.0000406
5489204175040	548920	4175040	8.785714	8.785714	29.79881	29.79881	FALSE	40.955479	8.785714	FALSE	745.35	280	0.03228	0.0000406
5489404175040	548940	4175040	8.739757	8.739757	27.91561	27.91561	FALSE	38.3672199	8.739757	FALSE	764.31	280	0.03228	0.0000406
5489604175040	548960	4175040	8.694372	8.694372	25.68727	25.68727	FALSE	35.3045866	8.694372	FALSE	783.33	280	0.03228	0.0000406
5489804175040	548980	4175040	8.65515	8.65515	23.73483	23.73483	FALSE	32.6211435	8.65515	FALSE	802.40	280	0.03228	0.0000406
5490004175040	549000	4175040	8.625857	8.625857	22.41291	22.41291	FALSE	30.8043049	8.625857	FALSE	821.51	280	0.03228	0.0000406
5490204175040	549020	4175040	8.599861	8.599861	21.34515	21.34515	FALSE	29.3367797	8.599861	FALSE	840.66	280	0.03228	0.0000406
5490404175040	549040	4175040	8.57909	8.57909	20.558	20.558	FALSE	28.2549083	8.57909	FALSE	859.85	280	0.03228	0.0000406
5490604175040	549060	4175040	8.560281	8.560281	19.87296	19.87296	FALSE	27.3133948	8.560281	FALSE	879.07	280	0.03228	0.0000406
5490804175040	549080	4175040	8.548639	8.548639	19.45951	19.45951	FALSE	26.7451505	8.548639	FALSE	898.34	280	0.03228	0.0000406
5470004175060	547000	4175060	8.33403	8.33403	7.767481	7.767481	FALSE	10.6756259	8.33403	FALSE	1233.84	280	0.03228	0.0000406
5470204175060	547020	4175060	8.344672	8.344672	8.057393	8.057393	FALSE	11.0740809	8.344672	FALSE	1214.17	280	0.03228	0.0000406
5470404175060	547040	4175060	8.343139	8.343139	8.043587	8.043587	FALSE	11.055106	8.343139	FALSE	1194.50	280	0.03228	0.0000406
5470604175060	547060	4175060	8.345929	8.345929	8.081986	8.081986	FALSE	11.1078816	8.345929	FALSE	1174.85	280	0.03228	0.0000406
5470804175060	547080	4175060	8.352048	8.352048	8.184126	8.184126	FALSE	11.2482628	8.352048	FALSE	1155.21	280	0.03228	0.0000406
5471004175060	547100	4175060	8.36225	8.36225	8.345375	8.345375	FALSE	11.4698834	8.36225	FALSE	1135.58	280	0.03228	0.0000406
5471204175060	547120	4175060	8.374796	8.374796	8.606239	8.606239	FALSE	11.8284149	8.374796	FALSE	1115.96	280	0.03228	0.0000406
5471404175060	547140	4175060	8.345659	8.345659	8.00613	8.00613	FALSE	11.0036251	8.345659	FALSE	1096.36	280	0.03228	0.0000406
5471604175060	547160	4175060	8.332086	8.332086	7.665956	7.665956	FALSE	10.5360899	8.332086	FALSE	1076.77	280	0.03228	0.0000406
5471804175060	547180	4175060	8.331892	8.331892	7.63154	7.63154	FALSE	10.4887886	8.331892	FALSE	1057.20	280	0.03228	0.0000406
5472004175060	547200	4175060	8.314596	8.314596	7.185184	7.185184	FALSE	9.87531689	8.314596	FALSE	1037.64	280	0.03228	0.0000406
5472204175060	547220	4175060	8.30236	8.30236	6.87417	6.87417	FALSE	9.44785925	8.30236	FALSE	1018.10	280	0.03228	0.0000406
5472404175060	547240	4175060	8.295966	8.295966	6.712768	6.712768	FALSE	9.22602834	8.295966	FALSE	998.58	280	0.03228	0.0000406
5472604175060	547260	4175060	8.296038	8.296038	6.885417	6.885417	FALSE	9.46331712	8.296038	FALSE	979.08	280	0.03228	0.0000406
5472804175060	547280	4175060	8.290551	8.290551	6.718353	6.718353	FALSE	9.23370436	8.290551	FALSE	959.60	280	0.03228	0.0000406
5473004175060	547300	4175060	8.285649	8.285649	6.535897	6.535897	FALSE	8.98293684	8.285649	FALSE	940.14	280	0.03228	0.0000406

5473204175060	547320	4175060	8.279942	8.279942	6.31789	6.31789	FALSE	8.68330802	8.279942	FALSE	920.71	280	0.03228	0.0000406
5473404175060	547340	4175060	8.279192	8.279192	6.310167	6.310167	FALSE	8.67269352	8.279192	FALSE	901.29	280	0.03228	0.0000406
5473604175060	547360	4175060	8.281336	8.281336	6.403751	6.403751	FALSE	8.80131537	8.281336	FALSE	881.91	280	0.03228	0.0000406
5473804175060	547380	4175060	8.291911	8.291911	6.771908	6.771908	FALSE	9.30731036	8.291911	FALSE	862.55	280	0.03228	0.0000406
5474004175060	547400	4175060	8.281323	8.281323	6.527479	6.527479	FALSE	8.97136714	8.281323	FALSE	843.23	280	0.03228	0.0000406
5474204175060	547420	4175060	8.273933	8.273933	6.347231	6.347231	FALSE	8.72363429	8.273933	FALSE	823.93	280	0.03228	0.0000406
5474404175060	547440	4175060	8.270131	8.270131	6.246037	6.246037	FALSE	8.58455325	8.270131	FALSE	804.67	280	0.03228	0.0000406
5474604175060	547460	4175060	8.270888	8.270888	6.263446	6.263446	FALSE	8.60848018	8.270888	FALSE	785.45	280	0.03228	0.0000406
5474804175060	547480	4175060	8.270036	8.270036	6.222612	6.222612	FALSE	8.55235793	8.270036	FALSE	766.27	280	0.03228	0.0000406
5475004175060	547500	4175060	8.263815	8.263815	5.954752	5.954752	FALSE	8.18421115	8.263815	FALSE	747.13	280	0.03228	0.0000406
5475204175060	547520	4175060	8.256828	8.256828	5.65104	5.65104	FALSE	7.76678938	8.256828	FALSE	728.03	280	0.03228	0.0000406
5475404175060	547540	4175060	8.256517	8.256517	5.63185	5.63185	FALSE	7.74041464	8.256517	FALSE	708.99	280	0.03228	0.0000406
5475604175060	547560	4175060	8.258784	8.258784	5.707515	5.707515	FALSE	7.84440862	8.258784	FALSE	690.00	280	0.03228	0.0000406
5475804175060	547580	4175060	8.255738	8.255738	5.585485	5.585485	FALSE	7.67669058	8.255738	FALSE	671.07	280	0.03228	0.0000406
5476004175060	547600	4175060	8.258322	8.258322	5.672405	5.672405	FALSE	7.79615343	8.258322	FALSE	652.20	280	0.03228	0.0000406
5476204175060	547620	4175060	8.269243	8.269243	6.003392	6.003392	FALSE	8.25106196	8.269243	FALSE	633.40	280	0.03228	0.0000406
5476404175060	547640	4175060	8.276361	8.276361	6.172649	6.172649	FALSE	8.48368879	8.276361	FALSE	614.68	280	0.03228	0.0000406
5476604175060	547660	4175060	8.271827	8.271827	6.116726	6.116726	FALSE	8.40682821	8.271827	FALSE	596.04	280	0.03228	0.0000406
5476804175060	547680	4175060	8.27932	8.27932	6.321686	6.321686	FALSE	8.68852524	8.27932	FALSE	577.49	280	0.03228	0.0000406
5477004175060	547700	4175060	8.276557	8.276557	6.354602	6.354602	FALSE	8.73376499	8.276557	FALSE	559.04	280	0.03228	0.0000406
5477204175060	547720	4175060	8.276012	8.276012	6.409544	6.409544	FALSE	8.80927727	8.276012	FALSE	540.71	280	0.03228	0.0000406
5477404175060	547740	4175060	8.276098	8.276098	6.46271	6.46271	FALSE	8.88234862	8.276098	FALSE	522.49	280	0.03228	0.0000406
5477604175060	547760	4175060	8.274796	8.274796	6.453841	6.453841	FALSE	8.87015907	8.274796	FALSE	504.41	280	0.03228	0.0000406
5477804175060	547780	4175060	8.276381	8.276381	6.541546	6.541546	FALSE	8.99070082	8.276381	FALSE	486.48	280	0.03228	0.0000406
5478004175060	547800	4175060	8.280146	8.280146	6.697371	6.697371	FALSE	9.2048667	8.280146	FALSE	468.72	280	0.03228	0.0000406
5478204175060	547820	4175060	8.288507	8.288507	6.994638	6.994638	FALSE	9.61343047	8.288507	FALSE	451.14	280	0.03228	0.0000406
5478404175060	547840	4175060	8.300435	8.300435	7.355436	7.355436	FALSE	10.1093112	8.300435	FALSE	433.78	280	0.03228	0.0000406
5478604175060	547860	4175060	8.30381	8.30381	7.451667	7.451667	FALSE	10.2415711	8.30381	FALSE	416.65	280	0.03228	0.0000406
5478804175060	547880	4175060	8.305113	8.305113	7.435808	7.435808	FALSE	10.2197745	8.305113	FALSE	399.79	280	0.03228	0.0000406
5479004175060	547900	4175060	8.313783	8.313783	7.564417	7.564417	FALSE	10.3965347	8.313783	FALSE	383.23	280	0.03228	0.0000406
5479204175060	547920	4175060	8.344149	8.344149	8.131245	8.131245	FALSE	11.1755831	8.344149	FALSE	367.01	280	0.03228	0.0000406
5479404175060	547940	4175060	8.370602	8.370602	8.787031	8.787031	FALSE	12.0768954	8.370602	FALSE	351.18	280	0.03228	0.0000406
5479604175060	547960	4175060	8.328264	8.328264	8.048226	8.048226	FALSE	11.0614818	8.328264	FALSE	335.80	280	0.03228	0.0000406
5479804175060	547980	4175060	8.316076	8.316076	7.858812	7.858812	FALSE	10.8011512	8.316076	FALSE	320.93	280	0.03228	0.0000406
5480004175060	548000	4175060	8.304923	8.304923	7.623717	7.623717	FALSE	10.4780366	8.304923	FALSE	306.64	280	0.03228	0.0000406
5480204175060	548020	4175060	8.296761	8.296761	7.442891	7.442891	FALSE	10.2295094	8.296761	FALSE	293.02	280	0.03228	0.0000406
5480404175060	548040	4175060	8.291255	8.291255	7.393742	7.393742	FALSE	10.161959	8.291255	FALSE	280.17	280	0.03228	0.0000406
5480604175060	548060	4175060	8.291716	8.291716	7.473846	7.473846	FALSE	10.2720539	8.291716	FALSE	268.20	260	0.04035	0.00005075
5480804175060	548080	4175060	8.296543	8.296543	7.708859	7.708859	FALSE	10.5950558	8.296543	FALSE	257.22	240	0.04842	0.0000609
5481004175060	548100	4175060	8.303145	8.303145	7.960112	7.960112	FALSE	10.9403779	8.303145	FALSE	247.38	240	0.04842	0.0000609
5481204175060	548120	4175060	8.321623	8.321623	8.705171	8.705171	FALSE	11.964387	8.321623	FALSE	238.81	220	0.05649	0.00007105
5481404175060	548140	4175060	8.335805	8.335805	9.276957	9.276957	FALSE	12.7502497	8.335805	FALSE	231.65	220	0.05649	0.00007105
5481604175060	548160	4175060	8.346208	8.346208	9.666946	9.666946	FALSE	13.2862506	8.346208	FALSE	226.05	220	0.05649	0.00007105
5481804175060	548180	4175060	8.34019	8.34019	9.675673	9.675673	FALSE	13.298245	8.34019	FALSE	222.10	220	0.05649	0.00007105
5482004175060	548200	4175060	8.330993	8.330993	9.47412	9.47412	FALSE	13.0212305	8.330993	FALSE	219.92	200	0.06456	0.0000812
5482204175060	548220	4175060	8.318808	8.318808	9.112831	9.112831	FALSE	12.5246749	8.318808	FALSE	219.54	200	0.06456	0.0000812
5482404175060	548240	4175060	8.318044	8.318044	9.097124	9.097124	FALSE	12.5030872	8.318044	FALSE	220.97	220	0.05649	0.00007105
5482604175060	548260	4175060	8.327215	8.327215	9.321204	9.321204	FALSE	12.8110628	8.327215	FALSE	224.19	220	0.05649	0.00007105
5482804175060	548280	4175060	8.334017	8.334017	9.547562	9.547562	FALSE	13.1221692	8.334017	FALSE	229.12	220	0.05649	0.00007105
5483004175060	548300	4175060	8.353045	8.353045	10.01577	10.01577	FALSE	13.7656743	8.353045	FALSE	235.65	220	0.05649	0.00007105
5483204175060	548320	4175060	8.348427	8.348427	10.01789	10.01789	FALSE	13.7685866	8.348427	FALSE	243.64	240	0.04842	0.0000609
5483404175060	548340	4175060	8.349301	8.349301	10.10476	10.10476	FALSE	13.8879835	8.349301	FALSE	252.97	240	0.04842	0.0000609
5483604175060	548360	4175060	8.376259	8.376259	11.06542	11.06542	FALSE	15.2083091	8.376259	FALSE	263.49	260	0.04035	0.00005075
5483804175060	548380	4175060	8.408114	8.408114	12.06977	12.06977	FALSE	16.5886905	8.408114	FALSE	275.07	260	0.04035	0.00005075
5484004175060	548400	4175060	8.445611	8.445611	13.0978	13.0978	FALSE	18.0016191	8.445611	FALSE	287.57	280	0.03228	0.0000406
5484204175060	548420	4175060	8.503571	8.503571	14.54753	14.54753	FALSE	19.9941239	8.503571	FALSE	300.88	280	0.03228	0.0000406
5484404175060	548440	4175060	8.538392	8.538392	15.71032	15.71032	FALSE	21.5922597	8.538392	FALSE	314.90	280	0.03228	0.0000406
5484604175060	548460	4175060	8.575191	8.575191	17.16822	17.16822	FALSE	23.5960016	8.575191	FALSE	329.54	280	0.03228	0.0000406
5484804175060	548480	4175060	8.626078	8.626078	18.96941	18.96941	TRUE	26.0715516	8.626078	TRUE	344.72	280	0.03228	0.0000406
5485004175060	548500	4175060	8.702489	8.702489	21.42936	21.42936	TRUE	29.4525165	8.702489	TRUE	360.36	280	0.03228	0.0000406
5485204175060	548520	4175060	8.759229	8.759229	23.55128	23.55128	FALSE	32.3688724	8.759229	FALSE	376.42	280	0.03228	0.0000406
5485404175060	548540	4175060	8.882845	8.882845	27.89952	27.89952	TRUE	38.345103	8.882845	TRUE	392.85	280	0.03228	0.0000406
5485604175060	548560	4175060	9.058401	9.058401	34.53354	34.53354	FALSE	47.4628946	9.058401	FALSE	409.59	280	0.03228	0.0000406
5485804175060	548580	4175060	9.30497	9.30497	44.61181	44.61181	FALSE	61.314473	9.30497	FALSE	426.61	280	0.03228	0.0000406
5486004175060	548600	4175060	9.654989	9.654989	54.2972	54.2972	FALSE	74.6260717	9.654989	FALSE	443.88	280	0.03228	0.0000406
5486204175060	548620	4175060	10.40735	10.40735	76.42985	76.42985	FALSE	105.045183	10.407353	FALSE	461.37	280	0.03228	0.0000406
5486404175060	548640	4175060	11.12724	11.12724	93.89696	93.89696	FALSE	129.051979	11.127242	FALSE	479.06	280	0.03228	0.0000406
5486604175060	548660	4175060	10.70437	10.70437	80.99749	80.99749	FALSE	111.322946	10.704367	FALSE	496.92	280	0.03228	0.0000406
5486804175060	548680	4175060	9.801307	9.801307	57.28433	57.28433	TRUE	78.7315845	9.801307	TRUE	514.94	280	0.03228	0.0000406
5487004175060	548700	4175060	9.501	9.501	48.60327	48.60327	TRUE	66.8003398	9.501	TRUE	533.10	280	0.03228	0.0000406
5487204175060	548720	4175060	9.357192	9.357192	44.57971	44.57971	TRUE	61.2703466	9.357192	TRUE	551.39	280	0.03228	0.0000406
5487404175060	548740	4175060	9.242112	9.242112	41.44283	41.44283	TRUE	56.959031	9.242112	TRUE	569.79	280	0.03228	0.0000406
5487604175060	548760	4175060	9.155983	9.155983	39.2141	39.2141	TRUE	53.8958549	9.155983	TRUE	588.30	280	0.03228	0.0000406
5487804175060	548780	4175060	9.11028	9.11028	38.46938	38.46938	TRUE	52.8723117	9.11028	TRUE	606.90	280	0.03228	0.0000406
5488004175060	548800	4175060	9.122579	9.122579	40.37662	40.37662	TRUE	55.4936307	9.122579	TRUE	625.59	280	0.03228	0.0000406
5488204175060	548820	4175060	8.990346	8.990346	35.09377	35.09377	FALSE	48.2328706	8.990346	FALSE	644.36	280	0.03228	0.0000406
5488404175060	548840	4175060	9.220979	9.220979	47.34196	47.34196	FALSE	65.0667898	9.220979	FALSE	663.20	280	0.03228	0.0000406
5488604175060	548860	4175060	8.976102	8.976102	36.47543	36.47543	FALSE	50.1318269	8.976102	FALSE	682.10	280	0.03228	0.0000406
5488804175060	548880	4175060	8.94678	8.94678	38.09648	38.09648	FALSE	52.3597952	8.94678	FALSE	701.07	280	0.03228	0.0000406
5489004175060	548900	4175060	8.835931	8.835931	31.74445	31.74445	FALSE	43.6295707	8.835931	FALSE	720.09	280	0.03228	0.0000406
5489204175060	548920	4175060	8.770821	8.770821	28.50344	28.50344	FALSE	39.1751211	8.770821	FALSE	739.16	280	0.03228	0.0000406
5489404175060	548940	4175060	8.722184	8.722184	26.36843	26.36843	FALSE	36.2407702	8.722184	FALSE	758.28	280	0.03228	0.0000406
5489604175060	548960	4175060	8.68551	8.68551	24.85691	24.85691	FALSE	34.1633371	8.68551	FALSE	777.45	280	0.03228	0.0000406
5489804175060	548980	4175060	8.654364	8.654364	23.56409	23.56409	FALSE	32.3864812	8.654364	FALSE	796.66	280	0.03228	0.0000406
5490004175060	549000	4175060	8.62819	8.62819	22.49884	22.49884	FALSE	30.9224112	8.62819	FALSE	815.90	280	0.03228	0.0000406
5490204175060	549020	4175060	8.603317	8.603317	21.50574	21.50574	FALSE	29.5574822	8.603317	FALSE	835.18	280	0.03228	0.0000406
5490404175060	549040	4175060	8.583256	8.583256	20.74704	20.74704	FALSE	28.5147345	8.583256	FALSE	854.49	280	0.03228	0.0000406
5490604175060	549060	4175060	8.565528	8.565528	20.09297	20.09297	FALSE	27.6157835	8.565528	FALSE	873.84	280	0.03228	0.0000406
5490804175060	549080	4175060	8.553031	8.553031	19.64643	19.64643	FALSE	27.0020548	8.553031	FALSE	893.21	280	0.03228	0.0000406
5491004175060	549100	4175060	8.53965	8.53965	19.19021	19.19021	FALSE	26.3750287	8.53965	FALSE	912.61	280	0.03228	0.0000406
5470004175080	547000	4175080	8.315966	8.315966	7.35504	7.35504	FALSE	10.108767	8.315966	FALSE	1230.44	280	0.03228	0.0000406
5470204175080	547020	4175080	8.321618	8.321618	7.493245	7.493245	FALSE	10.2987159	8.321618	FALSE	1210.71	280	0.03228	0.0000406
5470404175080	547040	4175080	8.326712	8.326712	7.653121	7.653121	FALSE	10.5184495	8.326712	FALSE	1190.99	280	0.03228	0.0000406
5470604175080	547060	4175080	8.333342	8.333342	7.788347	7.788347	FALSE	10.7043041	8.333342	FALSE	1171.28	280	0.03228	0.0000406

5470804175080	547080	4175080	8.345585	8.345585	8.019237	8.019237	FALSE	11.0216393	8.345585	FALSE	1151.57	280	0.03228	0.0000406
5471004175080	547100	4175080	8.387463	8.387463	8.827862	8.827862	FALSE	12.1330135	8.387463	FALSE	1131.88	280	0.03228	0.0000406
5471204175080	547120	4175080	8.364273	8.364273	8.397239	8.397239	FALSE	11.5411653	8.364273	FALSE	1112.20	280	0.03228	0.0000406
5471404175080	547140	4175080	8.345259	8.345259	8.001399	8.001399	FALSE	10.9971228	8.345259	FALSE	1092.53	280	0.03228	0.0000406
5471604175080	547160	4175080	8.337289	8.337289	7.811443	7.811443	FALSE	10.7360473	8.337289	FALSE	1072.87	280	0.03228	0.0000406
5471804175080	547180	4175080	8.347813	8.347813	8.060654	8.060654	FALSE	11.0785629	8.347813	FALSE	1053.23	280	0.03228	0.0000406
5472004175080	547200	4175080	8.35169	8.35169	8.172734	8.172734	FALSE	11.2326056	8.35169	FALSE	1033.60	280	0.03228	0.0000406
5472204175080	547220	4175080	8.32294	8.32294	7.48561	7.48561	FALSE	10.2882224	8.32294	FALSE	1013.98	280	0.03228	0.0000406
5472404175080	547240	4175080	8.314041	8.314041	7.258318	7.258318	FALSE	9.97583226	8.314041	FALSE	994.38	280	0.03228	0.0000406
5472604175080	547260	4175080	8.312054	8.312054	7.350966	7.350966	FALSE	10.1031677	8.312054	FALSE	974.79	280	0.03228	0.0000406
5472804175080	547280	4175080	8.308136	8.308136	7.226715	7.226715	FALSE	9.9323971	8.308136	FALSE	955.22	280	0.03228	0.0000406
5473004175080	547300	4175080	8.304475	8.304475	7.063057	7.063057	FALSE	9.70746554	8.304475	FALSE	935.67	280	0.03228	0.0000406
5473204175080	547320	4175080	8.299752	8.299752	6.85489	6.85489	FALSE	9.42136082	8.299752	FALSE	916.14	280	0.03228	0.0000406
5473404175080	547340	4175080	8.302015	8.302015	6.918444	6.918444	FALSE	9.50870943	8.302015	FALSE	896.63	280	0.03228	0.0000406
5473604175080	547360	4175080	8.307579	8.307579	7.085046	7.085046	FALSE	9.73768722	8.307579	FALSE	877.15	280	0.03228	0.0000406
5473804175080	547380	4175080	8.337494	8.337494	7.895278	7.895278	FALSE	10.8512701	8.337494	FALSE	857.68	280	0.03228	0.0000406
5474004175080	547400	4175080	8.332973	8.332973	7.830548	7.830548	FALSE	10.7623052	8.332973	FALSE	838.24	280	0.03228	0.0000406
5474204175080	547420	4175080	8.30936	8.30936	7.307405	7.307405	FALSE	10.0432974	8.30936	FALSE	818.83	280	0.03228	0.0000406
5474404175080	547440	4175080	8.304578	8.304578	7.194041	7.194041	FALSE	9.88748995	8.304578	FALSE	799.45	280	0.03228	0.0000406
5474604175080	547460	4175080	8.304144	8.304144	7.152977	7.152977	FALSE	9.83105159	8.304144	FALSE	780.10	280	0.03228	0.0000406
5474804175080	547480	4175080	8.303697	8.303697	7.066036	7.066036	FALSE	9.71155988	8.303697	FALSE	760.78	280	0.03228	0.0000406
5475004175080	547500	4175080	8.295886	8.295886	6.70891	6.70891	FALSE	9.2207259	8.295886	FALSE	741.50	280	0.03228	0.0000406
5475204175080	547520	4175080	8.289798	8.289798	6.428755	6.428755	FALSE	8.83568087	8.289798	FALSE	722.26	280	0.03228	0.0000406
5475404175080	547540	4175080	8.288889	8.288889	6.399746	6.399746	FALSE	8.7958109	8.288889	FALSE	703.05	280	0.03228	0.0000406
5475604175080	547560	4175080	8.291193	8.291193	6.476398	6.476398	FALSE	8.90116141	8.291193	FALSE	683.90	280	0.03228	0.0000406
5475804175080	547580	4175080	8.290267	8.290267	6.411569	6.411569	FALSE	8.81206043	8.290267	FALSE	664.80	280	0.03228	0.0000406
5476004175080	547600	4175080	8.29387	8.29387	6.526865	6.526865	FALSE	8.97052326	8.29387	FALSE	645.74	280	0.03228	0.0000406
5476204175080	547620	4175080	8.305394	8.305394	6.877598	6.877598	FALSE	9.45257069	8.305394	FALSE	626.75	280	0.03228	0.0000406
5476404175080	547640	4175080	8.311852	8.311852	7.035928	7.035928	FALSE	9.67017944	8.311852	FALSE	607.83	280	0.03228	0.0000406
5476604175080	547660	4175080	8.307268	8.307268	6.993458	6.993458	FALSE	9.61180868	8.307268	FALSE	588.97	280	0.03228	0.0000406
5476804175080	547680	4175080	8.316325	8.316325	7.261994	7.261994	FALSE	9.98088455	8.316325	FALSE	570.19	280	0.03228	0.0000406
5477004175080	547700	4175080	8.311402	8.311402	7.256028	7.256028	FALSE	9.97268488	8.311402	FALSE	551.50	280	0.03228	0.0000406
5477204175080	547720	4175080	8.308571	8.308571	7.255574	7.255574	FALSE	9.97206091	8.308571	FALSE	532.90	280	0.03228	0.0000406
5477404175080	547740	4175080	8.307446	8.307446	7.262113	7.262113	FALSE	9.98104811	8.307446	FALSE	514.41	280	0.03228	0.0000406
5477604175080	547760	4175080	8.306376	8.306376	7.264046	7.264046	FALSE	9.98370482	8.306376	FALSE	496.04	280	0.03228	0.0000406
5477804175080	547780	4175080	8.307675	8.307675	7.353792	7.353792	FALSE	10.1070517	8.307675	FALSE	477.79	280	0.03228	0.0000406
5478004175080	547800	4175080	8.311227	8.311227	7.513985	7.513985	FALSE	10.327221	8.311227	FALSE	459.69	280	0.03228	0.0000406
5478204175080	547820	4175080	8.319594	8.319594	7.816402	7.816402	FALSE	10.7428629	8.319594	FALSE	441.76	280	0.03228	0.0000406
5478404175080	547840	4175080	8.331494	8.331494	8.186973	8.186973	FALSE	11.2521757	8.331494	FALSE	424.01	280	0.03228	0.0000406
5478604175080	547860	4175080	8.334387	8.334387	8.289478	8.289478	FALSE	11.3930586	8.334387	FALSE	406.47	280	0.03228	0.0000406
5478804175080	547880	4175080	8.336307	8.336307	8.313104	8.313104	FALSE	11.4255301	8.336307	FALSE	389.17	280	0.03228	0.0000406
5479004175080	547900	4175080	8.344667	8.344667	8.439041	8.439041	FALSE	11.598618	8.344667	FALSE	372.14	280	0.03228	0.0000406
5479204175080	547920	4175080	8.382184	8.382184	9.108459	9.108459	FALSE	12.518666	8.382184	FALSE	355.41	280	0.03228	0.0000406
5479404175080	547940	4175080	8.404608	8.404608	9.697782	9.697782	FALSE	13.3286316	8.404608	FALSE	339.05	280	0.03228	0.0000406
5479604175080	547960	4175080	8.359093	8.359093	8.914906	8.914906	FALSE	12.2526468	8.359093	FALSE	323.09	280	0.03228	0.0000406
5479804175080	547980	4175080	8.349236	8.349236	8.794145	8.794145	FALSE	12.0866729	8.349236	FALSE	307.60	280	0.03228	0.0000406
5480004175080	548000	4175080	8.340626	8.340626	8.651059	8.651059	FALSE	11.8900155	8.340626	FALSE	292.66	280	0.03228	0.0000406
5480204175080	548020	4175080	8.331522	8.331522	8.488619	8.488619	FALSE	11.666758	8.331522	FALSE	278.36	260	0.04035	0.00005075
5480404175080	548040	4175080	8.321935	8.321935	8.294146	8.294146	FALSE	11.3994743	8.321935	FALSE	264.80	260	0.04035	0.00005075
5480604175080	548060	4175080	8.318871	8.318871	8.283868	8.283868	FALSE	11.3853482	8.318871	FALSE	252.09	240	0.04842	0.0000609
5480804175080	548080	4175080	8.322643	8.322643	8.508055	8.508055	FALSE	11.6934708	8.322643	FALSE	240.38	240	0.04842	0.0000609
5481004175080	548100	4175080	8.331873	8.331873	8.925021	8.925021	FALSE	12.2665489	8.331873	FALSE	229.82	220	0.05649	0.00007105
5481204175080	548120	4175080	8.354618	8.354618	9.855093	9.855093	FALSE	13.5448398	8.354618	FALSE	220.57	220	0.05649	0.00007105
5481404175080	548140	4175080	8.372558	8.372558	10.56812	10.56812	FALSE	14.5248269	8.372558	FALSE	212.80	200	0.06456	0.0000812
5481604175080	548160	4175080	8.38739	8.38739	11.12229	11.12229	FALSE	15.2864699	8.38739	FALSE	206.68	200	0.06456	0.0000812
5481804175080	548180	4175080	8.384237	8.384237	11.25132	11.25132	FALSE	15.4638197	8.384237	FALSE	202.36	200	0.06456	0.0000812
5482004175080	548200	4175080	8.375451	8.375451	11.13657	11.13657	FALSE	15.3060977	8.375451	FALSE	199.96	180	0.07263	0.00009135
5482204175080	548220	4175080	8.362981	8.362981	10.86212	10.86212	FALSE	14.9288909	8.362981	FALSE	199.54	180	0.07263	0.00009135
5482404175080	548240	4175080	8.357541	8.357541	10.73147	10.73147	FALSE	14.7493296	8.357541	FALSE	201.12	200	0.06456	0.0000812
5482604175080	548260	4175080	8.363429	8.363429	10.88644	10.88644	FALSE	14.9623245	8.363429	FALSE	204.66	200	0.06456	0.0000812
5482804175080	548280	4175080	8.369697	8.369697	11.10867	11.10867	FALSE	15.2677588	8.369697	FALSE	210.04	200	0.06456	0.0000812
5483004175080	548300	4175080	8.376437	8.376437	11.2369	11.2369	FALSE	15.4440009	8.376437	FALSE	217.14	200	0.06456	0.0000812
5483204175080	548320	4175080	8.370034	8.370034	11.13991	11.13991	FALSE	15.3106923	8.370034	FALSE	225.80	220	0.05649	0.00007105
5483404175080	548340	4175080	8.370911	8.370911	11.21033	11.21033	FALSE	15.4074762	8.370911	FALSE	235.83	220	0.05649	0.00007105
5483604175080	548360	4175080	8.399833	8.399833	12.21789	12.21789	FALSE	16.7922721	8.399833	FALSE	247.08	240	0.04842	0.0000609
5483804175080	548380	4175080	8.432257	8.432257	13.23393	13.23393	FALSE	18.1887134	8.432257	FALSE	259.39	240	0.04842	0.0000609
5484004175080	548400	4175080	8.468032	8.468032	14.24278	14.24278	FALSE	19.575281	8.468032	FALSE	272.61	260	0.04035	0.00005075
5484204175080	548420	4175080	8.511676	8.511676	15.419	15.419	FALSE	21.1918791	8.511676	FALSE	286.62	280	0.03228	0.0000406
5484404175080	548440	4175080	8.547331	8.547331	16.63504	16.63504	FALSE	22.8631935	8.547331	FALSE	301.30	280	0.03228	0.0000406
5484604175080	548460	4175080	8.625503	8.625503	19.02223	19.02223	TRUE	26.1441515	8.625503	TRUE	316.57	280	0.03228	0.0000406
5484804175080	548480	4175080	8.68183	8.68183	21.24018	21.24018	TRUE	29.192502	8.68183	TRUE	332.34	280	0.03228	0.0000406
5485004175080	548500	4175080	8.778774	8.778774	24.73815	24.73815	TRUE	34.000112	8.778774	TRUE	348.55	280	0.03228	0.0000406
5485204175080	548520	4175080	8.964791	8.964791	31.28337	31.28337	FALSE	42.9958692	8.964791	FALSE	365.13	280	0.03228	0.0000406
5485404175080	548540	4175080	9.130926	9.130926	38.34927	38.34927	FALSE	52.7072408	9.130926	FALSE	382.03	280	0.03228	0.0000406
5485604175080	548560	4175080	9.322084	9.322084	46.86977	46.86977	FALSE	64.4178105	9.322084	FALSE	399.23	280	0.03228	0.0000406
5485804175080	548580	4175080	9.206341	9.206341	41.17862	41.17862	TRUE	56.5959008	9.206341	TRUE	416.67	280	0.03228	0.0000406
5486004175080	548600	4175080	9.429891	9.429891	46.69907	46.69907	TRUE	64.1832004	9.429891	TRUE	434.34	280	0.03228	0.0000406
5486204175080	548620	4175080	10.15594	10.15594	66.99518	66.99518	FALSE	92.0781754	10.155937	FALSE	452.20	280	0.03228	0.0000406
5486404175080	548640	4175080	10.70293	10.70293	80.33181	80.33181	FALSE	110.408045	10.702928	FALSE	470.23	280	0.03228	0.0000406
5486604175080	548660	4175080	10.31533	10.31533	69.019	69.019	FALSE	94.8597095	10.315329	FALSE	488.42	280	0.03228	0.0000406
5486804175080	548680	4175080	9.742093	9.742093	53.75793	53.75793	TRUE	73.8848935	9.742093	TRUE	506.74	280	0.03228	0.0000406
5487004175080	548700	4175080	9.429855	9.429855	45.17574	45.17574	TRUE	62.0895398	9.429855	TRUE	525.18	280	0.03228	0.0000406
5487204175080	548720	4175080	9.300114	9.300114	41.75954	41.75954	TRUE	57.3943104	9.300114	TRUE	543.74	280	0.03228	0.0000406
5487404175080	548740	4175080	9.192692	9.192692	39.00818	39.00818	TRUE	53.6128385	9.192692	TRUE	562.39	280	0.03228	0.0000406
5487604175080	548760	4175080	9.1107	9.1107	36.97873	36.97873	TRUE	50.8235706	9.1107	TRUE	581.13	280	0.03228	0.0000406
5487804175080	548780	4175080	9.058776	9.058776	35.96736	35.96736	TRUE	49.4335437	9.058776	TRUE	599.96	280	0.03228	0.0000406
5488004175080	548800	4175080	9.042303	9.042303	36.39698	36.39698	TRUE	50.0240107	9.042303	TRUE	618.86	280	0.03228	0.0000406
5488204175080	548820	4175080	9.079731	9.079731	39.29127	39.29127	TRUE	54.0019229	9.079731	TRUE	637.82	280	0.03228	0.0000406
5488404175080	548840	4175080	8.995499	8.995499	36.15732	36.15732	FALSE	49.6946151	8.995499	FALSE	656.85	280	0.03228	0.0000406
5488604175080	548860	4175080	9.032555	9.032555	39.01889	39.01889	FALSE	53.6275583	9.032555	FALSE	675.93	280	0.03228	0.0000406
5488804175080	548880	4175080	8.90179	8.90179	33.51667	33.51667	FALSE	46.0653058	8.90179	FALSE	695.07	280	0.03228	0.0000406
5489004175080	548900	4175080	8.820209	8.820209	29.93725	29.93725	FALSE	41.1457523	8.820209	FALSE	714.25	280	0.03228	0.0000406
5489204175080	548920	4175080	8.765624	8.765624	27.70265	27.70265	FALSE	38.0745194	8.765624	FALSE	733.47	280	0.03228	0.0000406
5489404175080	548940	4175080	8.723165	8.723165	26.08956	26.08956	FALSE	35.8574954	8.723165	FALSE	752.74	280	0.03228	0.0000406

5489604175080	548960	4175080	8.68852	8.68852	24.77751	24.77751	FALSE	34.0542029	8.68852	FALSE	772.04	280	0.03228	0.0000406
5489804175080	548980	4175080	8.659734	8.659734	23.6931	23.6931	FALSE	32.5637925	8.659734	FALSE	791.38	280	0.03228	0.0000406
5490004175080	549000	4175080	8.634979	8.634979	22.75721	22.75721	FALSE	31.2775108	8.634979	FALSE	810.75	280	0.03228	0.0000406
5490204175080	549020	4175080	8.611004	8.611004	21.83638	21.83638	FALSE	30.0119193	8.611004	FALSE	830.15	280	0.03228	0.0000406
5490404175080	549040	4175080	8.591336	8.591336	21.08566	21.08566	FALSE	28.9801366	8.591336	FALSE	849.58	280	0.03228	0.0000406
5490604175080	549060	4175080	8.573634	8.573634	20.42127	20.42127	FALSE	28.0669949	8.573634	FALSE	869.03	280	0.03228	0.0000406
5490804175080	549080	4175080	8.560442	8.560442	19.94861	19.94861	FALSE	27.4173668	8.560442	FALSE	888.51	280	0.03228	0.0000406
5491004175080	549100	4175080	8.546447	8.546447	19.46731	19.46731	FALSE	26.755864	8.546447	FALSE	908.01	280	0.03228	0.0000406
5469804175100	546980	4175100	8.279311	8.279311	6.584632	6.584632	FALSE	9.04991822	8.279311	FALSE	1247.15	280	0.03228	0.0000406
5470004175100	547000	4175100	8.277968	8.277968	6.484352	6.484352	FALSE	8.91209339	8.277968	FALSE	1227.36	280	0.03228	0.0000406
5470204175100	547020	4175100	8.27652	8.27652	6.385637	6.385637	FALSE	8.77641949	8.27652	FALSE	1207.58	280	0.03228	0.0000406
5470404175100	547040	4175100	8.28412	8.28412	6.643866	6.643866	FALSE	9.13132943	8.28412	FALSE	1187.80	280	0.03228	0.0000406
5470604175100	547060	4175100	8.289637	8.289637	6.772917	6.772917	FALSE	9.30869712	8.289637	FALSE	1168.04	280	0.03228	0.0000406
5470804175100	547080	4175100	8.299079	8.299079	6.945563	6.945563	FALSE	9.54598179	8.299079	FALSE	1148.28	280	0.03228	0.0000406
5471004175100	547100	4175100	8.334202	8.334202	7.658631	7.658631	FALSE	10.5260224	8.334202	FALSE	1128.53	280	0.03228	0.0000406
5471204175100	547120	4175100	8.322932	8.322932	7.436861	7.436861	FALSE	10.2212218	8.322932	FALSE	1108.79	280	0.03228	0.0000406
5471404175100	547140	4175100	8.296479	8.296479	6.838401	6.838401	FALSE	9.39869833	8.296479	FALSE	1089.06	280	0.03228	0.0000406
5471604175100	547160	4175100	8.290776	8.290776	6.733735	6.733735	FALSE	9.25484538	8.290776	FALSE	1069.33	280	0.03228	0.0000406
5471804175100	547180	4175100	8.302661	8.302661	7.058505	7.058505	FALSE	9.70120927	8.302661	FALSE	1049.62	280	0.03228	0.0000406
5472004175100	547200	4175100	8.300225	8.300225	7.047334	7.047334	FALSE	9.68585585	8.300225	FALSE	1029.92	280	0.03228	0.0000406
5472204175100	547220	4175100	8.297324	8.297324	6.968018	6.968018	FALSE	9.57684394	8.297324	FALSE	1010.24	280	0.03228	0.0000406
5472404175100	547240	4175100	8.287624	8.287624	6.705809	6.705809	FALSE	9.21646389	8.287624	FALSE	990.56	280	0.03228	0.0000406
5472604175100	547260	4175100	8.283186	8.283186	6.709664	6.709664	FALSE	9.2217622	8.283186	FALSE	970.90	280	0.03228	0.0000406
5472804175100	547280	4175100	8.27809	8.27809	6.567693	6.567693	FALSE	9.02663726	8.27809	FALSE	951.25	280	0.03228	0.0000406
5473004175100	547300	4175100	8.273825	8.273825	6.406685	6.406685	FALSE	8.80534786	8.273825	FALSE	931.62	280	0.03228	0.0000406
5473204175100	547320	4175100	8.270481	8.270481	6.253711	6.253711	FALSE	8.5951004	8.270481	FALSE	912.00	280	0.03228	0.0000406
5473404175100	547340	4175100	8.271407	8.271407	6.2874	6.2874	FALSE	8.64140256	8.271407	FALSE	892.40	280	0.03228	0.0000406
5473604175100	547360	4175100	8.273148	8.273148	6.349299	6.349299	FALSE	8.72647655	8.273148	FALSE	872.82	280	0.03228	0.0000406
5473804175100	547380	4175100	8.287268	8.287268	6.756599	6.756599	FALSE	9.28626967	8.287268	FALSE	853.25	280	0.03228	0.0000406
5474004175100	547400	4175100	8.298734	8.298734	7.092139	7.092139	FALSE	9.74743584	8.298734	FALSE	833.71	280	0.03228	0.0000406
5474204175100	547420	4175100	8.301883	8.301883	7.209697	7.209697	FALSE	9.90900756	8.301883	FALSE	814.19	280	0.03228	0.0000406
5474404175100	547440	4175100	8.302982	8.302982	7.255652	7.255652	FALSE	9.97216811	8.302982	FALSE	794.70	280	0.03228	0.0000406
5474604175100	547460	4175100	8.304845	8.304845	7.237649	7.237649	FALSE	9.94742479	8.304845	FALSE	775.23	280	0.03228	0.0000406
5474804175100	547480	4175100	8.299977	8.299977	7.056204	7.056204	FALSE	9.69804678	8.299977	FALSE	755.78	280	0.03228	0.0000406
5475004175100	547500	4175100	8.296624	8.296624	6.757087	6.757087	FALSE	9.28694037	8.296624	FALSE	736.37	280	0.03228	0.0000406
5475204175100	547520	4175100	8.290144	8.290144	6.476029	6.476029	FALSE	8.90065426	8.290144	FALSE	716.99	280	0.03228	0.0000406
5475404175100	547540	4175100	8.290481	8.290481	6.474857	6.474857	FALSE	8.89904346	8.290481	FALSE	697.64	280	0.03228	0.0000406
5475604175100	547560	4175100	8.293388	8.293388	6.567817	6.567817	FALSE	9.02680768	8.293388	FALSE	678.34	280	0.03228	0.0000406
5475804175100	547580	4175100	8.295159	8.295159	6.58856	6.58856	FALSE	9.05531686	8.295159	FALSE	659.07	280	0.03228	0.0000406
5476004175100	547600	4175100	8.300009	8.300009	6.744426	6.744426	FALSE	9.26953909	8.300009	FALSE	639.85	280	0.03228	0.0000406
5476204175100	547620	4175100	8.312486	8.312486	7.124526	7.124526	FALSE	9.79194853	8.312486	FALSE	620.68	280	0.03228	0.0000406
5476404175100	547640	4175100	8.323003	8.323003	7.395156	7.395156	FALSE	10.1639024	8.323003	FALSE	601.56	280	0.03228	0.0000406
5476604175100	547660	4175100	8.323549	8.323549	7.490463	7.490463	FALSE	10.2948923	8.323549	FALSE	582.50	280	0.03228	0.0000406
5476804175100	547680	4175100	8.335712	8.335712	7.860872	7.860872	FALSE	10.8039825	8.335712	FALSE	563.51	280	0.03228	0.0000406
5477004175100	547700	4175100	8.332679	8.332679	7.903715	7.903715	FALSE	10.8628659	8.332679	FALSE	544.59	280	0.03228	0.0000406
5477204175100	547720	4175100	8.326631	8.326631	7.827536	7.827536	FALSE	10.7581655	8.326631	FALSE	525.74	280	0.03228	0.0000406
5477404175100	547740	4175100	8.329527	8.329527	7.899001	7.899001	FALSE	10.856387	8.329527	FALSE	506.99	280	0.03228	0.0000406
5477604175100	547760	4175100	8.328814	8.328814	7.912931	7.912931	FALSE	10.8755324	8.328814	FALSE	488.34	280	0.03228	0.0000406
5477804175100	547780	4175100	8.330389	8.330389	8.020042	8.020042	FALSE	11.0227457	8.330389	FALSE	469.79	280	0.03228	0.0000406
5478004175100	547800	4175100	8.334307	8.334307	8.197771	8.197771	FALSE	11.2670165	8.334307	FALSE	451.38	280	0.03228	0.0000406
5478204175100	547820	4175100	8.342836	8.342836	8.512625	8.512625	FALSE	11.6997518	8.342836	FALSE	433.10	280	0.03228	0.0000406
5478404175100	547840	4175100	8.356436	8.356436	8.932128	8.932128	FALSE	12.2763167	8.356436	FALSE	414.98	280	0.03228	0.0000406
5478604175100	547860	4175100	8.361993	8.361993	9.104408	9.104408	FALSE	12.5130984	8.361993	FALSE	397.04	280	0.03228	0.0000406
5478804175100	547880	4175100	8.370273	8.370273	9.324089	9.324089	FALSE	12.8150279	8.370273	FALSE	379.31	280	0.03228	0.0000406
5479004175100	547900	4175100	8.379433	8.379433	9.491626	9.491626	FALSE	13.0452908	8.379433	FALSE	361.81	280	0.03228	0.0000406
5479204175100	547920	4175100	8.405259	8.405259	9.900398	9.900398	FALSE	13.607107	8.405259	FALSE	344.59	280	0.03228	0.0000406
5479404175100	547940	4175100	8.413826	8.413826	10.1745	10.1745	FALSE	13.9838355	8.413826	FALSE	327.68	280	0.03228	0.0000406
5479604175100	547960	4175100	8.389871	8.389871	9.810587	9.810587	FALSE	13.4836708	8.389871	FALSE	311.14	280	0.03228	0.0000406
5479804175100	547980	4175100	8.38372	8.38372	9.782046	9.782046	FALSE	13.444444	8.38372	FALSE	295.03	280	0.03228	0.0000406
5480004175100	548000	4175100	8.386471	8.386471	9.945545	9.945545	FALSE	13.669157	8.386471	FALSE	279.42	260	0.04035	0.00005075
5480204175100	548020	4175100	8.370498	8.370498	9.737358	9.737358	FALSE	13.3830248	8.370498	FALSE	264.40	260	0.04035	0.00005075
5480404175100	548040	4175100	8.368631	8.368631	9.715519	9.715519	FALSE	13.3530093	8.368631	FALSE	250.08	240	0.04842	0.0000609
5480604175100	548060	4175100	8.359219	8.359219	9.546665	9.546665	FALSE	13.1209364	8.359219	FALSE	236.59	220	0.05649	0.00007105
5480804175100	548080	4175100	8.362534	8.362534	9.756278	9.756278	FALSE	13.4090285	8.362534	FALSE	224.07	220	0.05649	0.00007105
5481004175100	548100	4175100	8.345257	8.345257	9.612024	9.612024	FALSE	13.2107658	8.345257	FALSE	212.70	200	0.06456	0.0000812
5481204175100	548120	4175100	8.392268	8.392268	11.06575	11.06575	FALSE	15.2087599	8.392268	FALSE	202.66	200	0.06456	0.0000812
5481404175100	548140	4175100	8.413244	8.413244	11.87056	11.87056	FALSE	16.3148922	8.413244	FALSE	194.18	180	0.07263	0.00009135
5481604175100	548160	4175100	8.431905	8.431905	12.55969	12.55969	FALSE	17.2620366	8.431905	FALSE	187.46	180	0.07263	0.00009135
5481804175100	548180	4175100	8.440691	8.440691	13.05891	13.05891	FALSE	17.9481632	8.440691	FALSE	182.68	180	0.07263	0.00009135
5482004175100	548200	4175100	8.414451	8.414451	12.64923	12.64923	FALSE	17.3850948	8.414451	FALSE	180.02	180	0.07263	0.00009135
5482204175100	548220	4175100	8.411252	8.411252	12.67615	12.67615	FALSE	17.4221047	8.411252	FALSE	179.55	160	0.0807	0.0001015
5482404175100	548240	4175100	8.406529	8.406529	12.66544	12.66544	FALSE	17.4073807	8.406529	FALSE	181.31	180	0.07263	0.00009135
5482604175100	548260	4175100	8.408174	8.408174	12.70497	12.70497	FALSE	17.4617121	8.408174	FALSE	185.22	180	0.07263	0.00009135
5482804175100	548280	4175100	8.398149	8.398149	12.43397	12.43397	FALSE	17.0892497	8.398149	FALSE	191.15	180	0.07263	0.00009135
5483004175100	548300	4175100	8.401096	8.401096	12.38172	12.38172	FALSE	17.0174318	8.401096	FALSE	198.93	180	0.07263	0.00009135
5483204175100	548320	4175100	8.39201	8.39201	12.24314	12.24314	FALSE	16.8269675	8.39201	FALSE	208.34	200	0.06456	0.0000812
5483404175100	548340	4175100	8.4	8.4	12.59007	12.59007	FALSE	17.3037853	8.4	FALSE	219.18	200	0.06456	0.0000812
5483604175100	548360	4175100	8.431593	8.431593	13.70206	13.70206	FALSE	18.832114	8.431593	FALSE	231.24	220	0.05649	0.00007105
5483804175100	548380	4175100	8.465352	8.465352	14.77526	14.77526	FALSE	20.3071146	8.465352	FALSE	244.35	240	0.04842	0.0000609
5484004175100	548400	4175100	8.504508	8.504508	15.93824	15.93824	FALSE	21.9055157	8.504508	FALSE	258.34	240	0.04842	0.0000609
5484204175100	548420	4175100	8.553526	8.553526	17.36728	17.36728	FALSE	23.8695951	8.553526	FALSE	273.08	260	0.04035	0.00005075
5484404175100	548440	4175100	8.647858	8.647858	19.89078	19.89078	FALSE	27.3378908	8.647858	FALSE	288.45	280	0.03228	0.0000406
5484604175100	548460	4175100	8.736382	8.736382	22.91353	22.91353	FALSE	31.4923598	8.736382	FALSE	304.37	280	0.03228	0.0000406
5484804175100	548480	4175100	8.844859	8.844859	27.57393	27.57393	FALSE	37.8976094	8.844859	FALSE	320.74	280	0.03228	0.0000406
5485004175100	548500	4175100	9.053311	9.053311	35.02119	35.02119	FALSE	48.1331208	9.053311	FALSE	337.50	280	0.03228	0.0000406
5485204175100	548520	4175100	8.972527	8.972527	31.60541	31.60541	FALSE	43.4384686	8.972527	FALSE	354.60	280	0.03228	0.0000406
5485404175100	548540	4175100	8.986838	8.986838	32.17652	32.17652	TRUE	44.2234036	8.986838	TRUE	371.98	280	0.03228	0.0000406
5485604175100	548560	4175100	8.941954	8.941954	31.11225	31.11225	TRUE	42.7606695	8.941954	TRUE	389.62	280	0.03228	0.0000406
5485804175100	548580	4175100	8.992147	8.992147	32.455	32.455	TRUE	44.6061493	8.992147	TRUE	407.48	280	0.03228	0.0000406
5486004175100	548600	4175100	9.250606	9.250606	39.99938	39.99938	TRUE	54.9751465	9.250606	TRUE	425.53	280	0.03228	0.0000406
5486204175100	548620	4175100	9.7864	9.7864	54.86081	54.86081	FALSE	75.4007028	9.7864	FALSE	443.74	280	0.03228	0.0000406
5486404175100	548640	4175100	10.41603	10.41603	71.70801	71.70801	FALSE	98.5554862	10.416026	FALSE	462.10	280	0.03228	0.0000406
5486604175100	548660	4175100	10.33838	10.33838	68.86773	68.86773	FALSE	94.6518095	10.338376	FALSE	480.60	280	0.03228	0.0000406
5486804175100	548680	4175100	9.770561	9.770561	53.67401	53.67401	TRUE	73.7695538	9.770561	TRUE	499.20	280	0.03228	0.0000406

5487004175100	548700	4175100	9.433156	9.433156	44.57523	44.57523	TRUE	61.2641906	9.433156	TRUE	517.92	280	0.03228	0.0000406
5487204175100	548720	4175100	9.279656	9.279656	40.51506	40.51506	TRUE	55.6839026	9.279656	TRUE	536.72	280	0.03228	0.0000406
5487404175100	548740	4175100	9.169288	9.169288	37.67875	37.67875	TRUE	51.7856795	9.169288	TRUE	555.61	280	0.03228	0.0000406
5487604175100	548760	4175100	9.085986	9.085986	35.64938	35.64938	TRUE	48.9965024	9.085986	TRUE	574.58	280	0.03228	0.0000406
5487804175100	548780	4175100	9.029457	9.029457	34.43238	34.43238	TRUE	47.3238576	9.029457	TRUE	593.61	280	0.03228	0.0000406
5488004175100	548800	4175100	8.998152	8.998152	34.1191	34.1191	TRUE	46.8932897	8.998152	TRUE	612.70	280	0.03228	0.0000406
5488204175100	548820	4175100	8.995281	8.995281	35.00504	35.00504	TRUE	48.1109311	8.995281	TRUE	631.85	280	0.03228	0.0000406
5488404175100	548840	4175100	9.064022	9.064022	39.21721	39.21721	FALSE	53.9001348	9.064022	FALSE	651.05	280	0.03228	0.0000406
5488604175100	548860	4175100	8.934092	8.934092	33.75296	33.75296	FALSE	46.3900682	8.934092	FALSE	670.30	280	0.03228	0.0000406
5488804175100	548880	4175100	8.934904	8.934904	34.51392	34.51392	FALSE	47.435933	8.934904	FALSE	689.59	280	0.03228	0.0000406
5489004175100	548900	4175100	8.836418	8.836418	30.34857	30.34857	FALSE	41.7110732	8.836418	FALSE	708.92	280	0.03228	0.0000406
5489204175100	548920	4175100	8.777493	8.777493	28.03529	28.03529	FALSE	38.5316985	8.777493	FALSE	728.29	280	0.03228	0.0000406
5489404175100	548940	4175100	8.733974	8.733974	26.45069	26.45069	FALSE	36.3538283	8.733974	FALSE	747.69	280	0.03228	0.0000406
5489604175100	548960	4175100	8.699743	8.699743	25.24021	25.24021	FALSE	34.6901487	8.699743	FALSE	767.12	280	0.03228	0.0000406
5489804175100	548980	4175100	8.671644	8.671644	24.25875	24.25875	FALSE	33.3412315	8.671644	FALSE	786.58	280	0.03228	0.0000406
5490004175100	549000	4175100	8.646935	8.646935	23.37518	23.37518	FALSE	32.1268515	8.646935	FALSE	806.06	280	0.03228	0.0000406
5490204175100	549020	4175100	8.622719	8.622719	22.45765	22.45765	FALSE	30.8657942	8.622719	FALSE	825.57	280	0.03228	0.0000406
5490404175100	549040	4175100	8.602953	8.602953	21.69691	21.69691	FALSE	29.8202345	8.602953	FALSE	845.11	280	0.03228	0.0000406
5490604175100	549060	4175100	8.584868	8.584868	20.98808	20.98808	FALSE	28.846013	8.584868	FALSE	864.66	280	0.03228	0.0000406
5490804175100	549080	4175100	8.570768	8.570768	20.46254	20.46254	FALSE	28.1237122	8.570768	FALSE	884.23	280	0.03228	0.0000406
5491004175100	549100	4175100	8.555765	8.555765	19.92891	19.92891	FALSE	27.3902884	8.555765	FALSE	903.83	280	0.03228	0.0000406
5469804175120	546980	4175120	8.27293	8.27293	6.680171	6.680171	FALSE	9.18122702	8.27293	FALSE	1244.43	280	0.03228	0.0000406
5470004175120	547000	4175120	8.270956	8.270956	6.508028	6.508028	FALSE	8.94463368	8.270956	FALSE	1224.59	280	0.03228	0.0000406
5470204175120	547020	4175120	8.267274	8.267274	6.283327	6.283327	FALSE	8.63580463	8.267274	FALSE	1204.77	280	0.03228	0.0000406
5470404175120	547040	4175120	8.272044	8.272044	6.440752	6.440752	FALSE	8.85216955	8.272044	FALSE	1184.95	280	0.03228	0.0000406
5470604175120	547060	4175120	8.277346	8.277346	6.586007	6.586007	FALSE	9.05180802	8.277346	FALSE	1165.13	280	0.03228	0.0000406
5470804175120	547080	4175120	8.287149	8.287149	6.839551	6.839551	FALSE	9.40027889	8.287149	FALSE	1145.32	280	0.03228	0.0000406
5471004175120	547100	4175120	8.308147	8.308147	7.276804	7.276804	FALSE	10.0012394	8.308147	FALSE	1125.52	280	0.03228	0.0000406
5471204175120	547120	4175120	8.336833	8.336833	7.807502	7.807502	FALSE	10.7306307	8.336833	FALSE	1105.73	280	0.03228	0.0000406
5471404175120	547140	4175120	8.293369	8.293369	6.902245	6.902245	FALSE	9.48644553	8.293369	FALSE	1085.94	280	0.03228	0.0000406
5471604175120	547160	4175120	8.283648	8.283648	6.718299	6.718299	FALSE	9.23363015	8.283648	FALSE	1066.16	280	0.03228	0.0000406
5471804175120	547180	4175120	8.291512	8.291512	6.934086	6.934086	FALSE	9.5302078	8.291512	FALSE	1046.39	280	0.03228	0.0000406
5472004175120	547200	4175120	8.291754	8.291754	6.958503	6.958503	FALSE	9.56376652	8.291754	FALSE	1026.63	280	0.03228	0.0000406
5472204175120	547220	4175120	8.293992	8.293992	7.026875	7.026875	FALSE	9.657737	8.293992	FALSE	1006.87	280	0.03228	0.0000406
5472404175120	547240	4175120	8.288304	8.288304	6.873381	6.873381	FALSE	9.44677485	8.288304	FALSE	987.13	280	0.03228	0.0000406
5472604175120	547260	4175120	8.282845	8.282845	6.846451	6.846451	FALSE	9.40976225	8.282845	FALSE	967.40	280	0.03228	0.0000406
5472804175120	547280	4175120	8.275808	8.275808	6.649658	6.649658	FALSE	9.13928996	8.275808	FALSE	947.68	280	0.03228	0.0000406
5473004175120	547300	4175120	8.271072	8.271072	6.476778	6.476778	FALSE	8.90168368	8.271072	FALSE	927.97	280	0.03228	0.0000406
5473204175120	547320	4175120	8.266483	8.266483	6.292211	6.292211	FALSE	8.6480148	8.266483	FALSE	908.27	280	0.03228	0.0000406
5473404175120	547340	4175120	8.267636	8.267636	6.355571	6.355571	FALSE	8.73509678	8.267636	FALSE	888.59	280	0.03228	0.0000406
5473604175120	547360	4175120	8.268767	8.268767	6.417266	6.417266	FALSE	8.81989039	8.268767	FALSE	868.92	280	0.03228	0.0000406
5473804175120	547380	4175120	8.279376	8.279376	6.747865	6.747865	FALSE	9.27426566	8.279376	FALSE	849.27	280	0.03228	0.0000406
5474004175120	547400	4175120	8.281428	8.281428	6.810863	6.810863	FALSE	9.36085011	8.281428	FALSE	829.64	280	0.03228	0.0000406
5474204175120	547420	4175120	8.283427	8.283427	6.8733	6.8733	FALSE	9.44666352	8.283427	FALSE	810.02	280	0.03228	0.0000406
5474404175120	547440	4175120	8.285901	8.285901	6.95198	6.95198	FALSE	9.55480131	8.285901	FALSE	790.42	280	0.03228	0.0000406
5474604175120	547460	4175120	8.288035	8.288035	6.915424	6.915424	FALSE	9.50455875	8.288035	FALSE	770.84	280	0.03228	0.0000406
5474804175120	547480	4175120	8.282566	8.282566	6.732665	6.732665	FALSE	9.25337478	8.282566	FALSE	751.29	280	0.03228	0.0000406
5475004175120	547500	4175120	8.278427	8.278427	6.458703	6.458703	FALSE	8.8768414	8.278427	FALSE	731.75	280	0.03228	0.0000406
5475204175120	547520	4175120	8.267411	8.267411	6.059371	6.059371	FALSE	8.3279995	8.267411	FALSE	712.25	280	0.03228	0.0000406
5475404175120	547540	4175120	8.266499	8.266499	6.030151	6.030151	FALSE	8.28783953	8.266499	FALSE	692.77	280	0.03228	0.0000406
5475604175120	547560	4175120	8.269928	8.269928	6.151268	6.151268	FALSE	8.45430274	8.269928	FALSE	673.32	280	0.03228	0.0000406
5475804175120	547580	4175120	8.268637	8.268637	6.100019	6.100019	FALSE	8.38386611	8.268637	FALSE	653.91	280	0.03228	0.0000406
5476004175120	547600	4175120	8.272661	8.272661	6.245509	6.245509	FALSE	8.58382757	8.272661	FALSE	634.53	280	0.03228	0.0000406
5476204175120	547620	4175120	8.285147	8.285147	6.633763	6.633763	FALSE	9.11744387	8.285147	FALSE	615.19	280	0.03228	0.0000406
5476404175120	547640	4175120	8.298029	8.298029	6.984007	6.984007	FALSE	9.59881922	8.298029	FALSE	595.90	280	0.03228	0.0000406
5476604175120	547660	4175120	8.298327	8.298327	7.078651	7.078651	FALSE	9.72889793	8.298327	FALSE	576.65	280	0.03228	0.0000406
5476804175120	547680	4175120	8.307093	8.307093	7.360249	7.360249	FALSE	10.1159262	8.307093	FALSE	557.46	280	0.03228	0.0000406
5477004175120	547700	4175120	8.303251	8.303251	7.36333	7.36333	FALSE	10.1201608	8.303251	FALSE	538.33	280	0.03228	0.0000406
5477204175120	547720	4175120	8.302315	8.302315	7.415297	7.415297	FALSE	10.1915842	8.302315	FALSE	519.26	280	0.03228	0.0000406
5477404175120	547740	4175120	8.303747	8.303747	7.515251	7.515251	FALSE	10.328961	8.303747	FALSE	500.26	280	0.03228	0.0000406
5477604175120	547760	4175120	8.302497	8.302497	7.494708	7.494708	FALSE	10.3007267	8.302497	FALSE	481.35	280	0.03228	0.0000406
5477804175120	547780	4175120	8.303936	8.303936	7.590676	7.590676	FALSE	10.4326251	8.303936	FALSE	462.52	280	0.03228	0.0000406
5478004175120	547800	4175120	8.308607	8.308607	7.793335	7.793335	FALSE	10.7111596	8.308607	FALSE	443.80	280	0.03228	0.0000406
5478204175120	547820	4175120	8.317169	8.317169	8.120237	8.120237	FALSE	11.1604537	8.317169	FALSE	425.20	280	0.03228	0.0000406
5478404175120	547840	4175120	8.331911	8.331911	8.5922	8.5922	FALSE	11.8091197	8.331911	FALSE	406.73	280	0.03228	0.0000406
5478604175120	547860	4175120	8.338781	8.338781	8.83498	8.83498	FALSE	12.1427965	8.338781	FALSE	388.41	280	0.03228	0.0000406
5478804175120	547880	4175120	8.343003	8.343003	8.946549	8.946549	FALSE	12.2961369	8.343003	FALSE	370.26	280	0.03228	0.0000406
5479004175120	547900	4175120	8.352655	8.352655	9.166386	9.166386	FALSE	12.5982809	8.352655	FALSE	352.32	280	0.03228	0.0000406
5479204175120	547920	4175120	8.375353	8.375353	9.635966	9.635966	FALSE	13.2436717	8.375353	FALSE	334.61	280	0.03228	0.0000406
5479404175120	547940	4175120	8.383234	8.383234	9.92709	9.92709	FALSE	13.6437925	8.383234	FALSE	317.17	280	0.03228	0.0000406
5479604175120	547960	4175120	8.365836	8.365836	9.659618	9.659618	FALSE	13.276179	8.365836	FALSE	300.05	280	0.03228	0.0000406
5479804175120	547980	4175120	8.356432	8.356432	9.469466	9.469466	FALSE	13.0148341	8.356432	FALSE	283.30	280	0.03228	0.0000406
5480004175120	548000	4175120	8.364505	8.364505	9.760254	9.760254	FALSE	13.4144931	8.364505	FALSE	267.01	260	0.04035	0.00005075
5480204175120	548020	4175120	8.375252	8.375252	10.0578	10.0578	FALSE	13.8234431	8.375252	FALSE	251.25	240	0.04842	0.0000609
5480404175120	548040	4175120	8.357884	8.357884	9.796274	9.796274	FALSE	13.463999	8.357884	FALSE	236.14	220	0.05649	0.00007105
5480604175120	548060	4175120	8.350346	8.350346	9.784458	9.784458	FALSE	13.4477591	8.350346	FALSE	221.80	220	0.05649	0.00007105
5480804175120	548080	4175120	8.354664	8.354664	10.11053	10.11053	FALSE	13.8959083	8.354664	FALSE	208.39	200	0.06456	0.0000812
5481004175120	548100	4175120	8.366375	8.366375	10.67562	10.67562	FALSE	14.6725666	8.366375	FALSE	196.12	180	0.07263	0.00009135
5481204175120	548120	4175120	8.372868	8.372868	11.00628	11.00628	FALSE	15.1270326	8.372868	FALSE	185.19	180	0.07263	0.00009135
5481404175120	548140	4175120	8.387048	8.387048	11.59409	11.59409	FALSE	15.93492	8.387048	FALSE	175.86	160	0.0807	0.0001015
5481604175120	548160	4175120	8.411376	8.411376	12.47805	12.47805	FALSE	17.1498333	8.411376	FALSE	168.41	160	0.0807	0.0001015
5481804175120	548180	4175120	8.43235	8.43235	13.29013	13.29013	FALSE	18.2659505	8.43235	FALSE	163.08	160	0.0807	0.0001015
5482004175120	548200	4175120	8.445942	8.445942	13.83938	13.83938	FALSE	19.0208452	8.445942	FALSE	160.09	160	0.0807	0.0001015
5482204175120	548220	4175120	8.470344	8.470344	14.60601	14.60601	FALSE	20.0744933	8.470344	FALSE	159.57	150	0.09684	0.0001218
5482404175120	548240	4175120	8.4627	8.4627	14.5714	14.5714	FALSE	20.0269377	8.4627	FALSE	161.54	160	0.0807	0.0001015
5482604175120	548260	4175120	8.46253	8.46253	14.64552	14.64552	FALSE	20.1288082	8.46253	FALSE	165.91	160	0.0807	0.0001015
5482804175120	548280	4175120	8.4504	8.4504	14.4397	14.4397	FALSE	19.8459237	8.4504	FALSE	172.51	160	0.0807	0.0001015
5483004175120	548300	4175120	8.440376	8.440376	14.1536	14.1536	FALSE	19.4527051	8.440376	FALSE	181.09	180	0.07263	0.00009135
5483204175120	548320	4175120	8.424371	8.424371	13.78641	13.78641	FALSE	18.9480447	8.424371	FALSE	191.38	180	0.07263	0.00009135
5483404175120	548340	4175120	8.420467	8.420467	13.68757	13.68757	FALSE	18.8121921	8.420467	FALSE	203.13	200	0.06456	0.0000812
5483604175120	548360	4175120	8.466843	8.466843	15.38383	15.38383	FALSE	21.1435387	8.466843	FALSE	216.09	200	0.06456	0.0000812
5483804175120	548380	4175120	8.511333	8.511333	16.88035	16.88035	FALSE	23.2003585	8.511333	FALSE	230.06	220	0.05649	0.00007105
5484004175120	548400	4175120	8.56149	8.56149	18.5027	18.5027	FALSE	25.4301081	8.56149	FALSE	244.87	240	0.04842	0.0000609
5484204175120	548420	4175120	8.629081	8.629081	20.70405	20.70405	FALSE	28.4556449	8.629081	FALSE	260.37	260	0.04035	0.00005075

5484404175120	548440	4175120	8.735742	8.735742	24.00689	24.00689	FALSE	32.995071	8.735742	FALSE	276.46	260	0.04035	0.00005075
5484604175120	548460	4175120	8.989853	8.989853	31.88474	31.88474	FALSE	43.8223867	8.989853	FALSE	293.02	280	0.03228	0.0000406
5484804175120	548480	4175120	8.903249	8.903249	29.33105	29.33105	FALSE	40.3126006	8.903249	FALSE	309.99	280	0.03228	0.0000406
5485004175120	548500	4175120	8.923957	8.923957	29.46531	29.46531	TRUE	40.4971221	8.923957	TRUE	327.30	280	0.03228	0.0000406
5485204175120	548520	4175120	8.83928	8.83928	26.94456	26.94456	TRUE	37.0325991	8.83928	TRUE	344.91	280	0.03228	0.0000406
5485404175120	548540	4175120	8.815736	8.815736	26.34772	26.34772	TRUE	36.2123105	8.815736	TRUE	362.76	280	0.03228	0.0000406
5485604175120	548560	4175120	8.832656	8.832656	26.97762	26.97762	TRUE	37.0780382	8.832656	TRUE	380.82	280	0.03228	0.0000406
5485804175120	548580	4175120	8.901465	8.901465	29.08545	29.08545	TRUE	39.9750425	8.901465	TRUE	399.07	280	0.03228	0.0000406
5486004175120	548600	4175120	9.114997	9.114997	35.46382	35.46382	TRUE	48.7414715	9.114997	TRUE	417.48	280	0.03228	0.0000406
5486204175120	548620	4175120	9.616543	9.616543	49.70562	49.70562	TRUE	68.3154028	9.616543	TRUE	436.04	280	0.03228	0.0000406
5486404175120	548640	4175120	9.891088	9.891088	56.80031	56.80031	FALSE	78.0663502	9.891088	FALSE	454.71	280	0.03228	0.0000406
5486604175120	548660	4175120	9.861124	9.861124	56.28601	56.28601	FALSE	77.3594935	9.861124	FALSE	473.49	280	0.03228	0.0000406
5486804175120	548680	4175120	9.870153	9.870153	55.91048	55.91048	TRUE	76.8433596	9.870153	TRUE	492.37	280	0.03228	0.0000406
5487004175120	548700	4175120	9.489194	9.489194	45.85104	45.85104	TRUE	63.0176653	9.489194	TRUE	511.33	280	0.03228	0.0000406
5487204175120	548720	4175120	9.290938	9.290938	40.51766	40.51766	TRUE	55.687476	9.290938	TRUE	530.37	280	0.03228	0.0000406
5487404175120	548740	4175120	9.163847	9.163847	37.1189	37.1189	TRUE	51.0162134	9.163847	TRUE	549.48	280	0.03228	0.0000406
5487604175120	548760	4175120	9.075456	9.075456	34.90327	34.90327	TRUE	47.9710488	9.075456	TRUE	568.65	280	0.03228	0.0000406
5487804175120	548780	4175120	9.013468	9.013468	33.42045	33.42045	TRUE	45.933072	9.013468	TRUE	587.87	280	0.03228	0.0000406
5488004175120	548800	4175120	8.971885	8.971885	32.62932	32.62932	TRUE	44.8457429	8.971885	TRUE	607.15	280	0.03228	0.0000406
5488204175120	548820	4175120	8.949615	8.949615	32.5547	32.5547	TRUE	44.7431797	8.949615	TRUE	626.47	280	0.03228	0.0000406
5488404175120	548840	4175120	8.969452	8.969452	34.42754	34.42754	TRUE	47.317211	8.969452	TRUE	645.83	280	0.03228	0.0000406
5488604175120	548860	4175120	9.063334	9.063334	39.82391	39.82391	FALSE	54.7339847	9.063334	FALSE	665.23	280	0.03228	0.0000406
5488804175120	548880	4175120	9.010298	9.010298	37.80723	37.80723	FALSE	51.9622624	9.010298	FALSE	684.66	280	0.03228	0.0000406
5489004175120	548900	4175120	8.875182	8.875182	32.0565	32.0565	FALSE	44.0584536	8.875182	FALSE	704.13	280	0.03228	0.0000406
5489204175120	548920	4175120	8.803095	8.803095	29.20564	29.20564	FALSE	40.1402371	8.803095	FALSE	723.62	280	0.03228	0.0000406
5489404175120	548940	4175120	8.75352	8.75352	27.40235	27.40235	FALSE	37.6617898	8.75352	FALSE	743.14	280	0.03228	0.0000406
5489604175120	548960	4175120	8.719255	8.719255	26.30116	26.30116	FALSE	36.1483171	8.719255	FALSE	762.69	280	0.03228	0.0000406
5489804175120	548980	4175120	8.692738	8.692738	25.52231	25.52231	FALSE	35.0778656	8.692738	FALSE	782.26	280	0.03228	0.0000406
5490004175120	549000	4175120	8.669313	8.669313	24.78878	24.78878	FALSE	34.0697006	8.669313	FALSE	801.85	280	0.03228	0.0000406
5490204175120	549020	4175120	8.645297	8.645297	23.89157	23.89157	FALSE	32.8365711	8.645297	FALSE	821.46	280	0.03228	0.0000406
5490404175120	549040	4175120	8.622051	8.622051	22.87219	22.87219	FALSE	31.4355338	8.622051	FALSE	841.09	280	0.03228	0.0000406
5490604175120	549060	4175120	8.599601	8.599601	21.85186	21.85186	FALSE	30.0331923	8.599601	FALSE	860.73	280	0.03228	0.0000406
5490804175120	549080	4175120	8.58192	8.58192	21.09998	21.09998	FALSE	28.999818	8.58192	FALSE	880.39	280	0.03228	0.0000406
5491004175120	549100	4175120	8.565435	8.565435	20.45932	20.45932	FALSE	28.1192867	8.565435	FALSE	900.07	280	0.03228	0.0000406
5469804175140	546980	4175140	8.268674	8.268674	6.753805	6.753805	FALSE	9.28242959	8.268674	FALSE	1242.02	280	0.03228	0.0000406
5470004175140	547000	4175140	8.266086	8.266086	6.535584	6.535584	FALSE	8.98250665	8.266086	FALSE	1222.15	280	0.03228	0.0000406
5470204175140	547020	4175140	8.262902	8.262902	6.288086	6.288086	FALSE	8.6423454	8.262902	FALSE	1202.28	280	0.03228	0.0000406
5470404175140	547040	4175140	8.265829	8.265829	6.367692	6.367692	FALSE	8.75175588	8.265829	FALSE	1182.42	280	0.03228	0.0000406
5470604175140	547060	4175140	8.269703	8.269703	6.475449	6.475449	FALSE	8.89985711	8.269703	FALSE	1162.56	280	0.03228	0.0000406
5470804175140	547080	4175140	8.277258	8.277258	6.701663	6.701663	FALSE	9.21076563	8.277258	FALSE	1142.71	280	0.03228	0.0000406
5471004175140	547100	4175140	8.290124	8.290124	6.997411	6.997411	FALSE	9.61724168	8.290124	FALSE	1122.86	280	0.03228	0.0000406
5471204175140	547120	4175140	8.330808	8.330808	7.780541	7.780541	FALSE	10.6935756	8.330808	FALSE	1103.02	280	0.03228	0.0000406
5471404175140	547140	4175140	8.300864	8.300864	7.168937	7.168937	FALSE	9.85298701	8.300864	FALSE	1083.18	280	0.03228	0.0000406
5471604175140	547160	4175140	8.282381	8.282381	6.787275	6.787275	FALSE	9.32843076	8.282381	FALSE	1063.35	280	0.03228	0.0000406
5471804175140	547180	4175140	8.286921	8.286921	6.919781	6.919781	FALSE	9.51054701	8.286921	FALSE	1043.53	280	0.03228	0.0000406
5472004175140	547200	4175140	8.285826	8.285826	6.913617	6.913617	FALSE	9.5020752	8.285826	FALSE	1023.71	280	0.03228	0.0000406
5472204175140	547220	4175140	8.294628	8.294628	7.168474	7.168474	FALSE	9.85235067	8.294628	FALSE	1003.90	280	0.03228	0.0000406
5472404175140	547240	4175140	8.316078	8.316078	7.682424	7.682424	FALSE	10.5587235	8.316078	FALSE	984.10	280	0.03228	0.0000406
5472604175140	547260	4175140	8.295005	8.295005	7.257908	7.257908	FALSE	9.97526876	8.295005	FALSE	964.31	280	0.03228	0.0000406
5472804175140	547280	4175140	8.281724	8.281724	6.893619	6.893619	FALSE	9.47458995	8.281724	FALSE	944.52	280	0.03228	0.0000406
5473004175140	547300	4175140	8.274172	8.274172	6.65538	6.65538	FALSE	9.14715427	8.274172	FALSE	924.74	280	0.03228	0.0000406
5473204175140	547320	4175140	8.269332	8.269332	6.491418	6.491418	FALSE	8.9218049	8.269332	FALSE	904.98	280	0.03228	0.0000406
5473404175140	547340	4175140	8.26961	8.26961	6.546218	6.546218	FALSE	8.99712202	8.26961	FALSE	885.22	280	0.03228	0.0000406
5473604175140	547360	4175140	8.269277	8.269277	6.574545	6.574545	FALSE	9.03605465	8.269277	FALSE	865.48	280	0.03228	0.0000406
5473804175140	547380	4175140	8.277554	8.277554	6.83448	6.83448	FALSE	9.39330931	8.277554	FALSE	845.74	280	0.03228	0.0000406
5474004175140	547400	4175140	8.277643	8.277643	6.821468	6.821468	FALSE	9.37542562	8.277643	FALSE	826.03	280	0.03228	0.0000406
5474204175140	547420	4175140	8.278794	8.278794	6.849624	6.849624	FALSE	9.41412323	8.278794	FALSE	806.32	280	0.03228	0.0000406
5474404175140	547440	4175140	8.281419	8.281419	6.934314	6.934314	FALSE	9.53052116	8.281419	FALSE	786.63	280	0.03228	0.0000406
5474604175140	547460	4175140	8.283977	8.283977	6.910512	6.910512	FALSE	9.49780769	8.283977	FALSE	766.95	280	0.03228	0.0000406
5474804175140	547480	4175140	8.27908	8.27908	6.747949	6.747949	FALSE	9.27438111	8.27908	FALSE	747.30	280	0.03228	0.0000406
5475004175140	547500	4175140	8.274775	8.274775	6.48178	6.48178	FALSE	8.90855843	8.274775	FALSE	727.66	280	0.03228	0.0000406
5475204175140	547520	4175140	8.263612	8.263612	6.075886	6.075886	FALSE	8.35069772	8.263612	FALSE	708.04	280	0.03228	0.0000406
5475404175140	547540	4175140	8.262311	8.262311	6.039162	6.039162	FALSE	8.30022425	8.262311	FALSE	688.44	280	0.03228	0.0000406
5475604175140	547560	4175140	8.265125	8.265125	6.152171	6.152171	FALSE	8.45554382	8.265125	FALSE	668.87	280	0.03228	0.0000406
5475804175140	547580	4175140	8.262589	8.262589	6.07026	6.07026	FALSE	8.34296534	8.262589	FALSE	649.32	280	0.03228	0.0000406
5476004175140	547600	4175140	8.266032	8.266032	6.204732	6.204732	FALSE	8.52778366	8.266032	FALSE	629.80	280	0.03228	0.0000406
5476204175140	547620	4175140	8.278804	8.278804	6.60837	6.60837	FALSE	9.08254373	8.278804	FALSE	610.31	280	0.03228	0.0000406
5476404175140	547640	4175140	8.292794	8.292794	7.004003	7.004003	FALSE	9.62630172	8.292794	FALSE	590.86	280	0.03228	0.0000406
5476604175140	547660	4175140	8.293456	8.293456	7.105076	7.105076	FALSE	9.76521645	8.293456	FALSE	571.45	280	0.03228	0.0000406
5476804175140	547680	4175140	8.300101	8.300101	7.32291	7.32291	FALSE	10.0646075	8.300101	FALSE	552.07	280	0.03228	0.0000406
5477004175140	547700	4175140	8.296929	8.296929	7.341184	7.341184	FALSE	10.0897233	8.296929	FALSE	532.74	280	0.03228	0.0000406
5477204175140	547720	4175140	8.296819	8.296819	7.422443	7.422443	FALSE	10.2014057	8.296819	FALSE	513.47	280	0.03228	0.0000406
5477404175140	547740	4175140	8.299031	8.299031	7.560562	7.560562	FALSE	10.3912364	8.299031	FALSE	494.25	280	0.03228	0.0000406
5477604175140	547760	4175140	8.297783	8.297783	7.540659	7.540659	FALSE	10.3638817	8.297783	FALSE	475.10	280	0.03228	0.0000406
5477804175140	547780	4175140	8.299658	8.299658	7.651993	7.651993	FALSE	10.5168992	8.299658	FALSE	456.02	280	0.03228	0.0000406
5478004175140	547800	4175140	8.304621	8.304621	7.870675	7.870675	FALSE	10.8174557	8.304621	FALSE	437.02	280	0.03228	0.0000406
5478204175140	547820	4175140	8.312311	8.312311	8.175149	8.175149	FALSE	11.2359248	8.312311	FALSE	418.11	280	0.03228	0.0000406
5478404175140	547840	4175140	8.327655	8.327655	8.673085	8.673085	FALSE	11.920288	8.327655	FALSE	399.31	280	0.03228	0.0000406
5478604175140	547860	4175140	8.336202	8.336202	8.980607	8.980607	FALSE	12.3429463	8.336202	FALSE	380.64	280	0.03228	0.0000406
5478804175140	547880	4175140	8.342237	8.342237	9.159111	9.159111	FALSE	12.5882822	8.342237	FALSE	362.10	280	0.03228	0.0000406
5479004175140	547900	4175140	8.355118	8.355118	9.499822	9.499822	FALSE	13.0565554	8.355118	FALSE	343.73	280	0.03228	0.0000406
5479204175140	547920	4175140	8.382895	8.382895	10.17213	10.17213	FALSE	13.9805727	8.382895	FALSE	325.55	280	0.03228	0.0000406
5479404175140	547940	4175140	8.395536	8.395536	10.58822	10.58822	FALSE	14.5524454	8.395536	FALSE	307.60	280	0.03228	0.0000406
5479604175140	547960	4175140	8.37306	8.37306	10.23916	10.23916	FALSE	14.0727029	8.37306	FALSE	289.91	280	0.03228	0.0000406
5479804175140	547980	4175140	8.363226	8.363226	10.02117	10.02117	FALSE	13.7730988	8.363226	FALSE	272.55	260	0.04035	0.00005075
5480004175140	548000	4175140	8.369471	8.369471	10.23281	10.23281	FALSE	14.0639741	8.369471	FALSE	255.57	240	0.04842	0.0000609
5480204175140	548020	4175140	8.379896	8.379896	10.54273	10.54273	FALSE	14.4899254	8.379896	FALSE	239.06	220	0.05649	0.00007105
5480404175140	548040	4175140	8.368494	8.368494	10.47309	10.47309	FALSE	14.3942149	8.368494	FALSE	223.12	220	0.05649	0.00007105
5480604175140	548060	4175140	8.365084	8.365084	10.6462	10.6462	FALSE	14.6321428	8.365084	FALSE	207.89	200	0.06456	0.0000812
5480804175140	548080	4175140	8.371017	8.371017	11.07536	11.07536	FALSE	15.2219762	8.371017	FALSE	193.52	180	0.07263	0.00009135
5481004175140	548100	4175140	8.382873	8.382873	11.68141	11.68141	FALSE	16.054923	8.382873	FALSE	180.23	180	0.07263	0.00009135
5481204175140	548120	4175140	8.386756	8.386756	11.92827	11.92827	FALSE	16.3942115	8.386756	FALSE	168.27	160	0.0807	0.0001015
5481404175140	548140	4175140	8.396724	8.396724	12.35859	12.35859	FALSE	16.985642	8.396724	FALSE	157.95	150	0.09684	0.0001218
5481604175140	548160	4175140	8.415915	8.415915	13.05481	13.05481	FALSE	17.9425364	8.415915	FALSE	149.61	140	0.11298	0.0001421

5481804175140	548180	4175140	8.446752	8.446752	14.21946	14.21946	FALSE	19.5432244	8.446752	FALSE	143.58	140	0.11298	0.0001421
5482004175140	548200	4175140	8.50334	8.50334	15.84722	15.84722	FALSE	21.7804219	8.50334	FALSE	140.18	140	0.11298	0.0001421
5482204175140	548220	4175140	8.483448	8.483448	15.85813	15.85813	FALSE	21.7954166	8.483448	FALSE	139.58	130	0.12105	0.00015225
5482404175140	548240	4175140	8.480252	8.480252	16.03601	16.03601	FALSE	22.0398921	8.480252	FALSE	141.83	140	0.11298	0.0001421
5482604175140	548260	4175140	8.48553	8.48553	16.30924	16.30924	FALSE	22.415425	8.48553	FALSE	146.80	140	0.11298	0.0001421
5482804175140	548280	4175140	8.490125	8.490125	16.54541	16.54541	FALSE	22.740017	8.490125	FALSE	154.22	150	0.09684	0.0001218
5483004175140	548300	4175140	8.48152	8.48152	16.33501	16.33501	FALSE	22.450835	8.48152	FALSE	163.76	160	0.0807	0.0001015
5483204175140	548320	4175140	8.475796	8.475796	16.18268	16.18268	FALSE	22.2414781	8.475796	FALSE	175.07	160	0.0807	0.0001015
5483404175140	548340	4175140	8.470677	8.470677	15.98636	15.98636	FALSE	21.9716532	8.470677	FALSE	187.84	180	0.07263	0.00009135
5483604175140	548360	4175140	8.532767	8.532767	18.29575	18.29575	FALSE	25.1456719	8.532767	FALSE	201.78	200	0.06456	0.0000812
5483804175140	548380	4175140	8.602301	8.602301	20.76866	20.76866	FALSE	28.5444477	8.602301	FALSE	216.68	200	0.06456	0.0000812
5484004175140	548400	4175140	8.707576	8.707576	24.44927	24.44927	FALSE	33.6030808	8.707576	FALSE	232.34	220	0.05649	0.00007105
5484204175140	548420	4175140	8.86131	8.86131	30.16659	30.16659	FALSE	41.460964	8.86131	FALSE	248.63	240	0.04842	0.0000609
5484404175140	548440	4175140	8.927831	8.927831	33.93131	33.93131	FALSE	46.6351925	8.927831	FALSE	265.42	260	0.04035	0.00005075
5484604175140	548460	4175140	8.816284	8.816284	27.341	27.341	FALSE	37.5774663	8.816284	FALSE	282.63	280	0.03228	0.0000406
5484804175140	548480	4175140	8.804621	8.804621	26.01517	26.01517	TRUE	35.7552428	8.804621	TRUE	300.19	280	0.03228	0.0000406
5485004175140	548500	4175140	8.767514	8.767514	24.91635	24.91635	TRUE	34.2450273	8.767514	TRUE	318.04	280	0.03228	0.0000406
5485204175140	548520	4175140	8.746464	8.746464	24.28853	24.28853	TRUE	33.382157	8.746464	TRUE	336.13	280	0.03228	0.0000406
5485404175140	548540	4175140	8.761295	8.761295	24.82601	24.82601	TRUE	34.1208695	8.761295	TRUE	354.42	280	0.03228	0.0000406
5485604175140	548560	4175140	8.79635	8.79635	25.9292	25.9292	TRUE	35.6370925	8.79635	TRUE	372.89	280	0.03228	0.0000406
5485804175140	548580	4175140	8.866517	8.866517	28.02563	28.02563	TRUE	38.5184204	8.866517	TRUE	391.51	280	0.03228	0.0000406
5486004175140	548600	4175140	9.058418	9.058418	33.78108	33.78108	TRUE	46.4287095	9.058418	TRUE	410.26	280	0.03228	0.0000406
5486204175140	548620	4175140	9.476543	9.476543	45.80811	45.80811	TRUE	62.958665	9.476543	TRUE	429.13	280	0.03228	0.0000406
5486404175140	548640	4175140	9.815552	9.815552	54.82924	54.82924	FALSE	75.3573102	9.815552	FALSE	448.09	280	0.03228	0.0000406
5486604175140	548660	4175140	9.993348	9.993348	59.74722	59.74722	FALSE	82.116575	9.993348	FALSE	467.14	280	0.03228	0.0000406
5486804175140	548680	4175140	9.979441	9.979441	58.78448	58.78448	TRUE	80.7933893	9.979441	TRUE	486.26	280	0.03228	0.0000406
5487004175140	548700	4175140	9.537136	9.537136	47.11937	47.11937	TRUE	64.7608621	9.537136	TRUE	505.45	280	0.03228	0.0000406
5487204175140	548720	4175140	9.311538	9.311538	41.01385	41.01385	TRUE	56.3694382	9.311538	TRUE	524.70	280	0.03228	0.0000406
5487404175140	548740	4175140	9.17326	9.17326	37.25412	37.25412	TRUE	51.2020625	9.17326	TRUE	544.01	280	0.03228	0.0000406
5487604175140	548760	4175140	9.078381	9.078381	34.76616	34.76616	TRUE	47.7826034	9.078381	TRUE	563.37	280	0.03228	0.0000406
5487804175140	548780	4175140	9.01081	9.01081	33.02806	33.02806	TRUE	45.3937615	9.01081	TRUE	582.76	280	0.03228	0.0000406
5488004175140	548800	4175140	8.961652	8.961652	31.88348	31.88348	TRUE	43.820659	8.961652	TRUE	602.20	280	0.03228	0.0000406
5488204175140	548820	4175140	8.928329	8.928329	31.29343	31.29343	TRUE	43.0096902	8.928329	TRUE	621.68	280	0.03228	0.0000406
5488404175140	548840	4175140	8.927129	8.927129	32.18739	32.18739	TRUE	44.2383543	8.927129	TRUE	641.18	280	0.03228	0.0000406
5488604175140	548860	4175140	8.968569	8.968569	35.03521	35.03521	TRUE	48.1523981	8.968569	TRUE	660.72	280	0.03228	0.0000406
5488804175140	548880	4175140	8.905896	8.905896	32.71894	32.71894	FALSE	44.9689166	8.905896	FALSE	680.28	280	0.03228	0.0000406
5489004175140	548900	4175140	8.966275	8.966275	36.29316	36.29316	FALSE	49.8813177	8.966275	FALSE	699.87	280	0.03228	0.0000406
5489204175140	548920	4175140	8.847203	8.847203	31.35883	31.35883	FALSE	43.0995691	8.847203	FALSE	719.48	280	0.03228	0.0000406
5489404175140	548940	4175140	8.786897	8.786897	29.18237	29.18237	FALSE	40.1082507	8.786897	FALSE	739.11	280	0.03228	0.0000406
5489604175140	548960	4175140	8.753752	8.753752	28.3831	28.3831	FALSE	39.0097326	8.753752	FALSE	758.76	280	0.03228	0.0000406
5489804175140	548980	4175140	8.738022	8.738022	28.59217	28.59217	FALSE	39.2970743	8.738022	FALSE	778.43	280	0.03228	0.0000406
5490004175140	549000	4175140	8.74361	8.74361	30.25194	30.25194	FALSE	41.5782663	8.74361	FALSE	798.11	280	0.03228	0.0000406
5490204175140	549020	4175140	8.724602	8.724602	29.61157	29.61157	FALSE	40.6981391	8.724602	FALSE	817.81	280	0.03228	0.0000406
5490404175140	549040	4175140	8.663014	8.663014	25.62215	25.62215	FALSE	35.2150885	8.663014	FALSE	837.52	280	0.03228	0.0000406
5490604175140	549060	4175140	8.623377	8.623377	23.29484	23.29484	FALSE	32.0164212	8.623377	FALSE	857.25	280	0.03228	0.0000406
5490804175140	549080	4175140	8.599971	8.599971	22.08611	22.08611	FALSE	30.3551455	8.599971	FALSE	876.99	280	0.03228	0.0000406
5491004175140	549100	4175140	8.580823	8.580823	21.24804	21.24804	FALSE	29.2033103	8.580823	FALSE	896.74	280	0.03228	0.0000406
5491204175140	549120	4175140	8.564817	8.564817	20.63259	20.63259	FALSE	28.3574358	8.564817	FALSE	916.50	280	0.03228	0.0000406
5469804175160	546980	4175160	8.267086	8.267086	6.853092	6.853092	FALSE	9.41888964	8.267086	FALSE	1239.94	280	0.03228	0.0000406
5470004175160	547000	4175160	8.263764	8.263764	6.605372	6.605372	FALSE	9.07842328	8.263764	FALSE	1220.03	280	0.03228	0.0000406
5470204175160	547020	4175160	8.26136	8.26136	6.383551	6.383551	FALSE	8.77355249	8.26136	FALSE	1200.13	280	0.03228	0.0000406
5470404175160	547040	4175160	8.2633	8.2633	6.40462	6.40462	FALSE	8.80250973	8.2633	FALSE	1180.23	280	0.03228	0.0000406
5470604175160	547060	4175160	8.265202	8.265202	6.435235	6.435235	FALSE	8.84458698	8.265202	FALSE	1160.33	280	0.03228	0.0000406
5470804175160	547080	4175160	8.269986	8.269986	6.574515	6.574515	FALSE	9.03601342	8.269986	FALSE	1140.44	280	0.03228	0.0000406
5471004175160	547100	4175160	8.279063	8.279063	6.832453	6.832453	FALSE	9.3905234	8.279063	FALSE	1120.55	280	0.03228	0.0000406
5471204175160	547120	4175160	8.301948	8.301948	7.32319	7.32319	FALSE	10.0649923	8.301948	FALSE	1100.67	280	0.03228	0.0000406
5471404175160	547140	4175160	8.324122	8.324122	7.747187	7.747187	FALSE	10.6477338	8.324122	FALSE	1080.79	280	0.03228	0.0000406
5471604175160	547160	4175160	8.287893	8.287893	6.983731	6.983731	FALSE	9.59843989	8.287893	FALSE	1060.91	280	0.03228	0.0000406
5471804175160	547180	4175160	8.287185	8.287185	7.002964	7.002964	FALSE	9.62487372	8.287185	FALSE	1041.04	280	0.03228	0.0000406
5472004175160	547200	4175160	8.284065	8.284065	6.974511	6.974511	FALSE	9.58576792	8.284065	FALSE	1021.18	280	0.03228	0.0000406
5472204175160	547220	4175160	8.285076	8.285076	7.062776	7.062776	FALSE	9.70707933	8.285076	FALSE	1001.32	280	0.03228	0.0000406
5472404175160	547240	4175160	8.289369	8.289369	7.165469	7.165469	FALSE	9.84822059	8.289369	FALSE	981.46	280	0.03228	0.0000406
5472604175160	547260	4175160	8.299173	8.299173	7.473105	7.473105	FALSE	10.2710355	8.299173	FALSE	961.62	280	0.03228	0.0000406
5472804175160	547280	4175160	8.3145	8.3145	7.77911	7.77911	FALSE	10.6916088	8.3145	FALSE	941.77	280	0.03228	0.0000406
5473004175160	547300	4175160	8.290802	8.290802	7.155648	7.155648	FALSE	9.83472261	8.290802	FALSE	921.94	280	0.03228	0.0000406
5473204175160	547320	4175160	8.279572	8.279572	6.881489	6.881489	FALSE	9.45791848	8.279572	FALSE	902.11	280	0.03228	0.0000406
5473404175160	547340	4175160	8.276101	8.276101	6.845039	6.845039	FALSE	9.4078216	8.276101	FALSE	882.29	280	0.03228	0.0000406
5473604175160	547360	4175160	8.273508	8.273508	6.807387	6.807387	FALSE	9.35607269	8.273508	FALSE	862.48	280	0.03228	0.0000406
5473804175160	547380	4175160	8.280169	8.280169	7.008877	7.008877	FALSE	9.63300055	8.280169	FALSE	842.68	280	0.03228	0.0000406
5474004175160	547400	4175160	8.279037	8.279037	6.9511	6.9511	FALSE	9.55359184	8.279037	FALSE	822.88	280	0.03228	0.0000406
5474204175160	547420	4175160	8.279404	8.279404	6.952084	6.952084	FALSE	9.55494425	8.279404	FALSE	803.10	280	0.03228	0.0000406
5474404175160	547440	4175160	8.281961	8.281961	7.038485	7.038485	FALSE	9.67369378	8.281961	FALSE	783.33	280	0.03228	0.0000406
5474604175160	547460	4175160	8.285568	8.285568	7.071937	7.071937	FALSE	9.71967021	8.285568	FALSE	763.57	280	0.03228	0.0000406
5474804175160	547480	4175160	8.289863	8.289863	7.097784	7.097784	FALSE	9.75519433	8.289863	FALSE	743.82	280	0.03228	0.0000406
5475004175160	547500	4175160	8.276984	8.276984	6.672897	6.672897	FALSE	9.17122964	8.276984	FALSE	724.09	280	0.03228	0.0000406
5475204175160	547520	4175160	8.267043	8.267043	6.315857	6.315857	FALSE	8.68051386	8.267043	FALSE	704.37	280	0.03228	0.0000406
5475404175160	547540	4175160	8.265549	8.265549	6.275509	6.275509	FALSE	8.62505957	8.265549	FALSE	684.67	280	0.03228	0.0000406
5475604175160	547560	4175160	8.266723	8.266723	6.333133	6.333133	FALSE	8.704258	8.266723	FALSE	664.99	280	0.03228	0.0000406
5475804175160	547580	4175160	8.262904	8.262904	6.203832	6.203832	FALSE	8.5265467	8.262904	FALSE	645.32	280	0.03228	0.0000406
5476004175160	547600	4175160	8.265919	8.265919	6.32319	6.32319	FALSE	8.69059234	8.265919	FALSE	625.68	280	0.03228	0.0000406
5476204175160	547620	4175160	8.279197	8.279197	6.747248	6.747248	FALSE	9.27341765	8.279197	FALSE	606.06	280	0.03228	0.0000406
5476404175160	547640	4175160	8.293698	8.293698	7.163632	7.163632	FALSE	9.84569582	8.293698	FALSE	586.46	280	0.03228	0.0000406
5476604175160	547660	4175160	8.303604	8.303604	7.431871	7.431871	FALSE	10.2143635	8.303604	FALSE	566.90	280	0.03228	0.0000406
5476804175160	547680	4175160	8.299039	8.299039	7.412983	7.412983	FALSE	10.1884038	8.299039	FALSE	547.36	280	0.03228	0.0000406
5477004175160	547700	4175160	8.298106	8.298106	7.520106	7.520106	FALSE	10.3356337	8.298106	FALSE	527.86	280	0.03228	0.0000406
5477204175160	547720	4175160	8.298224	8.298224	7.609485	7.609485	FALSE	10.4584762	8.298224	FALSE	508.40	280	0.03228	0.0000406
5477404175160	547740	4175160	8.298735	8.298735	7.681234	7.681234	FALSE	10.557088	8.298735	FALSE	488.98	280	0.03228	0.0000406
5477604175160	547760	4175160	8.299229	8.299229	7.734069	7.734069	FALSE	10.6297044	8.299229	FALSE	469.62	280	0.03228	0.0000406
5477804175160	547780	4175160	8.302401	8.302401	7.897185	7.897185	FALSE	10.8538911	8.302401	FALSE	450.30	280	0.03228	0.0000406
5478004175160	547800	4175160	8.307756	8.307756	8.135261	8.135261	FALSE	11.1811027	8.307756	FALSE	431.05	280	0.03228	0.0000406
5478204175160	547820	4175160	8.313735	8.313735	8.379091	8.379091	FALSE	11.5162227	8.313735	FALSE	411.87	280	0.03228	0.0000406
5478404175160	547840	4175160	8.328654	8.328654	8.863577	8.863577	FALSE	12.1821002	8.328654	FALSE	392.77	280	0.03228	0.0000406
5478604175160	547860	4175160	8.33782	8.33782	9.198504	9.198504	FALSE	12.6424239	8.33782	FALSE	373.77	280	0.03228	0.0000406
5478804175160	547880	4175160	8.349236	8.349236	9.578086	9.578086	FALSE	13.1641214	8.349236	FALSE	354.88	280	0.03228	0.0000406

5479004175160	547900	4175160	8.367057	8.367057	10.0983	10.0983	FALSE	13.8791021	8.367057	FALSE	336.11	280	0.03228	0.0000406
5479204175160	547920	4175160	8.408175	8.408175	11.10416	11.10416	FALSE	15.2615506	8.408175	FALSE	317.50	280	0.03228	0.0000406
5479404175160	547940	4175160	8.423371	8.423371	11.59443	11.59443	FALSE	15.9353791	8.423371	FALSE	299.06	280	0.03228	0.0000406
5479604175160	547960	4175160	8.391564	8.391564	11.09828	11.09828	FALSE	15.2534692	8.391564	FALSE	280.84	280	0.03228	0.0000406
5479804175160	547980	4175160	8.383692	8.383692	10.99835	10.99835	FALSE	15.1161377	8.383692	FALSE	262.88	260	0.04035	0.00005075
5480004175160	548000	4175160	8.385643	8.385643	11.07261	11.07261	FALSE	15.2181911	8.385643	FALSE	245.23	240	0.04842	0.0000609
5480204175160	548020	4175160	8.397195	8.397195	11.40269	11.40269	FALSE	15.6718544	8.397195	FALSE	227.97	220	0.05649	0.00007105
5480404175160	548040	4175160	8.391706	8.391706	11.59398	11.59398	FALSE	15.934762	8.391706	FALSE	211.20	200	0.06456	0.0000812
5480604175160	548060	4175160	8.390542	8.390542	11.88223	11.88223	FALSE	16.330941	8.390542	FALSE	195.03	180	0.07263	0.00009135
5480804175160	548080	4175160	8.396642	8.396642	12.34852	12.34852	FALSE	16.9718086	8.396642	FALSE	179.64	160	0.0807	0.0001015
5481004175160	548100	4175160	8.406252	8.406252	12.91015	12.91015	FALSE	17.743706	8.406252	FALSE	165.24	160	0.0807	0.0001015
5481204175160	548120	4175160	8.418498	8.418498	13.55761	13.55761	FALSE	18.6335792	8.418498	FALSE	152.11	150	0.09684	0.0001218
5481404175160	548140	4175160	8.425607	8.425607	13.92642	13.92642	FALSE	19.1404662	8.425607	FALSE	140.61	140	0.11298	0.0001421
5481604175160	548160	4175160	8.426089	8.426089	13.8981	13.8981	FALSE	19.1015459	8.426089	FALSE	131.17	130	0.12105	0.00015225
5481804175160	548180	4175160	8.468885	8.468885	15.62355	15.62355	FALSE	21.4730071	8.468885	FALSE	124.25	120	0.12912	0.0001624
5482004175160	548200	4175160	8.521832	8.521832	17.48085	17.48085	FALSE	24.0256789	8.521832	FALSE	120.30	120	0.12912	0.0001624
5482204175160	548220	4175160	8.512569	8.512569	17.91685	17.91685	FALSE	24.6249159	8.512569	FALSE	119.60	110	0.14526	0.0001827
5482404175160	548240	4175160	8.519562	8.519562	18.53797	18.53797	FALSE	25.4785846	8.519562	FALSE	122.22	120	0.12912	0.0001624
5482604175160	548260	4175160	8.532719	8.532719	19.0757	19.0757	FALSE	26.2176435	8.532719	FALSE	127.95	120	0.12912	0.0001624
5482804175160	548280	4175160	8.547066	8.547066	19.58507	19.58507	FALSE	26.9177188	8.547066	FALSE	136.40	130	0.12105	0.00015225
5483004175160	548300	4175160	8.556554	8.556554	19.88428	19.88428	FALSE	27.3289599	8.556554	FALSE	147.10	140	0.11298	0.0001421
5483204175160	548320	4175160	8.570841	8.570841	20.37252	20.37252	FALSE	27.9999929	8.570841	FALSE	159.60	150	0.09684	0.0001218
5483404175160	548340	4175160	8.591759	8.591759	21.0936	21.0936	FALSE	28.9910452	8.591759	FALSE	173.51	160	0.0807	0.0001015
5483604175160	548360	4175160	8.704574	8.704574	25.1842	25.1842	FALSE	34.613159	8.704574	FALSE	188.51	180	0.07263	0.00009135
5483804175160	548380	4175160	8.748124	8.748124	27.68797	27.68797	FALSE	38.0543446	8.748124	FALSE	204.38	200	0.06456	0.0000812
5484004175160	548400	4175160	8.764857	8.764857	27.5414	27.5414	FALSE	37.8529057	8.764857	FALSE	220.92	220	0.05649	0.00007105
5484204175160	548420	4175160	8.762152	8.762152	27.67337	27.67337	FALSE	38.034277	8.762152	FALSE	237.99	220	0.05649	0.00007105
5484404175160	548440	4175160	8.714167	8.714167	24.97078	24.97078	FALSE	34.3198332	8.714167	FALSE	255.48	240	0.04842	0.0000609
5484604175160	548460	4175160	8.725055	8.725055	24.46877	24.46877	FALSE	33.629872	8.725055	FALSE	273.32	260	0.04035	0.00005075
5484804175160	548480	4175160	8.728663	8.728663	24.26989	24.26989	FALSE	33.3565354	8.728663	FALSE	291.44	280	0.03228	0.0000406
5485004175160	548500	4175160	8.742073	8.742073	24.49177	24.49177	TRUE	33.6614914	8.742073	TRUE	309.79	280	0.03228	0.0000406
5485204175160	548520	4175160	8.728531	8.728531	24.18656	24.18656	TRUE	33.2420136	8.728531	TRUE	328.33	280	0.03228	0.0000406
5485404175160	548540	4175160	8.757508	8.757508	25.21606	25.21606	TRUE	34.6569529	8.757508	TRUE	347.04	280	0.03228	0.0000406
5485604175160	548560	4175160	8.800949	8.800949	26.54446	26.54446	TRUE	36.4827058	8.800949	TRUE	365.88	280	0.03228	0.0000406
5485804175160	548580	4175160	8.873684	8.873684	28.68834	28.68834	TRUE	39.4292531	8.873684	TRUE	384.84	280	0.03228	0.0000406
5486004175160	548600	4175160	9.064327	9.064327	34.3753	34.3753	TRUE	47.2454109	9.064327	TRUE	403.90	280	0.03228	0.0000406
5486204175160	548620	4175160	9.496231	9.496231	46.99082	46.99082	TRUE	64.584183	9.496231	TRUE	423.05	280	0.03228	0.0000406
5486404175160	548640	4175160	10.19411	10.19411	65.78013	65.78013	FALSE	90.4082052	10.194114	FALSE	442.27	280	0.03228	0.0000406
5486604175160	548660	4175160	10.43283	10.43283	71.34316	71.34316	FALSE	98.0540432	10.432834	FALSE	461.56	280	0.03228	0.0000406
5486804175160	548680	4175160	10.05656	10.05656	61.26686	61.26686	TRUE	84.2051696	10.056556	TRUE	480.91	280	0.03228	0.0000406
5487004175160	548700	4175160	9.593194	9.593194	48.85755	48.85755	TRUE	67.1498181	9.593194	TRUE	500.30	280	0.03228	0.0000406
5487204175160	548720	4175160	9.341872	9.341872	41.98654	41.98654	TRUE	57.7062965	9.341872	TRUE	519.75	280	0.03228	0.0000406
5487404175160	548740	4175160	9.19511	9.19511	37.95208	37.95208	TRUE	52.1613415	9.19511	TRUE	539.23	280	0.03228	0.0000406
5487604175160	548760	4175160	9.095845	9.095845	35.26905	35.26905	TRUE	48.4737809	9.095845	TRUE	558.75	280	0.03228	0.0000406
5487804175160	548780	4175160	9.023294	9.023294	33.28291	33.28291	TRUE	45.7440246	9.023294	TRUE	578.30	280	0.03228	0.0000406
5488004175160	548800	4175160	8.967477	8.967477	31.83001	31.83001	TRUE	43.7471671	8.967477	TRUE	597.89	280	0.03228	0.0000406
5488204175160	548820	4175160	8.926294	8.926294	30.88611	30.88611	TRUE	42.4498696	8.926294	TRUE	617.50	280	0.03228	0.0000406
5488404175160	548840	4175160	8.912494	8.912494	31.18532	31.18532	TRUE	42.8610969	8.912494	TRUE	637.13	280	0.03228	0.0000406
5488604175160	548860	4175160	8.927142	8.927142	32.77324	32.77324	TRUE	45.0435383	8.927142	TRUE	656.79	280	0.03228	0.0000406
5488804175160	548880	4175160	9.014764	9.014764	37.84023	37.84023	FALSE	52.0076176	9.014764	FALSE	676.46	280	0.03228	0.0000406
5489004175160	548900	4175160	8.906173	8.906173	33.42068	33.42068	FALSE	45.9333881	8.906173	FALSE	696.16	280	0.03228	0.0000406
5489204175160	548920	4175160	8.923451	8.923451	35.19573	35.19573	FALSE	48.3730086	8.923451	FALSE	715.87	280	0.03228	0.0000406
5489404175160	548940	4175160	8.846802	8.846802	32.65738	32.65738	FALSE	44.8842989	8.846802	FALSE	735.60	280	0.03228	0.0000406
5489604175160	548960	4175160	8.830922	8.830922	33.54929	33.54929	FALSE	46.1101401	8.830922	FALSE	755.34	280	0.03228	0.0000406
5489804175160	548980	4175160	8.780562	8.780562	30.99359	30.99359	FALSE	42.5975873	8.780562	FALSE	775.09	280	0.03228	0.0000406
5490004175160	549000	4175160	8.827949	8.827949	36.00272	36.00272	FALSE	49.4821342	8.827949	FALSE	794.86	280	0.03228	0.0000406
5490204175160	549020	4175160	8.788864	8.788864	34.14067	34.14067	FALSE	46.92293	8.788864	FALSE	814.64	280	0.03228	0.0000406
5490404175160	549040	4175160	8.720358	8.720358	29.53096	29.53096	FALSE	40.5873459	8.720358	FALSE	834.43	280	0.03228	0.0000406
5490604175160	549060	4175160	8.654313	8.654313	25.13517	25.13517	FALSE	34.5457818	8.654313	FALSE	854.23	280	0.03228	0.0000406
5490804175160	549080	4175160	8.623186	8.623186	23.32274	23.32274	FALSE	32.0547725	8.623186	FALSE	874.03	280	0.03228	0.0000406
5491004175160	549100	4175160	8.600411	8.600411	22.22512	22.22512	FALSE	30.5462049	8.600411	FALSE	893.85	280	0.03228	0.0000406
5491204175160	549120	4175160	8.582795	8.582795	21.49686	21.49686	FALSE	29.5452899	8.582795	FALSE	913.68	280	0.03228	0.0000406
5469604175180	546960	4175180	8.269658	8.269658	7.140508	7.140508	FALSE	9.8139142	8.269658	FALSE	1258.11	280	0.03228	0.0000406
5469804175180	546980	4175180	8.266527	8.266527	6.964299	6.964299	FALSE	9.57173255	8.266527	FALSE	1238.17	280	0.03228	0.0000406
5470004175180	547000	4175180	8.263343	8.263343	6.744522	6.744522	FALSE	9.26967104	8.263343	FALSE	1218.23	280	0.03228	0.0000406
5470204175180	547020	4175180	8.260275	8.260275	6.480926	6.480926	FALSE	8.90738469	8.260275	FALSE	1198.30	280	0.03228	0.0000406
5470404175180	547040	4175180	8.262312	8.262312	6.508486	6.508486	FALSE	8.94526316	8.262312	FALSE	1178.37	280	0.03228	0.0000406
5470604175180	547060	4175180	8.2633	8.2633	6.50278	6.50278	FALSE	8.93742083	8.2633	FALSE	1158.45	280	0.03228	0.0000406
5470804175180	547080	4175180	8.265945	8.265945	6.564467	6.564467	FALSE	9.02220344	8.265945	FALSE	1138.52	280	0.03228	0.0000406
5471004175180	547100	4175180	8.271555	8.271555	6.725811	6.725811	FALSE	9.24395464	8.271555	FALSE	1118.60	280	0.03228	0.0000406
5471204175180	547120	4175180	8.283931	8.283931	7.033634	7.033634	FALSE	9.66702657	8.283931	FALSE	1098.68	280	0.03228	0.0000406
5471404175180	547140	4175180	8.318566	8.318566	7.7425	7.7425	FALSE	10.641292	8.318566	FALSE	1078.76	280	0.03228	0.0000406
5471604175180	547160	4175180	8.307616	8.307616	7.480471	7.480471	FALSE	10.2811593	8.307616	FALSE	1058.85	280	0.03228	0.0000406
5471804175180	547180	4175180	8.293617	8.293617	7.26009	7.26009	FALSE	9.9782677	8.293617	FALSE	1038.94	280	0.03228	0.0000406
5472004175180	547200	4175180	8.28514	8.28514	7.095902	7.095902	FALSE	9.75260771	8.28514	FALSE	1019.03	280	0.03228	0.0000406
5472204175180	547220	4175180	8.282656	8.282656	7.101675	7.101675	FALSE	9.76054212	8.282656	FALSE	999.13	280	0.03228	0.0000406
5472404175180	547240	4175180	8.281786	8.281786	7.084015	7.084015	FALSE	9.73627022	8.281786	FALSE	979.23	280	0.03228	0.0000406
5472604175180	547260	4175180	8.284364	8.284364	7.220189	7.220189	FALSE	9.92342776	8.284364	FALSE	959.34	280	0.03228	0.0000406
5472804175180	547280	4175180	8.284618	8.284618	7.144603	7.144603	FALSE	9.81954236	8.284618	FALSE	939.45	280	0.03228	0.0000406
5473004175180	547300	4175180	8.292617	8.292617	7.273058	7.273058	FALSE	9.99609092	8.292617	FALSE	919.56	280	0.03228	0.0000406
5473204175180	547320	4175180	8.289729	8.289729	7.182176	7.182176	FALSE	9.87118269	8.289729	FALSE	899.68	280	0.03228	0.0000406
5473404175180	547340	4175180	8.288572	8.288572	7.222462	7.222462	FALSE	9.92655177	8.288572	FALSE	879.81	280	0.03228	0.0000406
5473604175180	547360	4175180	8.281003	8.281003	7.075864	7.075864	FALSE	9.72506748	8.281003	FALSE	859.94	280	0.03228	0.0000406
5473804175180	547380	4175180	8.286107	8.286107	7.251728	7.251728	FALSE	9.96677496	8.286107	FALSE	840.08	280	0.03228	0.0000406
5474004175180	547400	4175180	8.283915	8.283915	7.172156	7.172156	FALSE	9.85741121	8.283915	FALSE	820.22	280	0.03228	0.0000406
5474204175180	547420	4175180	8.28319	8.28319	7.138839	7.138839	FALSE	9.81162032	8.28319	FALSE	800.37	280	0.03228	0.0000406
5474404175180	547440	4175180	8.284732	8.284732	7.181293	7.181293	FALSE	9.8699691	8.284732	FALSE	780.53	280	0.03228	0.0000406
5474604175180	547460	4175180	8.288877	8.288877	7.255115	7.255115	FALSE	9.97143006	8.288877	FALSE	760.70	280	0.03228	0.0000406
5474804175180	547480	4175180	8.29351	8.29351	7.33295	7.33295	FALSE	10.0784065	8.29351	FALSE	740.87	280	0.03228	0.0000406
5475004175180	547500	4175180	8.282702	8.282702	6.978327	6.978327	FALSE	9.59101263	8.282702	FALSE	721.06	280	0.03228	0.0000406
5475204175180	547520	4175180	8.273805	8.273805	6.669935	6.669935	FALSE	9.16715866	8.273805	FALSE	701.26	280	0.03228	0.0000406
5475404175180	547540	4175180	8.272252	8.272252	6.632291	6.632291	FALSE	9.11542075	8.272252	FALSE	681.46	280	0.03228	0.0000406
5475604175180	547560	4175180	8.272274	8.272274	6.640627	6.640627	FALSE	9.12687775	8.272274	FALSE	661.69	280	0.03228	0.0000406
5475804175180	547580	4175180	8.267972	8.267972	6.488277	6.488277	FALSE	8.91748791	8.267972	FALSE	641.92	280	0.03228	0.0000406

5476004175180	547600	4175180	8.270705	8.270705	6.596075	6.596075	FALSE	9.06564548	8.270705	FALSE	622.17	280	0.03228	0.0000406
5476204175180	547620	4175180	8.284619	8.284619	7.044872	7.044872	FALSE	9.68247208	8.284619	FALSE	602.43	280	0.03228	0.0000406
5476404175180	547640	4175180	8.298105	8.298105	7.420447	7.420447	FALSE	10.1986624	8.298105	FALSE	582.72	280	0.03228	0.0000406
5476604175180	547660	4175180	8.306944	8.306944	7.656736	7.656736	FALSE	10.523418	8.306944	FALSE	563.02	280	0.03228	0.0000406
5476804175180	547680	4175180	8.302577	8.302577	7.647618	7.647618	FALSE	10.5108862	8.302577	FALSE	543.35	280	0.03228	0.0000406
5477004175180	547700	4175180	8.299915	8.299915	7.68543	7.68543	FALSE	10.562855	8.299915	FALSE	523.70	280	0.03228	0.0000406
5477204175180	547720	4175180	8.299381	8.299381	7.753713	7.753713	FALSE	10.6567031	8.299381	FALSE	504.08	280	0.03228	0.0000406
5477404175180	547740	4175180	8.299695	8.299695	7.822471	7.822471	FALSE	10.7512041	8.299695	FALSE	484.49	280	0.03228	0.0000406
5477604175180	547760	4175180	8.300007	8.300007	7.873389	7.873389	FALSE	10.8211858	8.300007	FALSE	464.93	280	0.03228	0.0000406
5477804175180	547780	4175180	8.305167	8.305167	8.122363	8.122363	FALSE	11.1633757	8.305167	FALSE	445.41	280	0.03228	0.0000406
5478004175180	547800	4175180	8.313545	8.313545	8.480019	8.480019	FALSE	11.6549381	8.313545	FALSE	425.94	280	0.03228	0.0000406
5478204175180	547820	4175180	8.317338	8.317338	8.646042	8.646042	FALSE	11.8831201	8.317338	FALSE	406.52	280	0.03228	0.0000406
5478404175180	547840	4175180	8.33117	8.33117	9.098143	9.098143	FALSE	12.5044877	8.33117	FALSE	387.16	280	0.03228	0.0000406
5478604175180	547860	4175180	8.340875	8.340875	9.461621	9.461621	FALSE	13.0040519	8.340875	FALSE	367.87	280	0.03228	0.0000406
5478804175180	547880	4175180	8.352896	8.352896	9.874385	9.874385	FALSE	13.5713547	8.352896	FALSE	348.65	280	0.03228	0.0000406
5479004175180	547900	4175180	8.374794	8.374794	10.55092	10.55092	FALSE	14.501179	8.374794	FALSE	329.54	280	0.03228	0.0000406
5479204175180	547920	4175180	8.433256	8.433256	12.03392	12.03392	FALSE	16.5394128	8.433256	FALSE	310.53	280	0.03228	0.0000406
5479404175180	547940	4175180	8.440689	8.440689	12.39454	12.39454	FALSE	17.0350613	8.440689	FALSE	291.65	280	0.03228	0.0000406
5479604175180	547960	4175180	8.407388	8.407388	11.87702	11.87702	FALSE	16.3237749	8.407388	FALSE	272.93	260	0.04035	0.00005075
5479804175180	547980	4175180	8.397329	8.397329	11.71753	11.71753	FALSE	16.1045691	8.397329	FALSE	254.41	240	0.04842	0.0000609
5480004175180	548000	4175180	8.404266	8.404266	11.99018	11.99018	FALSE	16.4793006	8.404266	FALSE	236.14	220	0.05649	0.00007105
5480204175180	548020	4175180	8.423475	8.423475	12.57598	12.57598	FALSE	17.2844242	8.423475	FALSE	218.16	200	0.06456	0.0000812
5480404175180	548040	4175180	8.417437	8.417437	12.83551	12.83551	FALSE	17.6411304	8.417437	FALSE	200.57	200	0.06456	0.0000812
5480604175180	548060	4175180	8.419166	8.419166	13.26258	13.26258	FALSE	18.2280872	8.419166	FALSE	183.47	180	0.07263	0.00009135
5480804175180	548080	4175180	8.431059	8.431059	13.98788	13.98788	FALSE	19.2249409	8.431059	FALSE	167.01	160	0.0807	0.0001015
5481004175180	548100	4175180	8.448829	8.448829	14.90999	14.90999	FALSE	20.4922861	8.448829	FALSE	151.41	150	0.09684	0.0001218
5481204175180	548120	4175180	8.460639	8.460639	15.61009	15.61009	FALSE	21.4545104	8.460639	FALSE	136.97	130	0.12105	0.00015225
5481404175180	548140	4175180	8.472986	8.472986	16.31287	16.31287	FALSE	22.4204058	8.472986	FALSE	124.07	120	0.12912	0.0001624
5481604175180	548160	4175180	8.486159	8.486159	16.95968	16.95968	FALSE	23.3093801	8.486159	FALSE	113.25	110	0.14526	0.0001827
5481804175180	548180	4175180	8.530109	8.530109	18.93684	18.93684	FALSE	26.0267915	8.530109	FALSE	105.16	100	0.17754	0.0002233
5482004175180	548200	4175180	8.58413	8.58413	21.19714	21.19714	FALSE	29.1333533	8.58413	FALSE	100.46	100	0.17754	0.0002233
5482204175180	548220	4175180	8.584087	8.584087	22.22227	22.22227	FALSE	30.5422879	8.584087	FALSE	99.63	90	0.20175	0.00025375
5482404175180	548240	4175180	8.594476	8.594476	22.83694	22.83694	FALSE	31.3870848	8.594476	FALSE	102.76	100	0.17754	0.0002233
5482604175180	548260	4175180	8.617718	8.617718	23.58907	23.58907	FALSE	32.4208206	8.617718	FALSE	109.51	100	0.17754	0.0002233
5482804175180	548280	4175180	8.650309	8.650309	24.5899	24.5899	FALSE	33.7963544	8.650309	FALSE	119.27	110	0.14526	0.0001827
5483004175180	548300	4175180	8.688329	8.688329	25.74171	25.74171	FALSE	35.379409	8.688329	FALSE	131.37	130	0.12105	0.00015225
5483204175180	548320	4175180	8.777507	8.777507	28.82606	28.82606	FALSE	39.618541	8.777507	FALSE	145.23	140	0.11298	0.0001421
5483404175180	548340	4175180	8.803346	8.803346	30.69416	30.69416	FALSE	42.1860576	8.803346	FALSE	160.39	160	0.0807	0.0001015
5483604175180	548360	4175180	8.979021	8.979021	38.27108	38.27108	FALSE	52.5997765	8.979021	FALSE	176.52	160	0.0807	0.0001015
5483804175180	548380	4175180	8.808221	8.808221	30.33726	30.33726	FALSE	41.6955315	8.808221	FALSE	193.37	180	0.07263	0.00009135
5484004175180	548400	4175180	8.732029	8.732029	26.73235	26.73235	FALSE	36.740935	8.732029	FALSE	210.77	200	0.06456	0.0000812
5484204175180	548420	4175180	8.692663	8.692663	24.73219	24.73219	FALSE	33.9919192	8.692663	FALSE	228.60	220	0.05649	0.00007105
5484404175180	548440	4175180	8.685424	8.685424	23.99439	23.99439	FALSE	32.9778827	8.685424	FALSE	246.76	240	0.04842	0.0000609
5484604175180	548460	4175180	8.716802	8.716802	24.63464	24.63464	FALSE	33.8578506	8.716802	FALSE	265.19	260	0.04035	0.00005075
5484804175180	548480	4175180	8.775506	8.775506	26.12719	26.12719	FALSE	35.9092141	8.775506	FALSE	283.83	280	0.03228	0.0000406
5485004175180	548500	4175180	8.797149	8.797149	26.89895	26.89895	TRUE	36.969921	8.797149	TRUE	302.64	280	0.03228	0.0000406
5485204175180	548520	4175180	8.77318	8.77318	26.5768	26.5768	TRUE	36.5271539	8.77318	TRUE	321.60	280	0.03228	0.0000406
5485404175180	548540	4175180	8.800306	8.800306	27.67891	27.67891	TRUE	38.0418953	8.800306	TRUE	340.67	280	0.03228	0.0000406
5485604175180	548560	4175180	8.838375	8.838375	28.82457	28.82457	TRUE	39.6164918	8.838375	TRUE	359.85	280	0.03228	0.0000406
5485804175180	548580	4175180	8.901832	8.901832	30.62381	30.62381	TRUE	42.0893617	8.901832	TRUE	379.11	280	0.03228	0.0000406
5486004175180	548600	4175180	9.072881	9.072881	35.67516	35.67516	TRUE	49.031944	9.072881	TRUE	398.45	280	0.03228	0.0000406
5486204175180	548620	4175180	9.438783	9.438783	46.27965	46.27965	TRUE	63.6067537	9.438783	TRUE	417.84	280	0.03228	0.0000406
5486404175180	548640	4175180	9.694453	9.694453	52.80249	52.80249	FALSE	72.5717354	9.694453	FALSE	437.29	280	0.03228	0.0000406
5486604175180	548660	4175180	10.1715	10.1715	65.7513	65.7513	FALSE	90.3685895	10.171495	FALSE	456.79	280	0.03228	0.0000406
5486804175180	548680	4175180	10.39559	10.39559	70.56893	70.56893	TRUE	96.9899346	10.395588	TRUE	476.33	280	0.03228	0.0000406
5487004175180	548700	4175180	9.685508	9.685508	51.91785	51.91785	TRUE	71.3558958	9.685508	TRUE	495.91	280	0.03228	0.0000406
5487204175180	548720	4175180	9.400246	9.400246	44.11635	44.11635	TRUE	60.6335059	9.400246	TRUE	515.52	280	0.03228	0.0000406
5487404175180	548740	4175180	9.244557	9.244557	39.76182	39.76182	TRUE	54.6486399	9.244557	TRUE	535.16	280	0.03228	0.0000406
5487604175180	548760	4175180	9.139951	9.139951	36.79075	36.79075	TRUE	50.5652027	9.139951	TRUE	554.82	280	0.03228	0.0000406
5487804175180	548780	4175180	9.061649	9.061649	34.58892	34.58892	TRUE	47.5390116	9.061649	TRUE	574.51	280	0.03228	0.0000406
5488004175180	548800	4175180	9.000833	9.000833	32.92981	32.92981	TRUE	45.2587267	9.000833	TRUE	594.22	280	0.03228	0.0000406
5488204175180	548820	4175180	8.953155	8.953155	31.70144	31.70144	TRUE	43.5704578	8.953155	TRUE	613.94	280	0.03228	0.0000406
5488404175180	548840	4175180	8.926949	8.926949	31.40451	31.40451	TRUE	43.1623599	8.926949	TRUE	633.69	280	0.03228	0.0000406
5488604175180	548860	4175180	8.920581	8.920581	31.97244	31.97244	TRUE	43.9429215	8.920581	TRUE	653.45	280	0.03228	0.0000406
5488804175180	548880	4175180	8.952945	8.952945	34.4004	34.4004	TRUE	47.2799029	8.952945	TRUE	673.22	280	0.03228	0.0000406
5489004175180	548900	4175180	9.119857	9.119857	43.70483	43.70483	FALSE	60.0679225	9.119857	FALSE	693.01	280	0.03228	0.0000406
5489204175180	548920	4175180	9.112517	9.112517	44.96017	44.96017	FALSE	61.7932563	9.112517	FALSE	712.81	280	0.03228	0.0000406
5489404175180	548940	4175180	8.911137	8.911137	35.57069	35.57069	FALSE	48.8883495	8.911137	FALSE	732.61	280	0.03228	0.0000406
5489604175180	548960	4175180	8.917139	8.917139	38.44877	38.44877	FALSE	52.843995	8.917139	FALSE	752.43	280	0.03228	0.0000406
5489804175180	548980	4175180	8.830862	8.830862	33.37214	33.37214	FALSE	45.866672	8.830862	FALSE	772.26	280	0.03228	0.0000406
5490004175180	549000	4175180	8.786571	8.786571	31.21505	31.21505	FALSE	42.9019675	8.786571	FALSE	792.10	280	0.03228	0.0000406
5490204175180	549020	4175180	8.773716	8.773716	31.49856	31.49856	FALSE	43.2916167	8.773716	FALSE	811.95	280	0.03228	0.0000406
5490404175180	549040	4175180	8.726662	8.726662	28.75911	28.75911	FALSE	39.5265153	8.726662	FALSE	831.80	280	0.03228	0.0000406
5490604175180	549060	4175180	8.700444	8.700444	27.60057	27.60057	FALSE	37.9342179	8.700444	FALSE	851.66	280	0.03228	0.0000406
5490804175180	549080	4175180	8.663368	8.663368	25.17543	25.17543	FALSE	34.6011069	8.663368	FALSE	871.53	280	0.03228	0.0000406
5491004175180	549100	4175180	8.636222	8.636222	23.78404	23.78404	FALSE	32.6887805	8.636222	FALSE	891.40	280	0.03228	0.0000406
5491204175180	549120	4175180	8.616414	8.616414	22.94768	22.94768	FALSE	31.5392859	8.616414	FALSE	911.28	280	0.03228	0.0000406
5469604175200	546960	4175200	8.268739	8.268739	7.170398	7.170398	FALSE	9.85499501	8.268739	FALSE	1256.68	280	0.03228	0.0000406
5469804175200	546980	4175200	8.265984	8.265984	7.032694	7.032694	FALSE	9.66573463	8.265984	FALSE	1236.72	280	0.03228	0.0000406
5470004175200	547000	4175200	8.263144	8.263144	6.852915	6.852915	FALSE	9.41864638	8.263144	FALSE	1216.76	280	0.03228	0.0000406
5470204175200	547020	4175200	8.260492	8.260492	6.63903	6.63903	FALSE	9.12468283	8.260492	FALSE	1196.81	280	0.03228	0.0000406
5470404175200	547040	4175200	8.262152	8.262152	6.657045	6.657045	FALSE	9.14944265	8.262152	FALSE	1176.85	280	0.03228	0.0000406
5470604175200	547060	4175200	8.262472	8.262472	6.621612	6.621612	FALSE	9.10074353	8.262472	FALSE	1156.90	280	0.03228	0.0000406
5470804175200	547080	4175200	8.263742	8.263742	6.623402	6.623402	FALSE	9.10320371	8.263742	FALSE	1136.95	280	0.03228	0.0000406
5471004175200	547100	4175200	8.267305	8.267305	6.728945	6.728945	FALSE	9.24826201	8.267305	FALSE	1117.00	280	0.03228	0.0000406
5471204175200	547120	4175200	8.275195	8.275195	6.950349	6.950349	FALSE	9.55255967	8.275195	FALSE	1097.05	280	0.03228	0.0000406
5471404175200	547140	4175200	8.290777	8.290777	7.308471	7.308471	FALSE	10.0447625	8.290777	FALSE	1077.10	280	0.03228	0.0000406
5471604175200	547160	4175200	8.333422	8.333422	8.079376	8.079376	FALSE	11.1042944	8.333422	FALSE	1057.16	280	0.03228	0.0000406
5471804175200	547180	4175200	8.305331	8.305331	7.60131	7.60131	FALSE	10.4472405	8.305331	FALSE	1037.22	280	0.03228	0.0000406
5472004175200	547200	4175200	8.288592	8.288592	7.273709	7.273709	FALSE	9.99698565	8.288592	FALSE	1017.28	280	0.03228	0.0000406
5472204175200	547220	4175200	8.2828	8.2828	7.20548	7.20548	FALSE	9.90321171	8.2828	FALSE	997.34	280	0.03228	0.0000406
5472404175200	547240	4175200	8.279771	8.279771	7.142238	7.142238	FALSE	9.81629191	8.279771	FALSE	977.40	280	0.03228	0.0000406
5472604175200	547260	4175200	8.279527	8.279527	7.213255	7.213255	FALSE	9.91389767	8.279527	FALSE	957.47	280	0.03228	0.0000406
5472804175200	547280	4175200	8.277403	8.277403	7.069089	7.069089	FALSE	9.71575592	8.277403	FALSE	937.54	280	0.03228	0.0000406

5473004175200	547300	4175200	8.279261	8.279261	7.041036	7.041036	FALSE	9.67719988	8.279261	FALSE	917.61	280	0.03228	0.0000406
5473204175200	547320	4175200	8.286351	8.286351	7.188748	7.188748	FALSE	9.88021525	8.286351	FALSE	897.69	280	0.03228	0.0000406
5473404175200	547340	4175200	8.293527	8.293527	7.421635	7.421635	FALSE	10.2002951	8.293527	FALSE	877.77	280	0.03228	0.0000406
5473604175200	547360	4175200	8.295854	8.295854	7.510365	7.510365	FALSE	10.3222457	8.295854	FALSE	857.86	280	0.03228	0.0000406
5473804175200	547380	4175200	8.2955	8.2955	7.556259	7.556259	FALSE	10.3853224	8.2955	FALSE	837.94	280	0.03228	0.0000406
5474004175200	547400	4175200	8.290436	8.290436	7.419998	7.419998	FALSE	10.1980453	8.290436	FALSE	818.04	280	0.03228	0.0000406
5474204175200	547420	4175200	8.287839	8.287839	7.345342	7.345342	FALSE	10.095438	8.287839	FALSE	798.13	280	0.03228	0.0000406
5474404175200	547440	4175200	8.288585	8.288585	7.371168	7.371168	FALSE	10.1309333	8.288585	FALSE	778.23	280	0.03228	0.0000406
5474604175200	547460	4175200	8.292838	8.292838	7.462318	7.462318	FALSE	10.2562099	8.292838	FALSE	758.34	280	0.03228	0.0000406
5474804175200	547480	4175200	8.298004	8.298004	7.568717	7.568717	FALSE	10.4024446	8.298004	FALSE	738.46	280	0.03228	0.0000406
5475004175200	547500	4175200	8.288225	8.288225	7.261337	7.261337	FALSE	9.97998157	8.288225	FALSE	718.57	280	0.03228	0.0000406
5475204175200	547520	4175200	8.279319	8.279319	6.954815	6.954815	FALSE	9.55869774	8.279319	FALSE	698.70	280	0.03228	0.0000406
5475404175200	547540	4175200	8.277852	8.277852	6.920805	6.920805	FALSE	9.51195439	8.277852	FALSE	678.83	280	0.03228	0.0000406
5475604175200	547560	4175200	8.277414	8.277414	6.913323	6.913323	FALSE	9.50167113	8.277414	FALSE	658.98	280	0.03228	0.0000406
5475804175200	547580	4175200	8.272754	8.272754	6.74684	6.74684	FALSE	9.2728569	8.272754	FALSE	639.13	280	0.03228	0.0000406
5476004175200	547600	4175200	8.275939	8.275939	6.867223	6.867223	FALSE	9.43831129	8.275939	FALSE	619.29	280	0.03228	0.0000406
5476204175200	547620	4175200	8.290593	8.290593	7.344659	7.344659	FALSE	10.0944993	8.290593	FALSE	599.46	280	0.03228	0.0000406
5476404175200	547640	4175200	8.303612	8.303612	7.700153	7.700153	FALSE	10.5830903	8.303612	FALSE	579.64	280	0.03228	0.0000406
5476604175200	547660	4175200	8.312684	8.312684	7.927051	7.927051	FALSE	10.8949389	8.312684	FALSE	559.84	280	0.03228	0.0000406
5476804175200	547680	4175200	8.306069	8.306069	7.860976	7.860976	FALSE	10.8041254	8.306069	FALSE	540.05	280	0.03228	0.0000406
5477004175200	547700	4175200	8.302331	8.302331	7.861306	7.861306	FALSE	10.804579	8.302331	FALSE	520.27	280	0.03228	0.0000406
5477204175200	547720	4175200	8.301965	8.301965	7.938725	7.938725	FALSE	10.9109836	8.301965	FALSE	500.52	280	0.03228	0.0000406
5477404175200	547740	4175200	8.303551	8.303551	8.060984	8.060984	FALSE	11.0790164	8.303551	FALSE	480.78	280	0.03228	0.0000406
5477604175200	547760	4175200	8.305264	8.305264	8.168328	8.168328	FALSE	11.22655	8.305264	FALSE	461.07	280	0.03228	0.0000406
5477804175200	547780	4175200	8.312226	8.312226	8.492077	8.492077	FALSE	11.6715106	8.312226	FALSE	441.38	280	0.03228	0.0000406
5478004175200	547800	4175200	8.322879	8.322879	8.947663	8.947663	FALSE	12.297668	8.322879	FALSE	421.72	280	0.03228	0.0000406
5478204175200	547820	4175200	8.325533	8.325533	9.070062	9.070062	FALSE	12.4658932	8.325533	FALSE	402.10	280	0.03228	0.0000406
5478404175200	547840	4175200	8.337548	8.337548	9.45776	9.45776	FALSE	12.9987453	8.337548	FALSE	382.51	280	0.03228	0.0000406
5478604175200	547860	4175200	8.344532	8.344532	9.728665	9.728665	FALSE	13.3710772	8.344532	FALSE	362.97	280	0.03228	0.0000406
5478804175200	547880	4175200	8.355387	8.355387	10.11209	10.11209	FALSE	13.898051	8.355387	FALSE	343.48	280	0.03228	0.0000406
5479004175200	547900	4175200	8.37943	8.37943	10.88551	10.88551	FALSE	14.9610408	8.37943	FALSE	324.06	280	0.03228	0.0000406
5479204175200	547920	4175200	8.437029	8.437029	12.46104	12.46104	FALSE	17.1264506	8.437029	FALSE	304.71	280	0.03228	0.0000406
5479404175200	547940	4175200	8.443268	8.443268	12.84279	12.84279	FALSE	17.6511265	8.443268	FALSE	285.45	280	0.03228	0.0000406
5479604175200	547960	4175200	8.422862	8.422862	12.64688	12.64688	FALSE	17.3818705	8.422862	FALSE	266.30	260	0.04035	0.00005075
5479804175200	547980	4175200	8.418308	8.418308	12.70442	12.70442	FALSE	17.4609535	8.418308	FALSE	247.28	240	0.04842	0.0000609
5480004175200	548000	4175200	8.429323	8.429323	13.16177	13.16177	FALSE	18.0895353	8.429323	FALSE	228.43	220	0.05649	0.00007105
5480204175200	548020	4175200	8.428927	8.428927	13.49279	13.49279	FALSE	18.5444892	8.428927	FALSE	209.80	200	0.06456	0.0000812
5480404175200	548040	4175200	8.446734	8.446734	14.22879	14.22879	FALSE	19.5560449	8.446734	FALSE	191.44	180	0.07263	0.00009135
5480604175200	548060	4175200	8.452382	8.452382	14.83909	14.83909	FALSE	20.3948467	8.452382	FALSE	173.44	160	0.0807	0.0001015
5480804175200	548080	4175200	8.468645	8.468645	15.77298	15.77298	FALSE	21.6783878	8.468645	FALSE	155.93	150	0.09684	0.0001218
5481004175200	548100	4175200	8.491642	8.491642	16.95048	16.95048	FALSE	23.296737	8.491642	FALSE	139.10	130	0.12105	0.00015225
5481204175200	548120	4175200	8.509051	8.509051	17.93949	17.93949	FALSE	24.6560323	8.509051	FALSE	123.21	120	0.12912	0.0001624
5481404175200	548140	4175200	8.530982	8.530982	19.13606	19.13606	FALSE	26.3005981	8.530982	FALSE	108.69	100	0.17754	0.0002233
5481604175200	548160	4175200	8.557908	8.557908	20.56886	20.56886	FALSE	28.2698439	8.557908	FALSE	96.17	90	0.20175	0.00025375
5481804175200	548180	4175200	8.609718	8.609718	23.45689	23.45689	FALSE	32.2391455	8.609718	FALSE	86.49	80	0.22596	0.0002842
5482004175200	548200	4175200	8.680176	8.680176	27.77995	27.77995	FALSE	38.1807633	8.680176	FALSE	80.71	80	0.22596	0.0002842
5482204175200	548220	4175200	8.688444	8.688444	30.77453	30.77453	FALSE	42.2965195	8.688444	FALSE	79.67	70	0.25017	0.00031465
5482404175200	548240	4175200	8.719352	8.719352	31.01226	31.01226	FALSE	42.6232556	8.719352	FALSE	83.55	80	0.22596	0.0002842
5482604175200	548260	4175200	8.77121	8.77121	31.7492	31.7492	FALSE	43.636095	8.77121	FALSE	91.73	90	0.20175	0.00025375
5482804175200	548280	4175200	8.853019	8.853019	34.01009	34.01009	FALSE	46.7434622	8.853019	FALSE	103.19	100	0.17754	0.0002233
5483004175200	548300	4175200	8.898512	8.898512	35.53467	35.53467	FALSE	48.8388546	8.898512	FALSE	116.97	110	0.14526	0.0001827
5483204175200	548320	4175200	9.012926	9.012926	39.82609	39.82609	FALSE	54.7369767	9.012926	FALSE	132.34	130	0.12105	0.00015225
5483404175200	548340	4175200	9.015661	9.015661	39.64223	39.64223	FALSE	54.4842864	9.015661	FALSE	148.82	140	0.11298	0.0001421
5483604175200	548360	4175200	8.895947	8.895947	33.87269	33.87269	FALSE	46.554621	8.895947	FALSE	166.07	160	0.0807	0.0001015
5483804175200	548380	4175200	8.847217	8.847217	31.26743	31.26743	FALSE	42.9739572	8.847217	FALSE	183.89	180	0.07263	0.00009135
5484004175200	548400	4175200	8.816154	8.816154	29.5429	29.5429	FALSE	40.603759	8.816154	FALSE	202.11	200	0.06456	0.0000812
5484204175200	548420	4175200	8.791863	8.791863	28.24547	28.24547	FALSE	38.8205671	8.791863	FALSE	220.64	220	0.05649	0.00007105
5484404175200	548440	4175200	8.778973	8.778973	27.44269	27.44269	FALSE	37.7172331	8.778973	FALSE	239.40	220	0.05649	0.00007105
5484604175200	548460	4175200	8.819843	8.819843	28.61168	28.61168	FALSE	39.3238902	8.819843	FALSE	258.35	240	0.04842	0.0000609
5484804175200	548480	4175200	8.878904	8.878904	30.71147	30.71147	FALSE	42.2098416	8.878904	FALSE	277.45	260	0.04035	0.00005075
5485004175200	548500	4175200	8.913098	8.913098	32.74702	32.74702	FALSE	45.0075015	8.913098	FALSE	296.67	280	0.03228	0.0000406
5485204175200	548520	4175200	8.933104	8.933104	34.21993	34.21993	TRUE	47.0318663	8.933104	TRUE	315.99	280	0.03228	0.0000406
5485404175200	548540	4175200	8.952694	8.952694	35.55553	35.55553	TRUE	48.8675204	8.952694	TRUE	335.38	280	0.03228	0.0000406
5485604175200	548560	4175200	8.973828	8.973828	36.09287	36.09287	TRUE	49.6060433	8.973828	TRUE	354.84	280	0.03228	0.0000406
5485804175200	548580	4175200	9.01436	9.01436	36.9098	36.9098	TRUE	50.7288291	9.01436	TRUE	374.36	280	0.03228	0.0000406
5486004175200	548600	4175200	9.162792	9.162792	41.08558	41.08558	TRUE	56.4680239	9.162792	TRUE	393.93	280	0.03228	0.0000406
5486204175200	548620	4175200	9.450909	9.450909	49.09293	49.09293	TRUE	67.4733244	9.450909	TRUE	413.54	280	0.03228	0.0000406
5486404175200	548640	4175200	10.18464	10.18464	68.50361	68.50361	FALSE	94.1513547	10.184637	FALSE	433.18	280	0.03228	0.0000406
5486604175200	548660	4175200	10.79175	10.79175	83.13952	83.13952	FALSE	114.266952	10.79175	FALSE	452.86	280	0.03228	0.0000406
5486804175200	548680	4175200	10.42474	10.42474	72.20626	72.20626	FALSE	99.2402824	10.424737	FALSE	472.56	280	0.03228	0.0000406
5487004175200	548700	4175200	9.786178	9.786178	55.90956	55.90956	TRUE	76.8420979	9.786178	TRUE	492.29	280	0.03228	0.0000406
5487204175200	548720	4175200	9.505408	9.505408	48.31684	48.31684	TRUE	66.4066704	9.505408	TRUE	512.04	280	0.03228	0.0000406
5487404175200	548740	4175200	9.343318	9.343318	43.47114	43.47114	TRUE	59.7467403	9.343318	TRUE	531.80	280	0.03228	0.0000406
5487604175200	548760	4175200	9.225439	9.225439	39.86861	39.86861	TRUE	54.7954121	9.225439	TRUE	551.59	280	0.03228	0.0000406
5487804175200	548780	4175200	9.13719	9.13719	37.2527	37.2527	TRUE	51.200115	9.13719	TRUE	571.38	280	0.03228	0.0000406
5488004175200	548800	4175200	9.069048	9.069048	35.28736	35.28736	TRUE	48.4989462	9.069048	TRUE	591.20	280	0.03228	0.0000406
5488204175200	548820	4175200	9.013959	9.013959	33.74304	33.74304	TRUE	46.3764314	9.013959	TRUE	611.02	280	0.03228	0.0000406
5488404175200	548840	4175200	8.977189	8.977189	32.95484	32.95484	TRUE	45.2931376	8.977189	TRUE	630.86	280	0.03228	0.0000406
5488604175200	548860	4175200	8.957919	8.957919	32.91742	32.91742	TRUE	45.2417062	8.957919	TRUE	650.70	280	0.03228	0.0000406
5488804175200	548880	4175200	8.963774	8.963774	34.0505	34.0505	TRUE	46.7990113	8.963774	TRUE	670.56	280	0.03228	0.0000406
5489004175200	548900	4175200	9.030084	9.030084	38.27259	38.27259	TRUE	52.6018436	9.030084	TRUE	690.42	280	0.03228	0.0000406
5489204175200	548920	4175200	9.16582	9.16582	46.2899	46.2899	FALSE	63.6208331	9.16582	FALSE	710.29	280	0.03228	0.0000406
5489404175200	548940	4175200	9.036525	9.036525	40.76273	40.76273	FALSE	56.0242934	9.036525	FALSE	730.17	280	0.03228	0.0000406
5489604175200	548960	4175200	8.923701	8.923701	35.65222	35.65222	FALSE	49.0004057	8.923701	FALSE	750.05	280	0.03228	0.0000406
5489804175200	548980	4175200	8.86245	8.86245	32.96144	32.96144	FALSE	45.3022018	8.86245	FALSE	769.94	280	0.03228	0.0000406
5490004175200	549000	4175200	8.823495	8.823495	31.53681	31.53681	FALSE	43.3441848	8.823495	FALSE	789.84	280	0.03228	0.0000406
5490204175200	549020	4175200	8.800241	8.800241	31.2929	31.2929	FALSE	43.0089604	8.800241	FALSE	809.74	280	0.03228	0.0000406
5490404175200	549040	4175200	8.771712	8.771712	30.28766	30.28766	FALSE	41.6273654	8.771712	FALSE	829.65	280	0.03228	0.0000406
5490604175200	549060	4175200	8.767594	8.767594	31.09233	31.09233	FALSE	42.7332915	8.767594	FALSE	849.56	280	0.03228	0.0000406
5490804175200	549080	4175200	8.713537	8.713537	27.52202	27.52202	FALSE	37.8262643	8.713537	FALSE	869.47	280	0.03228	0.0000406
5491004175200	549100	4175200	8.683408	8.683408	25.81366	25.81366	FALSE	35.4782888	8.683408	FALSE	889.39	280	0.03228	0.0000406
5491204175200	549120	4175200	8.66008	8.66008	24.84174	24.84174	FALSE	34.1424806	8.66008	FALSE	909.31	280	0.03228	0.0000406
5469604175220	546960	4175220	8.268097	8.268097	7.179732	7.179732	FALSE	9.86782366	8.268097	FALSE	1255.58	280	0.03228	0.0000406
5469804175220	546980	4175220	8.265244	8.265244	7.041236	7.041236	FALSE	9.67747476	8.265244	FALSE	1235.60	280	0.03228	0.0000406

5470004175220	547000	4175220	8.262918	8.262918	6.918084	6.918084	FALSE	9.50821465	8.262918	FALSE	1215.62	280	0.03228	0.0000406
5470204175220	547020	4175220	8.261557	8.261557	6.82604	6.82604	FALSE	9.38170938	8.261557	FALSE	1195.65	280	0.03228	0.0000406
5470404175220	547040	4175220	8.262906	8.262906	6.83739	6.83739	FALSE	9.39730882	8.262906	FALSE	1175.67	280	0.03228	0.0000406
5470604175220	547060	4175220	8.262675	8.262675	6.777199	6.777199	FALSE	9.31458231	8.262675	FALSE	1155.70	280	0.03228	0.0000406
5470804175220	547080	4175220	8.263001	8.263001	6.731146	6.731146	FALSE	9.25128706	8.263001	FALSE	1135.73	280	0.03228	0.0000406
5471004175220	547100	4175220	8.265476	8.265476	6.811314	6.811314	FALSE	9.36146996	8.265476	FALSE	1115.75	280	0.03228	0.0000406
5471204175220	547120	4175220	8.270765	8.270765	6.96475	6.96475	FALSE	9.5723524	8.270765	FALSE	1095.78	280	0.03228	0.0000406
5471404175220	547140	4175220	8.279467	8.279467	7.167968	7.167968	FALSE	9.85165522	8.279467	FALSE	1075.81	280	0.03228	0.0000406
5471604175220	547160	4175220	8.300598	8.300598	7.55518	7.55518	FALSE	10.3838394	8.300598	FALSE	1055.84	280	0.03228	0.0000406
5471804175220	547180	4175220	8.326826	8.326826	8.110952	8.110952	FALSE	11.1476924	8.326826	FALSE	1035.88	280	0.03228	0.0000406
5472004175220	547200	4175220	8.294937	8.294937	7.503827	7.503827	FALSE	10.3132598	8.294937	FALSE	1015.91	280	0.03228	0.0000406
5472204175220	547220	4175220	8.284421	8.284421	7.335203	7.335203	FALSE	10.081503	8.284421	FALSE	995.94	280	0.03228	0.0000406
5472404175220	547240	4175220	8.279744	8.279744	7.24007	7.24007	FALSE	9.95075221	8.279744	FALSE	975.98	280	0.03228	0.0000406
5472604175220	547260	4175220	8.278056	8.278056	7.281101	7.281101	FALSE	10.0071452	8.278056	FALSE	956.02	280	0.03228	0.0000406
5472804175220	547280	4175220	8.274713	8.274713	7.106213	7.106213	FALSE	9.76677915	8.274713	FALSE	936.06	280	0.03228	0.0000406
5473004175220	547300	4175220	8.27562	8.27562	7.053561	7.053561	FALSE	9.69441424	8.27562	FALSE	916.10	280	0.03228	0.0000406
5473204175220	547320	4175220	8.279343	8.279343	7.126473	7.126473	FALSE	9.79462449	8.279343	FALSE	896.14	280	0.03228	0.0000406
5473404175220	547340	4175220	8.288916	8.288916	7.38956	7.38956	FALSE	10.1562113	8.288916	FALSE	876.19	280	0.03228	0.0000406
5473604175220	547360	4175220	8.305853	8.305853	7.819975	7.819975	FALSE	10.7477736	8.305853	FALSE	856.23	280	0.03228	0.0000406
5473804175220	547380	4175220	8.308713	8.308713	7.945552	7.945552	FALSE	10.9203667	8.308713	FALSE	836.28	280	0.03228	0.0000406
5474004175220	547400	4175220	8.304109	8.304109	7.841648	7.841648	FALSE	10.777561	8.304109	FALSE	816.34	280	0.03228	0.0000406
5474204175220	547420	4175220	8.295812	8.295812	7.651821	7.651821	FALSE	10.5166628	8.295812	FALSE	796.39	280	0.03228	0.0000406
5474404175220	547440	4175220	8.295787	8.295787	7.683676	7.683676	FALSE	10.5604443	8.295787	FALSE	776.45	280	0.03228	0.0000406
5474604175220	547460	4175220	8.299546	8.299546	7.76491	7.76491	FALSE	10.6720923	8.299546	FALSE	756.51	280	0.03228	0.0000406
5474804175220	547480	4175220	8.305695	8.305695	7.892255	7.892255	FALSE	10.8471153	8.305695	FALSE	736.57	280	0.03228	0.0000406
5475004175220	547500	4175220	8.294929	8.294929	7.572876	7.572876	FALSE	10.4081608	8.294929	FALSE	716.64	280	0.03228	0.0000406
5475204175220	547520	4175220	8.285406	8.285406	7.237047	7.237047	FALSE	9.9465974	8.285406	FALSE	696.71	280	0.03228	0.0000406
5475404175220	547540	4175220	8.283713	8.283713	7.192063	7.192063	FALSE	9.88477139	8.283713	FALSE	676.78	280	0.03228	0.0000406
5475604175220	547560	4175220	8.284256	8.284256	7.226259	7.226259	FALSE	9.93177037	8.284256	FALSE	656.86	280	0.03228	0.0000406
5475804175220	547580	4175220	8.279589	8.279589	7.067862	7.067862	FALSE	9.71406953	8.279589	FALSE	636.95	280	0.03228	0.0000406
5476004175220	547600	4175220	8.283377	8.283377	7.215194	7.215194	FALSE	9.91656263	8.283377	FALSE	617.04	280	0.03228	0.0000406
5476204175220	547620	4175220	8.299003	8.299003	7.731023	7.731023	FALSE	10.625518	8.299003	FALSE	597.14	280	0.03228	0.0000406
5476404175220	547640	4175220	8.312339	8.312339	8.095644	8.095644	FALSE	11.1266531	8.312339	FALSE	577.24	280	0.03228	0.0000406
5476604175220	547660	4175220	8.309239	8.309239	8.078778	8.078778	FALSE	11.1034725	8.309239	FALSE	557.35	280	0.03228	0.0000406
5476804175220	547680	4175220	8.311042	8.311042	8.12167	8.12167	FALSE	11.1624232	8.311042	FALSE	537.47	280	0.03228	0.0000406
5477004175220	547700	4175220	8.307489	8.307489	8.13344	8.13344	FALSE	11.1785999	8.307489	FALSE	517.59	280	0.03228	0.0000406
5477204175220	547720	4175220	8.308767	8.308767	8.279693	8.279693	FALSE	11.3796101	8.308767	FALSE	497.73	280	0.03228	0.0000406
5477404175220	547740	4175220	8.313742	8.313742	8.540547	8.540547	FALSE	11.7381278	8.313742	FALSE	477.88	280	0.03228	0.0000406
5477604175220	547760	4175220	8.318824	8.318824	8.787768	8.787768	FALSE	12.0779083	8.318824	FALSE	458.04	280	0.03228	0.0000406
5477804175220	547780	4175220	8.32821	8.32821	9.219032	9.219032	FALSE	12.6706376	8.32821	FALSE	438.22	280	0.03228	0.0000406
5478004175220	547800	4175220	8.340741	8.340741	9.766466	9.766466	FALSE	13.4230309	8.340741	FALSE	418.41	280	0.03228	0.0000406
5478204175220	547820	4175220	8.343383	8.343383	9.881837	9.881837	FALSE	13.5815968	8.343383	FALSE	398.63	280	0.03228	0.0000406
5478404175220	547840	4175220	8.352916	8.352916	10.16329	10.16329	FALSE	13.9684258	8.352916	FALSE	378.86	280	0.03228	0.0000406
5478604175220	547860	4175220	8.352639	8.352639	10.16458	10.16458	FALSE	13.9702029	8.352639	FALSE	359.12	280	0.03228	0.0000406
5478804175220	547880	4175220	8.359802	8.359802	10.42719	10.42719	FALSE	14.3311327	8.359802	FALSE	339.42	280	0.03228	0.0000406
5479004175220	547900	4175220	8.382971	8.382971	11.19599	11.19599	FALSE	15.3877687	8.382971	FALSE	319.74	280	0.03228	0.0000406
5479204175220	547920	4175220	8.43329	8.43329	12.70728	12.70728	FALSE	17.4648911	8.43329	FALSE	300.12	280	0.03228	0.0000406
5479404175220	547940	4175220	8.446371	8.446371	13.29316	13.29316	FALSE	18.2701232	8.446371	FALSE	280.54	280	0.03228	0.0000406
5479604175220	547960	4175220	8.441674	8.441674	13.57122	13.57122	FALSE	18.6522779	8.441674	FALSE	261.03	260	0.04035	0.00005075
5479804175220	547980	4175220	8.452585	8.452585	14.20663	14.20663	FALSE	19.5255854	8.452585	FALSE	241.60	240	0.04842	0.0000609
5480004175220	548000	4175220	8.46859	8.46859	14.88033	14.88033	FALSE	20.4515256	8.46859	FALSE	222.27	220	0.05649	0.00007105
5480204175220	548020	4175220	8.470426	8.470426	15.35621	15.35621	FALSE	21.1055695	8.470426	FALSE	203.07	200	0.06456	0.0000812
5480404175220	548040	4175220	8.488525	8.488525	16.15674	16.15674	FALSE	22.2058276	8.488525	FALSE	184.04	180	0.07263	0.00009135
5480604175220	548060	4175220	8.500642	8.500642	17.05948	17.05948	FALSE	23.4465452	8.500642	FALSE	165.24	160	0.0807	0.0001015
5480804175220	548080	4175220	8.521493	8.521493	18.22479	18.22479	FALSE	25.0481486	8.521493	FALSE	146.75	140	0.11298	0.0001421
5481004175220	548100	4175220	8.547937	8.547937	19.60533	19.60533	FALSE	26.9455669	8.547937	FALSE	128.72	120	0.12912	0.0001624
5481204175220	548120	4175220	8.579991	8.579991	21.25308	21.25308	FALSE	29.2102304	8.579991	FALSE	111.37	110	0.14526	0.0001827
5481404175220	548140	4175220	8.616858	8.616858	23.15999	23.15999	FALSE	31.8310834	8.616858	FALSE	95.06	90	0.20175	0.00025375
5481604175220	548160	4175220	8.660455	8.660455	25.4349	25.4349	FALSE	34.9577252	8.660455	FALSE	80.43	80	0.22596	0.0002842
5481804175220	548180	4175220	8.735125	8.735125	29.54659	29.54659	FALSE	40.6088333	8.735125	FALSE	68.58	60	0.33087	0.00041615
5482004175220	548200	4175220	8.780839	8.780839	35.6744	35.6744	FALSE	49.0308899	8.780839	FALSE	61.12	60	0.33087	0.00041615
5482204175220	548220	4175220	8.880597	8.880597	34.66301	34.66301	FALSE	47.6408464	8.880597	FALSE	59.74	50	0.4035	0.0005075
5482404175220	548240	4175220	8.998788	8.998788	49.57333	49.57333	FALSE	68.1335889	8.998788	FALSE	64.83	60	0.33087	0.00041615
5482604175220	548260	4175220	9.160687	9.160687	50.52218	50.52218	FALSE	69.4376897	9.160687	FALSE	75.07	70	0.25017	0.00031465
5482804175220	548280	4175220	9.162017	9.162017	48.29526	48.29526	FALSE	66.3769998	9.162017	FALSE	88.71	80	0.22596	0.0002842
5483004175220	548300	4175220	9.411547	9.411547	58.28594	58.28594	FALSE	80.1081973	9.411547	FALSE	104.42	100	0.17754	0.0002233
5483204175220	548320	4175220	9.502024	9.502024	61.35324	61.35324	FALSE	84.3238944	9.502024	FALSE	121.39	120	0.12912	0.0001624
5483404175220	548340	4175220	9.354858	9.354858	53.42029	53.42029	FALSE	73.4208425	9.354858	FALSE	139.17	130	0.12105	0.00015225
5483604175220	548360	4175220	9.017099	9.017099	39.52919	39.52919	FALSE	54.3289201	9.017099	FALSE	157.49	150	0.09684	0.0001218
5483804175220	548380	4175220	8.966809	8.966809	36.98217	36.98217	FALSE	50.8282999	8.966809	FALSE	176.17	160	0.0807	0.0001015
5484004175220	548400	4175220	8.954829	8.954829	36.00446	36.00446	FALSE	49.4845257	8.954829	FALSE	195.11	180	0.07263	0.00009135
5484204175220	548420	4175220	8.952483	8.952483	35.49126	35.49126	FALSE	48.7791822	8.952483	FALSE	214.25	200	0.06456	0.0000812
5484404175220	548440	4175220	8.956279	8.956279	35.19175	35.19175	FALSE	48.3675439	8.956279	FALSE	233.53	220	0.05649	0.00007105
5484604175220	548460	4175220	9.031835	9.031835	37.79837	37.79837	FALSE	51.9500825	9.031835	FALSE	252.92	240	0.04842	0.0000609
5484804175220	548480	4175220	9.117309	9.117309	41.17034	41.17034	FALSE	56.5845208	9.117309	FALSE	272.40	260	0.04035	0.00005075
5485004175220	548500	4175220	9.282245	9.282245	48.437	48.437	FALSE	66.5718114	9.282245	FALSE	291.95	280	0.03228	0.0000406
5485204175220	548520	4175220	9.493286	9.493286	61.88026	61.88026	FALSE	85.0482252	9.493286	FALSE	311.56	280	0.03228	0.0000406
5485404175220	548540	4175220	9.391486	9.391486	57.70593	57.70593	FALSE	79.3110274	9.391486	FALSE	331.21	280	0.03228	0.0000406
5485604175220	548560	4175220	9.353632	9.353632	54.87629	54.87629	FALSE	75.4219702	9.353632	FALSE	350.91	280	0.03228	0.0000406
5485804175220	548580	4175220	9.340166	9.340166	53.19864	53.19864	FALSE	73.1162067	9.340166	FALSE	370.63	280	0.03228	0.0000406
5486004175220	548600	4175220	9.48225	9.48225	57.35908	57.35908	FALSE	78.8343196	9.48225	FALSE	390.39	280	0.03228	0.0000406
5486204175220	548620	4175220	9.68905	9.68905	62.31534	62.31534	FALSE	85.6462019	9.68905	FALSE	410.16	280	0.03228	0.0000406
5486404175220	548640	4175220	9.821427	9.821427	60.05463	60.05463	FALSE	82.5390793	9.821427	FALSE	429.96	280	0.03228	0.0000406
5486604175220	548660	4175220	10.02678	10.02678	63.1816	63.1816	FALSE	86.8367855	10.026775	FALSE	449.78	280	0.03228	0.0000406
5486804175220	548680	4175220	10.01511	10.01511	62.57007	62.57007	FALSE	85.9962987	10.015112	FALSE	469.61	280	0.03228	0.0000406
5487004175220	548700	4175220	9.88078	9.88078	62.36224	62.36224	FALSE	85.7106627	9.88078	FALSE	489.46	280	0.03228	0.0000406
5487204175220	548720	4175220	9.806444	9.806444	60.65789	60.65789	FALSE	83.3681999	9.806444	FALSE	509.31	280	0.03228	0.0000406
5487404175220	548740	4175220	9.582032	9.582032	52.4058	52.4058	FALSE	72.0265301	9.582032	FALSE	529.18	280	0.03228	0.0000406
5487604175220	548760	4175220	9.379859	9.379859	46.04295	46.04295	FALSE	63.2814236	9.379859	FALSE	549.06	280	0.03228	0.0000406
5487804175220	548780	4175220	9.327885	9.327885	44.18604	44.18604	FALSE	60.7292975	9.327885	FALSE	568.95	280	0.03228	0.0000406
5488004175220	548800	4175220	9.263204	9.263204	42.23332	42.23332	FALSE	58.045475	9.263204	FALSE	588.84	280	0.03228	0.0000406
5488204175220	548820	4175220	9.135255	9.135255	38.48434	38.48434	FALSE	52.8928714	9.135255	FALSE	608.74	280	0.03228	0.0000406
5488404175220	548840	4175220	9.149239	9.149239	38.96705	38.96705	FALSE	53.556319	9.149239	FALSE	628.65	280	0.03228	0.0000406
5488604175220	548860	4175220	9.059818	9.059818	36.7921	36.7921	FALSE	50.5670554	9.059818	FALSE	648.56	280	0.03228	0.0000406

5488804175220	548880	4175220	9.050242	9.050242	37.06266	37.06266	FALSE	50.9389172	9.050242	FALSE	668.48	280	0.03228	0.0000406
5489004175220	548900	4175220	9.13318	9.13318	40.55623	40.55623	FALSE	55.7404825	9.13318	FALSE	688.40	280	0.03228	0.0000406
5489204175220	548920	4175220	9.154398	9.154398	43.36597	43.36597	FALSE	59.6021905	9.154398	FALSE	708.33	280	0.03228	0.0000406
5489404175220	548940	4175220	9.128969	9.128969	42.06532	42.06532	FALSE	57.8145717	9.128969	FALSE	728.26	280	0.03228	0.0000406
5489604175220	548960	4175220	9.069803	9.069803	39.75529	39.75529	FALSE	54.6396692	9.069803	FALSE	748.20	280	0.03228	0.0000406
5489804175220	548980	4175220	9.123456	9.123456	43.02892	43.02892	FALSE	59.138949	9.123456	FALSE	768.14	280	0.03228	0.0000406
5490004175220	549000	4175220	9.016558	9.016558	38.86157	38.86157	FALSE	53.4113404	9.016558	FALSE	788.08	280	0.03228	0.0000406
5490204175220	549020	4175220	8.943194	8.943194	36.37329	36.37329	FALSE	49.9914525	8.943194	FALSE	808.02	280	0.03228	0.0000406
5490404175220	549040	4175220	8.91274	8.91274	36.53421	36.53421	FALSE	50.2126223	8.91274	FALSE	827.97	280	0.03228	0.0000406
5490604175220	549060	4175220	8.897805	8.897805	37.29447	37.29447	FALSE	51.2575182	8.897805	FALSE	847.92	280	0.03228	0.0000406
5490804175220	549080	4175220	8.810794	8.810794	31.77116	31.77116	FALSE	43.6662878	8.810794	FALSE	867.87	280	0.03228	0.0000406
5491004175220	549100	4175220	8.761236	8.761236	29.07862	29.07862	FALSE	39.9656567	8.761236	FALSE	887.83	280	0.03228	0.0000406
5491204175220	549120	4175220	8.726892	8.726892	27.75576	27.75576	FALSE	38.1475124	8.726892	FALSE	907.78	280	0.03228	0.0000406
5469604175240	546960	4175240	8.268145	8.268145	7.249189	7.249189	FALSE	9.96328536	8.268145	FALSE	1254.79	280	0.03228	0.0000406
5469804175240	546980	4175240	8.266044	8.266044	7.183862	7.183862	FALSE	9.87349993	8.266044	FALSE	1234.80	280	0.03228	0.0000406
5470004175240	547000	4175240	8.264015	8.264015	7.1048	7.1048	FALSE	9.76483712	8.264015	FALSE	1214.81	280	0.03228	0.0000406
5470204175240	547020	4175240	8.262606	8.262606	7.034262	7.034262	FALSE	9.66788969	8.262606	FALSE	1194.82	280	0.03228	0.0000406
5470404175240	547040	4175240	8.263797	8.263797	7.060313	7.060313	FALSE	9.70369419	8.263797	FALSE	1174.83	280	0.03228	0.0000406
5470604175240	547060	4175240	8.263298	8.263298	7.003648	7.003648	FALSE	9.62581381	8.263298	FALSE	1154.84	280	0.03228	0.0000406
5470804175240	547080	4175240	8.263315	8.263315	6.951414	6.951414	FALSE	9.5540234	8.263315	FALSE	1134.85	280	0.03228	0.0000406
5471004175240	547100	4175240	8.264357	8.264357	6.945406	6.945406	FALSE	9.54576601	8.264357	FALSE	1114.87	280	0.03228	0.0000406
5471204175240	547120	4175240	8.267892	8.267892	7.026185	7.026185	FALSE	9.65678866	8.267892	FALSE	1094.88	280	0.03228	0.0000406
5471404175240	547140	4175240	8.273144	8.273144	7.140755	7.140755	FALSE	9.81425367	8.273144	FALSE	1074.89	280	0.03228	0.0000406
5471604175240	547160	4175240	8.283413	8.283413	7.321911	7.321911	FALSE	10.0632345	8.283413	FALSE	1054.91	280	0.03228	0.0000406
5471804175240	547180	4175240	8.301778	8.301778	7.726244	7.726244	FALSE	10.6189498	8.301778	FALSE	1034.92	280	0.03228	0.0000406
5472004175240	547200	4175240	8.301859	8.301859	7.713693	7.713693	FALSE	10.6016997	8.301859	FALSE	1014.94	280	0.03228	0.0000406
5472204175240	547220	4175240	8.286845	8.286845	7.44898	7.44898	FALSE	10.2378781	8.286845	FALSE	994.95	280	0.03228	0.0000406
5472404175240	547240	4175240	8.280681	8.280681	7.322678	7.322678	FALSE	10.0642886	8.280681	FALSE	974.97	280	0.03228	0.0000406
5472604175240	547260	4175240	8.278142	8.278142	7.347515	7.347515	FALSE	10.0984246	8.278142	FALSE	954.98	280	0.03228	0.0000406
5472804175240	547280	4175240	8.273291	8.273291	7.159507	7.159507	FALSE	9.84002642	8.273291	FALSE	935.00	280	0.03228	0.0000406
5473004175240	547300	4175240	8.273175	8.273175	7.091404	7.091404	FALSE	9.74642566	8.273175	FALSE	915.02	280	0.03228	0.0000406
5473204175240	547320	4175240	8.276369	8.276369	7.147743	7.147743	FALSE	9.82385798	8.276369	FALSE	895.04	280	0.03228	0.0000406
5473404175240	547340	4175240	8.283579	8.283579	7.361311	7.361311	FALSE	10.1173858	8.283579	FALSE	875.06	280	0.03228	0.0000406
5473604175240	547360	4175240	8.291524	8.291524	7.574331	7.574331	FALSE	10.4101605	8.291524	FALSE	855.08	280	0.03228	0.0000406
5473804175240	547380	4175240	8.3128	8.3128	8.137349	8.137349	FALSE	11.1839725	8.3128	FALSE	835.10	280	0.03228	0.0000406
5474004175240	547400	4175240	8.313505	8.313505	8.170124	8.170124	FALSE	11.2290184	8.313505	FALSE	815.12	280	0.03228	0.0000406
5474204175240	547420	4175240	8.303234	8.303234	7.941441	7.941441	FALSE	10.9147165	8.303234	FALSE	795.15	280	0.03228	0.0000406
5474404175240	547440	4175240	8.302627	8.302627	7.963205	7.963205	FALSE	10.944629	8.302627	FALSE	775.17	280	0.03228	0.0000406
5474604175240	547460	4175240	8.306789	8.306789	8.070085	8.070085	FALSE	11.0915248	8.306789	FALSE	755.20	280	0.03228	0.0000406
5474804175240	547480	4175240	8.30475	8.30475	8.064219	8.064219	FALSE	11.0834626	8.30475	FALSE	735.23	280	0.03228	0.0000406
5475004175240	547500	4175240	8.303853	8.303853	7.939544	7.939544	FALSE	10.9121093	8.303853	FALSE	715.26	280	0.03228	0.0000406
5475204175240	547520	4175240	8.294401	8.294401	7.60689	7.60689	FALSE	10.4549096	8.294401	FALSE	695.29	280	0.03228	0.0000406
5475404175240	547540	4175240	8.293008	8.293008	7.577099	7.577099	FALSE	10.4139649	8.293008	FALSE	675.32	280	0.03228	0.0000406
5475604175240	547560	4175240	8.294306	8.294306	7.645758	7.645758	FALSE	10.5083298	8.294306	FALSE	655.36	280	0.03228	0.0000406
5475804175240	547580	4175240	8.291451	8.291451	7.567222	7.567222	FALSE	10.4003899	8.291451	FALSE	635.39	280	0.03228	0.0000406
5476004175240	547600	4175240	8.29557	8.29557	7.732567	7.732567	FALSE	10.6276401	8.29557	FALSE	615.43	280	0.03228	0.0000406
5476204175240	547620	4175240	8.310418	8.310418	8.213175	8.213175	FALSE	11.2881877	8.310418	FALSE	595.48	280	0.03228	0.0000406
5476404175240	547640	4175240	8.325087	8.325087	8.633687	8.633687	FALSE	11.8661394	8.325087	FALSE	575.52	280	0.03228	0.0000406
5476604175240	547660	4175240	8.31997	8.31997	8.546097	8.546097	FALSE	11.7457557	8.31997	FALSE	555.57	280	0.03228	0.0000406
5476804175240	547680	4175240	8.318485	8.318485	8.461208	8.461208	FALSE	11.6290843	8.318485	FALSE	535.62	280	0.03228	0.0000406
5477004175240	547700	4175240	8.318557	8.318557	8.61991	8.61991	FALSE	11.8472043	8.318557	FALSE	515.68	280	0.03228	0.0000406
5477204175240	547720	4175240	8.325636	8.325636	9.008491	9.008491	FALSE	12.38127	8.325636	FALSE	495.74	280	0.03228	0.0000406
5477404175240	547740	4175240	8.338192	8.338192	9.602764	9.602764	FALSE	13.1980388	8.338192	FALSE	475.81	280	0.03228	0.0000406
5477604175240	547760	4175240	8.344472	8.344472	9.91884	9.91884	FALSE	13.6324537	8.344472	FALSE	455.88	280	0.03228	0.0000406
5477804175240	547780	4175240	8.352244	8.352244	10.29902	10.29902	FALSE	14.1549745	8.352244	FALSE	435.96	280	0.03228	0.0000406
5478004175240	547800	4175240	8.359317	8.359317	10.62532	10.62532	FALSE	14.6034371	8.359317	FALSE	416.04	280	0.03228	0.0000406
5478204175240	547820	4175240	8.363138	8.363138	10.78911	10.78911	FALSE	14.8285555	8.363138	FALSE	396.14	280	0.03228	0.0000406
5478404175240	547840	4175240	8.374053	8.374053	11.11165	11.11165	FALSE	15.2718449	8.374053	FALSE	376.24	280	0.03228	0.0000406
5478604175240	547860	4175240	8.377987	8.377987	11.26918	11.26918	FALSE	15.4883637	8.377987	FALSE	356.36	280	0.03228	0.0000406
5478804175240	547880	4175240	8.38576	8.38576	11.55789	11.55789	FALSE	15.8851585	8.38576	FALSE	336.49	280	0.03228	0.0000406
5479004175240	547900	4175240	8.405365	8.405365	12.23077	12.23077	FALSE	16.8099648	8.405365	FALSE	316.64	280	0.03228	0.0000406
5479204175240	547920	4175240	8.446023	8.446023	13.48668	13.48668	FALSE	18.5360861	8.446023	FALSE	296.80	280	0.03228	0.0000406
5479404175240	547940	4175240	8.468	8.468	14.33993	14.33993	FALSE	19.7087957	8.468	FALSE	276.99	260	0.04035	0.00005075
5479604175240	547960	4175240	8.468532	8.468532	14.84098	14.84098	FALSE	20.397447	8.468532	FALSE	257.21	240	0.04842	0.0000609
5479804175240	547980	4175240	8.487526	8.487526	15.79582	15.79582	FALSE	21.7097791	8.487526	FALSE	237.47	220	0.05649	0.00007105
5480004175240	548000	4175240	8.515847	8.515847	16.9702	16.9702	FALSE	23.3238443	8.515847	FALSE	217.77	200	0.06456	0.0000812
5480204175240	548020	4175240	8.528558	8.528558	17.93566	17.93566	FALSE	24.6507684	8.528558	FALSE	198.14	180	0.07263	0.00009135
5480404175240	548040	4175240	8.556439	8.556439	19.19077	19.19077	FALSE	26.3757998	8.556439	FALSE	178.58	160	0.0807	0.0001015
5480604175240	548060	4175240	8.581201	8.581201	20.67874	20.67874	FALSE	28.4208534	8.581201	FALSE	159.14	150	0.09684	0.0001218
5480804175240	548080	4175240	8.61679	8.61679	22.51763	22.51763	FALSE	30.9482348	8.61679	FALSE	139.85	130	0.12105	0.00015225
5481004175240	548100	4175240	8.661387	8.661387	24.71003	24.71003	FALSE	33.9614597	8.661387	FALSE	120.79	120	0.12912	0.0001624
5481204175240	548120	4175240	8.709031	8.709031	27.08218	27.08218	FALSE	37.2217509	8.709031	FALSE	102.10	100	0.17754	0.0002233
5481404175240	548140	4175240	8.775775	8.775775	30.3055	30.3055	FALSE	41.6518833	8.775775	FALSE	84.01	80	0.22596	0.0002842
5481604175240	548160	4175240	8.872481	8.872481	34.8672	34.8672	FALSE	47.9214769	8.872481	FALSE	67.02	60	0.33087	0.00041615
5481804175240	548180	4175240	9.028699	9.028699	42.27604	42.27604	FALSE	58.1041949	9.028699	FALSE	52.20	50	0.4035	0.0005075
5482004175240	548200	4175240	9.03378	9.03378	46.42243	46.42243	FALSE	63.8029809	9.03378	FALSE	41.93	40	0.46806	0.0005887
5482204175240	548220	4175240	9.417257	9.417257	64.23285	64.23285	FALSE	88.2816318	9.417257	FALSE	39.89	35	0.51648	0.0006496
5482404175240	548240	4175240	9.294923	9.294923	58.08215	58.08215	FALSE	79.8281028	9.294923	FALSE	47.16	40	0.46806	0.0005887
5482604175240	548260	4175240	9.554974	9.554974	72.42871	72.42871	FALSE	99.5460204	9.554974	FALSE	60.48	60	0.33087	0.00041615
5482804175240	548280	4175240	9.501754	9.501754	64.67449	64.67449	FALSE	88.8886218	9.501754	FALSE	76.75	70	0.25017	0.00031465
5483004175240	548300	4175240	9.231134	9.231134	50.54671	50.54671	FALSE	69.471401	9.231134	FALSE	94.47	90	0.20175	0.00025375
5483204175240	548320	4175240	9.070699	9.070699	43.35354	43.35354	FALSE	59.5850985	9.070699	FALSE	112.95	110	0.14526	0.0001827
5483404175240	548340	4175240	8.978536	8.978536	40.11264	40.11264	FALSE	55.1308152	8.978536	FALSE	131.87	130	0.12105	0.00015225
5483604175240	548360	4175240	8.91477	8.91477	37.54995	37.54995	FALSE	51.6086513	8.91477	FALSE	151.08	150	0.09684	0.0001218
5483804175240	548380	4175240	8.868816	8.868816	35.43007	35.43007	FALSE	48.6950827	8.868816	FALSE	170.46	160	0.0807	0.0001015
5484004175240	548400	4175240	8.830179	8.830179	33.67819	33.67819	FALSE	46.2873016	8.830179	FALSE	189.98	180	0.07263	0.00009135
5484204175240	548420	4175240	8.817181	8.817181	32.75063	32.75063	FALSE	45.0124645	8.817181	FALSE	209.58	200	0.06456	0.0000812
5484404175240	548440	4175240	8.798611	8.798611	31.25388	31.25388	FALSE	42.9553313	8.798611	FALSE	229.25	220	0.05649	0.00007105
5484604175240	548460	4175240	8.830044	8.830044	31.78398	31.78398	FALSE	43.6839007	8.830044	FALSE	248.98	240	0.04842	0.0000609
5484804175240	548480	4175240	8.880193	8.880193	33.47375	33.47375	FALSE	46.0063193	8.880193	FALSE	268.74	260	0.04035	0.00005075
5485004175240	548500	4175240	8.922654	8.922654	35.01069	35.01069	FALSE	48.1186882	8.922654	FALSE	288.54	280	0.03228	0.0000406
5485204175240	548520	4175240	8.960975	8.960975	36.59982	36.59982	FALSE	50.3027981	8.960975	FALSE	308.37	280	0.03228	0.0000406
5485404175240	548540	4175240	8.955938	8.955938	36.32538	36.32538	FALSE	49.9255981	8.955938	FALSE	328.21	280	0.03228	0.0000406
5485604175240	548560	4175240	8.97693	8.97693	36.62819	36.62819	FALSE	50.3417885	8.97693	FALSE	348.08	280	0.03228	0.0000406

5485804175240	548580	4175240	9.116579	9.116579	41.796	41.796	TRUE	57.4444155	9.116579	TRUE	367.95	280	0.03228	0.0000406
5486004175240	548600	4175240	9.260004	9.260004	45.77836	45.77836	TRUE	62.9177794	9.260004	TRUE	387.84	280	0.03228	0.0000406
5486204175240	548620	4175240	9.369898	9.369898	47.28674	47.28674	TRUE	64.9908968	9.369898	TRUE	407.75	280	0.03228	0.0000406
5486404175240	548640	4175240	9.577689	9.577689	51.76462	51.76462	TRUE	71.1452992	9.577689	TRUE	427.66	280	0.03228	0.0000406
5486604175240	548660	4175240	9.759796	9.759796	55.79632	55.79632	FALSE	76.6864663	9.759796	FALSE	447.58	280	0.03228	0.0000406
5486804175240	548680	4175240	9.805416	9.805416	56.91091	56.91091	FALSE	78.2183588	9.805416	FALSE	467.50	280	0.03228	0.0000406
5487004175240	548700	4175240	9.823369	9.823369	58.72842	58.72842	TRUE	80.7163446	9.823369	TRUE	487.43	280	0.03228	0.0000406
5487204175240	548720	4175240	9.778299	9.778299	59.79153	59.79153	TRUE	82.177472	9.778299	TRUE	507.37	280	0.03228	0.0000406
5487404175240	548740	4175240	9.503264	9.503264	50.11916	50.11916	TRUE	68.8837708	9.503264	TRUE	527.31	280	0.03228	0.0000406
5487604175240	548760	4175240	9.318053	9.318053	43.76172	43.76172	FALSE	60.1461121	9.318053	FALSE	547.26	280	0.03228	0.0000406
5487804175240	548780	4175240	9.201432	9.201432	39.98904	39.98904	FALSE	54.9609297	9.201432	FALSE	567.21	280	0.03228	0.0000406
5488004175240	548800	4175240	9.118488	9.118488	37.41489	37.41489	FALSE	51.4230303	9.118488	FALSE	587.16	280	0.03228	0.0000406
5488204175240	548820	4175240	9.054936	9.054936	35.48474	35.48474	FALSE	48.7702212	9.054936	FALSE	607.12	280	0.03228	0.0000406
5488404175240	548840	4175240	9.00708	9.00708	34.22782	34.22782	FALSE	47.0427186	9.00708	FALSE	627.08	280	0.03228	0.0000406
5488604175240	548860	4175240	8.971688	8.971688	33.43234	33.43234	FALSE	45.9494081	8.971688	FALSE	647.04	280	0.03228	0.0000406
5488804175240	548880	4175240	8.949431	8.949431	33.09226	33.09226	FALSE	45.4819953	8.949431	FALSE	667.00	280	0.03228	0.0000406
5489004175240	548900	4175240	8.943897	8.943897	33.34298	33.34298	FALSE	45.8265945	8.943897	FALSE	686.97	280	0.03228	0.0000406
5489204175240	548920	4175240	8.95027	8.95027	33.97012	33.97012	FALSE	46.6885384	8.95027	FALSE	706.93	280	0.03228	0.0000406
5489404175240	548940	4175240	8.925498	8.925498	33.30619	33.30619	FALSE	45.7760234	8.925498	FALSE	726.90	280	0.03228	0.0000406
5489604175240	548960	4175240	8.928154	8.928154	33.34201	33.34201	FALSE	45.825264	8.928154	FALSE	746.88	280	0.03228	0.0000406
5489804175240	548980	4175240	8.908773	8.908773	32.83316	32.83316	FALSE	45.1258992	8.908773	FALSE	766.85	280	0.03228	0.0000406
5490004175240	549000	4175240	8.911448	8.911448	33.25513	33.25513	FALSE	45.7058562	8.911448	FALSE	786.82	280	0.03228	0.0000406
5490204175240	549020	4175240	8.93327	8.93327	34.48245	34.48245	FALSE	47.3926779	8.93327	FALSE	806.80	280	0.03228	0.0000406
5490404175240	549040	4175240	8.990508	8.990508	37.4622	37.4622	FALSE	51.4880518	8.990508	FALSE	826.77	280	0.03228	0.0000406
5490604175240	549060	4175240	9.035426	9.035426	42.40492	42.40492	FALSE	58.2813152	9.035426	FALSE	846.75	280	0.03228	0.0000406
5490804175240	549080	4175240	8.924334	8.924334	36.37259	36.37259	FALSE	49.9904877	8.924334	FALSE	866.73	280	0.03228	0.0000406
5491004175240	549100	4175240	9.042385	9.042385	40.12258	40.12258	FALSE	55.1444767	9.042385	FALSE	886.71	280	0.03228	0.0000406
5491204175240	549120	4175240	8.870018	8.870018	33.2946	33.2946	FALSE	45.7600927	8.870018	FALSE	906.69	280	0.03228	0.0000406
5469604175260	546960	4175260	8.260559	8.260559	7.214513	7.214513	FALSE	9.91562667	8.260559	FALSE	1254.32	280	0.03228	0.0000406
5469804175260	546980	4175260	8.258386	8.258386	7.155942	7.155942	FALSE	9.83512668	8.258386	FALSE	1234.32	280	0.03228	0.0000406
5470004175260	547000	4175260	8.256149	8.256149	7.071917	7.071917	FALSE	9.71964272	8.256149	FALSE	1214.32	280	0.03228	0.0000406
5470204175260	547020	4175260	8.25443	8.25443	6.988116	6.988116	FALSE	9.60446663	8.25443	FALSE	1194.33	280	0.03228	0.0000406
5470404175260	547040	4175260	8.254431	8.254431	6.969245	6.969245	FALSE	9.57853033	8.254431	FALSE	1174.33	280	0.03228	0.0000406
5470604175260	547060	4175260	8.253544	8.253544	6.907688	6.907688	FALSE	9.49392639	8.253544	FALSE	1154.33	280	0.03228	0.0000406
5470804175260	547080	4175260	8.253043	8.253043	6.849745	6.849745	FALSE	9.41428953	8.253043	FALSE	1134.33	280	0.03228	0.0000406
5471004175260	547100	4175260	8.25318	8.25318	6.79281	6.79281	FALSE	9.33603806	8.25318	FALSE	1114.34	280	0.03228	0.0000406
5471204175260	547120	4175260	8.25573	8.25573	6.834247	6.834247	FALSE	9.39298908	8.25573	FALSE	1094.34	280	0.03228	0.0000406
5471404175260	547140	4175260	8.259342	8.259342	6.906569	6.906569	FALSE	9.49238843	8.259342	FALSE	1074.34	280	0.03228	0.0000406
5471604175260	547160	4175260	8.265673	8.265673	7.004206	7.004206	FALSE	9.62658073	8.265673	FALSE	1054.35	280	0.03228	0.0000406
5471804175260	547180	4175260	8.293043	8.293043	7.575263	7.575263	FALSE	10.4114415	8.293043	FALSE	1034.35	280	0.03228	0.0000406
5472004175260	547200	4175260	8.305907	8.305907	7.799357	7.799357	FALSE	10.7194363	8.305907	FALSE	1014.35	280	0.03228	0.0000406
5472204175260	547220	4175260	8.280059	8.280059	7.326785	7.326785	FALSE	10.0699333	8.280059	FALSE	994.36	280	0.03228	0.0000406
5472404175260	547240	4175260	8.271832	8.271832	7.162302	7.162302	FALSE	9.84386787	8.271832	FALSE	974.36	280	0.03228	0.0000406
5472604175260	547260	4175260	8.267936	8.267936	7.160165	7.160165	FALSE	9.84093078	8.267936	FALSE	954.37	280	0.03228	0.0000406
5472804175260	547280	4175260	8.261717	8.261717	6.943908	6.943908	FALSE	9.54370716	8.261717	FALSE	934.37	280	0.03228	0.0000406
5473004175260	547300	4175260	8.260728	8.260728	6.859702	6.859702	FALSE	9.42797443	8.260728	FALSE	914.37	280	0.03228	0.0000406
5473204175260	547320	4175260	8.263791	8.263791	6.923183	6.923183	FALSE	9.51522272	8.263791	FALSE	894.38	280	0.03228	0.0000406
5473404175260	547340	4175260	8.270416	8.270416	7.129429	7.129429	FALSE	9.79868722	8.270416	FALSE	874.38	280	0.03228	0.0000406
5473604175260	547360	4175260	8.278904	8.278904	7.359696	7.359696	FALSE	10.1151662	8.278904	FALSE	854.39	280	0.03228	0.0000406
5473804175260	547380	4175260	8.30395	8.30395	8.012694	8.012694	FALSE	11.0126466	8.30395	FALSE	834.39	280	0.03228	0.0000406
5474004175260	547400	4175260	8.30818	8.30818	8.141292	8.141292	FALSE	11.1893917	8.30818	FALSE	814.40	280	0.03228	0.0000406
5474204175260	547420	4175260	8.298742	8.298742	7.939212	7.939212	FALSE	10.911653	8.298742	FALSE	794.41	280	0.03228	0.0000406
5474404175260	547440	4175260	8.299243	8.299243	7.992551	7.992551	FALSE	10.9849621	8.299243	FALSE	774.41	280	0.03228	0.0000406
5474604175260	547460	4175260	8.304137	8.304137	8.121488	8.121488	FALSE	11.1621731	8.304137	FALSE	754.42	280	0.03228	0.0000406
5474804175260	547480	4175260	8.302165	8.302165	8.123506	8.123506	FALSE	11.1649466	8.302165	FALSE	734.43	280	0.03228	0.0000406
5475004175260	547500	4175260	8.302261	8.302261	8.033059	8.033059	FALSE	11.0406363	8.302261	FALSE	714.43	280	0.03228	0.0000406
5475204175260	547520	4175260	8.293993	8.293993	7.744779	7.744779	FALSE	10.6444243	8.293993	FALSE	694.44	280	0.03228	0.0000406
5475404175260	547540	4175260	8.293185	8.293185	7.737136	7.737136	FALSE	10.6339197	8.293185	FALSE	674.45	280	0.03228	0.0000406
5475604175260	547560	4175260	8.294498	8.294498	7.808081	7.808081	FALSE	10.7314265	8.294498	FALSE	654.46	280	0.03228	0.0000406
5475804175260	547580	4175260	8.292209	8.292209	7.761361	7.761361	FALSE	10.6672146	8.292209	FALSE	634.47	280	0.03228	0.0000406
5476004175260	547600	4175260	8.296668	8.296668	7.951657	7.951657	FALSE	10.9287574	8.296668	FALSE	614.48	280	0.03228	0.0000406
5476204175260	547620	4175260	8.312534	8.312534	8.484681	8.484681	FALSE	11.6613456	8.312534	FALSE	594.49	280	0.03228	0.0000406
5476404175260	547640	4175260	8.326794	8.326794	8.894304	8.894304	FALSE	12.2243314	8.326794	FALSE	574.50	280	0.03228	0.0000406
5476604175260	547660	4175260	8.319723	8.319723	8.746359	8.746359	FALSE	12.0209958	8.319723	FALSE	554.51	280	0.03228	0.0000406
5476804175260	547680	4175260	8.315107	8.315107	8.545377	8.545377	FALSE	11.7447661	8.315107	FALSE	534.52	280	0.03228	0.0000406
5477004175260	547700	4175260	8.320156	8.320156	8.900518	8.900518	FALSE	12.2328719	8.320156	FALSE	514.54	280	0.03228	0.0000406
5477204175260	547720	4175260	8.332492	8.332492	9.52651	9.52651	FALSE	13.0932353	8.332492	FALSE	494.55	280	0.03228	0.0000406
5477404175260	547740	4175260	8.351305	8.351305	10.43532	10.43532	FALSE	14.3423066	8.351305	FALSE	474.57	280	0.03228	0.0000406
5477604175260	547760	4175260	8.358689	8.358689	10.83732	10.83732	FALSE	14.8948099	8.358689	FALSE	454.58	280	0.03228	0.0000406
5477804175260	547780	4175260	8.365688	8.365688	11.20217	11.20217	FALSE	15.396257	8.365688	FALSE	434.60	280	0.03228	0.0000406
5478004175260	547800	4175260	8.370552	8.370552	11.44125	11.44125	FALSE	15.7248499	8.370552	FALSE	414.62	280	0.03228	0.0000406
5478204175260	547820	4175260	8.375459	8.375459	11.64327	11.64327	FALSE	16.0025144	8.375459	FALSE	394.65	280	0.03228	0.0000406
5478404175260	547840	4175260	8.391029	8.391029	12.15359	12.15359	FALSE	16.7038982	8.391029	FALSE	374.67	280	0.03228	0.0000406
5478604175260	547860	4175260	8.399232	8.399232	12.47267	12.47267	FALSE	17.1424322	8.399232	FALSE	354.70	280	0.03228	0.0000406
5478804175260	547880	4175260	8.410898	8.410898	12.91427	12.91427	FALSE	17.7493727	8.410898	FALSE	334.73	280	0.03228	0.0000406
5479004175260	547900	4175260	8.430806	8.430806	13.63143	13.63143	FALSE	18.735036	8.430806	FALSE	314.77	280	0.03228	0.0000406
5479204175260	547920	4175260	8.460006	8.460006	14.66312	14.66312	FALSE	20.1529935	8.460006	FALSE	294.81	280	0.03228	0.0000406
5479404175260	547940	4175260	8.487221	8.487221	15.7004	15.7004	FALSE	21.5786339	8.487221	FALSE	274.86	260	0.04035	0.00005075
5479604175260	547960	4175260	8.504612	8.504612	16.69519	16.69519	FALSE	22.9458705	8.504612	FALSE	254.91	240	0.04842	0.0000609
5479804175260	547980	4175260	8.535988	8.535988	18.15326	18.15326	FALSE	24.9498433	8.535988	FALSE	234.97	220	0.05649	0.00007105
5480004175260	548000	4175260	8.58127	8.58127	20.0602	20.0602	FALSE	27.5707416	8.58127	FALSE	215.05	200	0.06456	0.0000812
5480204175260	548020	4175260	8.614357	8.614357	21.96455	21.96455	FALSE	30.1880734	8.614357	FALSE	195.14	180	0.07263	0.00009135
5480404175260	548040	4175260	8.665283	8.665283	24.29253	24.29253	FALSE	33.3876519	8.665283	FALSE	175.25	160	0.0807	0.0001015
5480604175260	548060	4175260	8.722831	8.722831	27.29335	27.29335	FALSE	37.511983	8.722831	FALSE	155.39	150	0.09684	0.0001218
5480804175260	548080	4175260	8.806444	8.806444	31.39069	31.39069	FALSE	43.143363	8.806444	FALSE	135.57	130	0.12105	0.00015225
5481004175260	548100	4175260	8.926167	8.926167	36.81437	36.81437	FALSE	50.5976674	8.926167	FALSE	115.81	110	0.14526	0.0001827
5481204175260	548120	4175260	9.064766	9.064766	42.75306	42.75306	FALSE	58.7598112	9.064766	FALSE	96.16	90	0.20175	0.00025375
5481404175260	548140	4175260	9.273593	9.273593	51.98781	51.98781	FALSE	71.4520474	9.273593	FALSE	76.68	70	0.25017	0.00031465
5481604175260	548160	4175260	9.428373	9.428373	60.56472	60.56472	FALSE	83.2401498	9.428373	FALSE	57.56	50	0.4035	0.0005075
5481804175260	548180	4175260	9.386266	9.386266	60.77898	60.77898	FALSE	83.5346246	9.386266	FALSE	39.32	35	0.51648	0.0006496
5482004175260	548200	4175260	9.251628	9.251628	55.94176	55.94176	FALSE	76.8863522	9.251628	FALSE	24.07	#N/A	#N/A	#N/A
5482204175260	548220	4175260	9.137184	9.137184	51.37198	51.37198	FALSE	70.6056424	9.137184	FALSE	20.31	#N/A	#N/A	#N/A
5482404175260	548240	4175260	9.128552	9.128552	52.77283	52.77283	FALSE	72.5309776	9.128552	FALSE	32.34	30	0.58911	0.00074095
5482604175260	548260	4175260	9.532194	9.532194	78.76608	78.76608	FALSE	108.256103	9.532194	TRUE	49.79	40	0.46806	0.0005887

5482804175260	548280	4175260	9.086021	9.086021	51.11499	51.11499	FALSE	70.2524354	9.086021	FALSE	68.65	60	0.33087	0.00041615
5483004175260	548300	4175260	8.883273	8.883273	38.95771	38.95771	FALSE	53.5434752	8.883273	FALSE	88.01	80	0.22596	0.0002842
5483204175260	548320	4175260	8.779059	8.779059	33.02724	33.02724	FALSE	45.3926428	8.779059	FALSE	107.61	100	0.17754	0.0002233
5483404175260	548340	4175260	8.711812	8.711812	29.43735	29.43735	FALSE	40.4586938	8.711812	FALSE	127.33	120	0.12912	0.0001624
5483604175260	548360	4175260	8.683259	8.683259	27.75077	27.75077	FALSE	38.1406624	8.683259	FALSE	147.12	140	0.11298	0.0001421
5483804175260	548380	4175260	8.648507	8.648507	25.9801	25.9801	FALSE	35.7070494	8.648507	FALSE	166.97	160	0.0807	0.0001015
5484004175260	548400	4175260	8.603066	8.603066	23.83079	23.83079	FALSE	32.7530364	8.603066	FALSE	186.85	180	0.07263	0.00009135
5484204175260	548420	4175260	8.59525	8.59525	23.17924	23.17924	FALSE	31.8575516	8.59525	FALSE	206.75	200	0.06456	0.0000812
5484404175260	548440	4175260	8.60181	8.60181	22.96955	22.96955	FALSE	31.5693426	8.60181	FALSE	226.67	220	0.05649	0.00007105
5484604175260	548460	4175260	8.634512	8.634512	23.66049	23.66049	FALSE	32.5189802	8.634512	FALSE	246.60	240	0.04842	0.0000609
5484804175260	548480	4175260	8.685615	8.685615	25.32294	25.32294	FALSE	34.8038474	8.685615	FALSE	266.54	260	0.04035	0.00005075
5485004175260	548500	4175260	8.730567	8.730567	26.80561	26.80561	FALSE	36.8416345	8.730567	FALSE	286.49	280	0.03228	0.0000406
5485204175260	548520	4175260	8.762042	8.762042	27.73496	27.73496	FALSE	38.1189304	8.762042	FALSE	306.45	280	0.03228	0.0000406
5485404175260	548540	4175260	8.7666	8.7666	27.84457	27.84457	FALSE	38.2695798	8.7666	FALSE	326.41	280	0.03228	0.0000406
5485604175260	548560	4175260	8.797418	8.797418	28.71664	28.71664	FALSE	39.4681473	8.797418	FALSE	346.38	280	0.03228	0.0000406
5485804175260	548580	4175260	8.891385	8.891385	31.70385	31.70385	FALSE	43.5737646	8.891385	FALSE	366.35	280	0.03228	0.0000406
5486004175260	548600	4175260	9.091307	9.091307	38.54889	38.54889	TRUE	52.9815985	9.091307	TRUE	386.32	280	0.03228	0.0000406
5486204175260	548620	4175260	9.252726	9.252726	42.79325	42.79325	TRUE	58.8150401	9.252726	TRUE	406.30	280	0.03228	0.0000406
5486404175260	548640	4175260	9.576723	9.576723	52.15257	52.15257	TRUE	71.6784936	9.576723	TRUE	426.28	280	0.03228	0.0000406
5486604175260	548660	4175260	9.639557	9.639557	52.52409	52.52409	FALSE	72.1891079	9.639557	FALSE	446.26	280	0.03228	0.0000406
5486804175260	548680	4175260	10.114	10.114	65.48203	65.48203	FALSE	89.9985034	10.114002	FALSE	466.24	280	0.03228	0.0000406
5487004175260	548700	4175260	10.32143	10.32143	71.02343	71.02343	TRUE	97.6146022	10.321432	TRUE	486.22	280	0.03228	0.0000406
5487204175260	548720	4175260	9.849304	9.849304	61.23485	61.23485	TRUE	84.161182	9.849304	TRUE	506.21	280	0.03228	0.0000406
5487404175260	548740	4175260	9.506165	9.506165	49.93594	49.93594	TRUE	68.6319573	9.506165	TRUE	526.19	280	0.03228	0.0000406
5487604175260	548760	4175260	9.281804	9.281804	42.25116	42.25116	FALSE	58.0699957	9.281804	FALSE	546.18	280	0.03228	0.0000406
5487804175260	548780	4175260	9.14801	9.14801	37.88076	37.88076	FALSE	52.0633193	9.14801	FALSE	566.17	280	0.03228	0.0000406
5488004175260	548800	4175260	9.054563	9.054563	34.93429	34.93429	FALSE	48.0136868	9.054563	FALSE	586.16	280	0.03228	0.0000406
5488204175260	548820	4175260	8.984649	8.984649	32.78094	32.78094	FALSE	45.0541212	8.984649	FALSE	606.14	280	0.03228	0.0000406
5488404175260	548840	4175260	8.928693	8.928693	31.2093	31.2093	FALSE	42.894066	8.928693	FALSE	626.13	280	0.03228	0.0000406
5488604175260	548860	4175260	8.886678	8.886678	30.10477	30.10477	FALSE	41.3759986	8.886678	FALSE	646.13	280	0.03228	0.0000406
5488804175260	548880	4175260	8.85776	8.85776	29.40879	29.40879	FALSE	40.419441	8.85776	FALSE	666.12	280	0.03228	0.0000406
5489004175260	548900	4175260	8.84188	8.84188	29.11873	29.11873	FALSE	40.0207839	8.84188	FALSE	686.11	280	0.03228	0.0000406
5489204175260	548920	4175260	8.834744	8.834744	29.08254	29.08254	FALSE	39.9710444	8.834744	FALSE	706.10	280	0.03228	0.0000406
5489404175260	548940	4175260	8.836535	8.836535	29.25691	29.25691	FALSE	40.2107012	8.836535	FALSE	726.09	280	0.03228	0.0000406
5489604175260	548960	4175260	8.81289	8.81289	28.60128	28.60128	FALSE	39.3095965	8.81289	FALSE	746.09	280	0.03228	0.0000406
5489804175260	548980	4175260	8.818713	8.818713	28.93969	28.93969	FALSE	39.7747044	8.818713	FALSE	766.08	280	0.03228	0.0000406
5490004175260	549000	4175260	8.791033	8.791033	28.33906	28.33906	FALSE	38.9492082	8.791033	FALSE	786.07	280	0.03228	0.0000406
5490204175260	549020	4175260	8.77278	8.77278	28.10475	28.10475	FALSE	38.6271698	8.77278	FALSE	806.07	280	0.03228	0.0000406
5490404175260	549040	4175260	8.772191	8.772191	28.74913	28.74913	FALSE	39.5128098	8.772191	FALSE	826.06	280	0.03228	0.0000406
5490604175260	549060	4175260	8.795563	8.795563	31.02773	31.02773	FALSE	42.6445094	8.795563	FALSE	846.06	280	0.03228	0.0000406
5490804175260	549080	4175260	8.846906	8.846906	35.0351	35.0351	FALSE	48.1522456	8.846906	FALSE	866.05	280	0.03228	0.0000406
5491004175260	549100	4175260	8.792133	8.792133	30.26734	30.26734	FALSE	41.5994293	8.792133	FALSE	886.05	280	0.03228	0.0000406
5491204175260	549120	4175260	8.780314	8.780314	29.35655	29.35655	FALSE	40.3476409	8.780314	FALSE	906.04	280	0.03228	0.0000406
5469604175280	546960	4175280	8.264071	8.264071	7.516634	7.516634	FALSE	10.3308618	8.264071	FALSE	1254.17	280	0.03228	0.0000406
5469804175280	546980	4175280	8.261259	8.261259	7.40623	7.40623	FALSE	10.1791225	8.261259	FALSE	1234.17	280	0.03228	0.0000406
5470004175280	547000	4175280	8.258581	8.258581	7.284236	7.284236	FALSE	10.011454	8.258581	FALSE	1214.17	280	0.03228	0.0000406
5470204175280	547020	4175280	8.256511	8.256511	7.16926	7.16926	FALSE	9.85343094	8.256511	FALSE	1194.17	280	0.03228	0.0000406
5470404175280	547040	4175280	8.256409	8.256409	7.144961	7.144961	FALSE	9.8200344	8.256409	FALSE	1174.17	280	0.03228	0.0000406
5470604175280	547060	4175280	8.255522	8.255522	7.091528	7.091528	FALSE	9.74659608	8.255522	FALSE	1154.17	280	0.03228	0.0000406
5470804175280	547080	4175280	8.254976	8.254976	7.047629	7.047629	FALSE	9.6862613	8.254976	FALSE	1134.17	280	0.03228	0.0000406
5471004175280	547100	4175280	8.254747	8.254747	6.966443	6.966443	FALSE	9.57467926	8.254747	FALSE	1114.17	280	0.03228	0.0000406
5471204175280	547120	4175280	8.256751	8.256751	6.986081	6.986081	FALSE	9.60166973	8.256751	FALSE	1094.17	280	0.03228	0.0000406
5471404175280	547140	4175280	8.259556	8.259556	7.041971	7.041971	FALSE	9.67848494	8.259556	FALSE	1074.17	280	0.03228	0.0000406
5471604175280	547160	4175280	8.264139	8.264139	7.093965	7.093965	FALSE	9.7499455	8.264139	FALSE	1054.17	280	0.03228	0.0000406
5471804175280	547180	4175280	8.285115	8.285115	7.537965	7.537965	FALSE	10.3601791	8.285115	FALSE	1034.17	280	0.03228	0.0000406
5472004175280	547200	4175280	8.291925	8.291925	7.648344	7.648344	FALSE	10.511884	8.291925	FALSE	1014.17	280	0.03228	0.0000406
5472204175280	547220	4175280	8.287418	8.287418	7.578953	7.578953	FALSE	10.416513	8.287418	FALSE	994.17	280	0.03228	0.0000406
5472404175280	547240	4175280	8.276235	8.276235	7.363475	7.363475	FALSE	10.12036	8.276235	FALSE	974.17	280	0.03228	0.0000406
5472604175280	547260	4175280	8.271027	8.271027	7.3348	7.3348	FALSE	10.0809491	8.271027	FALSE	954.17	280	0.03228	0.0000406
5472804175280	547280	4175280	8.262518	8.262518	7.044955	7.044955	FALSE	9.68258615	8.262518	FALSE	934.17	280	0.03228	0.0000406
5473004175280	547300	4175280	8.261019	8.261019	6.94834	6.94834	FALSE	9.5497985	8.261019	FALSE	914.17	280	0.03228	0.0000406
5473204175280	547320	4175280	8.264013	8.264013	7.023988	7.023988	FALSE	9.65376911	8.264013	FALSE	894.17	280	0.03228	0.0000406
5473404175280	547340	4175280	8.270328	8.270328	7.231854	7.231854	FALSE	9.93946014	8.270328	FALSE	874.17	280	0.03228	0.0000406
5473604175280	547360	4175280	8.279004	8.279004	7.4759	7.4759	FALSE	10.274877	8.279004	FALSE	854.17	280	0.03228	0.0000406
5473804175280	547380	4175280	8.31091	8.31091	8.306939	8.306939	FALSE	11.417057	8.31091	FALSE	834.17	280	0.03228	0.0000406
5474004175280	547400	4175280	8.323476	8.323476	8.64707	8.64707	FALSE	11.884533	8.323476	FALSE	814.17	280	0.03228	0.0000406
5474204175280	547420	4175280	8.318089	8.318089	8.553653	8.553653	FALSE	11.7561407	8.318089	FALSE	794.17	280	0.03228	0.0000406
5474404175280	547440	4175280	8.320807	8.320807	8.66765	8.66765	FALSE	11.9128182	8.320807	FALSE	774.17	280	0.03228	0.0000406
5474604175280	547460	4175280	8.326631	8.326631	8.818515	8.818515	FALSE	12.120167	8.326631	FALSE	754.17	280	0.03228	0.0000406
5474804175280	547480	4175280	8.325033	8.325033	8.827628	8.827628	FALSE	12.1326919	8.325033	FALSE	734.17	280	0.03228	0.0000406
5475004175280	547500	4175280	8.325854	8.325854	8.759388	8.759388	FALSE	12.0389029	8.325854	FALSE	714.17	280	0.03228	0.0000406
5475204175280	547520	4175280	8.318145	8.318145	8.492425	8.492425	FALSE	11.6719889	8.318145	FALSE	694.17	280	0.03228	0.0000406
5475404175280	547540	4175280	8.318134	8.318134	8.522079	8.522079	FALSE	11.7127454	8.318134	FALSE	674.17	280	0.03228	0.0000406
5475604175280	547560	4175280	8.319406	8.319406	8.603922	8.603922	FALSE	11.8252304	8.319406	FALSE	654.17	280	0.03228	0.0000406
5475804175280	547580	4175280	8.317586	8.317586	8.589789	8.589789	FALSE	11.805806	8.317586	FALSE	634.17	280	0.03228	0.0000406
5476004175280	547600	4175280	8.322935	8.322935	8.82255	8.82255	FALSE	12.1257127	8.322935	FALSE	614.17	280	0.03228	0.0000406
5476204175280	547620	4175280	8.340939	8.340939	9.443089	9.443089	FALSE	12.9785815	8.340939	FALSE	594.17	280	0.03228	0.0000406
5476404175280	547640	4175280	8.353824	8.353824	9.815367	9.815367	FALSE	13.4902404	8.353824	FALSE	574.17	280	0.03228	0.0000406
5476604175280	547660	4175280	8.344213	8.344213	9.599276	9.599276	FALSE	13.1932449	8.344213	FALSE	554.17	280	0.03228	0.0000406
5476804175280	547680	4175280	8.337892	8.337892	9.352569	9.352569	FALSE	12.8541708	8.337892	FALSE	534.17	280	0.03228	0.0000406
5477004175280	547700	4175280	8.35048	8.35048	9.99952	9.99952	FALSE	13.7433403	8.35048	FALSE	514.17	280	0.03228	0.0000406
5477204175280	547720	4175280	8.369321	8.369321	10.91347	10.91347	FALSE	14.9994732	8.369321	FALSE	494.17	280	0.03228	0.0000406
5477404175280	547740	4175280	8.39399	8.39399	12.15344	12.15344	FALSE	16.7036879	8.39399	FALSE	474.17	280	0.03228	0.0000406
5477604175280	547760	4175280	8.399986	8.399986	12.63116	12.63116	FALSE	17.3602691	8.399986	FALSE	454.17	280	0.03228	0.0000406
5477804175280	547780	4175280	8.406092	8.406092	13.04128	13.04128	FALSE	17.9239339	8.406092	FALSE	434.17	280	0.03228	0.0000406
5478004175280	547800	4175280	8.411081	8.411081	13.27236	13.27236	FALSE	18.2415275	8.411081	FALSE	414.17	280	0.03228	0.0000406
5478204175280	547820	4175280	8.419485	8.419485	13.62988	13.62988	FALSE	18.7329057	8.419485	FALSE	394.17	280	0.03228	0.0000406
5478404175280	547840	4175280	8.44184	8.44184	14.41915	14.41915	FALSE	19.8176729	8.44184	FALSE	374.17	280	0.03228	0.0000406
5478604175280	547860	4175280	8.464328	8.464328	15.3339	15.3339	FALSE	21.0749135	8.464328	FALSE	354.17	280	0.03228	0.0000406
5478804175280	547880	4175280	8.489381	8.489381	16.31569	16.31569	FALSE	22.4242857	8.489381	FALSE	334.17	280	0.03228	0.0000406
5479004175280	547900	4175280	8.519659	8.519659	17.42396	17.42396	FALSE	23.9474851	8.519659	FALSE	314.17	280	0.03228	0.0000406
5479204175280	547920	4175280	8.570359	8.570359	19.02739	19.02739	FALSE	26.1512489	8.570359	FALSE	294.17	280	0.03228	0.0000406
5479404175280	547940	4175280	8.590224	8.590224	19.89039	19.89039	FALSE	27.337352	8.590224	FALSE	274.17	260	0.04035	0.00005075
5479604175280	547960	4175280	8.613345	8.613345	21.1989	21.1989	FALSE	29.1357613	8.613345	FALSE	254.17	240	0.04842	0.0000609

5479804175280	547980	4175280	8.667382	8.667382	23.56233	23.56233	FALSE	32.3840664	8.667382	FALSE	234.17		220	0.05649	0.00007105
5480004175280	548000	4175280	8.758982	8.758982	27.44871	27.44871	FALSE	37.7255029	8.758982	FALSE	214.17		200	0.06456	0.0000812
5480204175280	548020	4175280	8.862578	8.862578	32.76152	32.76152	FALSE	45.0274317	8.862578	FALSE	194.17		180	0.07263	0.00009135
5480404175280	548040	4175280	9.033028	9.033028	40.93519	40.93519	FALSE	56.261321	9.033028	FALSE	174.17		160	0.0807	0.0001015
5480604175280	548060	4175280	8.997705	8.997705	37.65647	37.65647	FALSE	51.755051	8.997705	FALSE	154.17		150	0.09684	0.0001218
5480804175280	548080	4175280	9.194746	9.194746	44.86835	44.86835	FALSE	61.6670616	9.194746	FALSE	134.17		130	0.12105	0.00015225
5481004175280	548100	4175280	9.114156	9.114156	45.80946	45.80946	FALSE	62.9605191	9.114156	FALSE	114.17		110	0.14526	0.0001827
5481204175280	548120	4175280	9.222385	9.222385	51.37732	51.37732	FALSE	70.6129872	9.222385	FALSE	94.17		90	0.20175	0.00025375
5481404175280	548140	4175280	9.042154	9.042154	43.55186	43.55186	FALSE	59.8576723	9.042154	FALSE	74.17		70	0.25017	0.00031465
5481604175280	548160	4175280	8.949029	8.949029	39.64801	39.64801	FALSE	54.4922222	8.949029	FALSE	54.17		50	0.4035	0.0005075
5481804175280	548180	4175280	8.889392	8.889392	37.7928	37.7928	FALSE	51.9424202	8.889392	FALSE	34.17		30	0.58911	0.00074095
5482004175280	548200	4175280	8.857171	8.857171	37.35995	37.35995	FALSE	51.347518	8.857171	FALSE	14.18	#N/A		#N/A	#N/A
5482204175280	548220	4175280	8.871615	8.871615	38.85208	38.85208	FALSE	53.3982946	8.871615	FALSE	5.86	#N/A		#N/A	#N/A
5482404175280	548240	4175280	8.977946	8.977946	46.2246	46.2246	FALSE	63.5310902	8.977946	FALSE	25.84		25	0.68595	0.00086275
5482604175280	548260	4175280	9.330366	9.330366	68.3183	68.3183	FALSE	93.896677	9.330366	FALSE	45.84		40	0.46806	0.0005887
5482804175280	548280	4175280	8.949093	8.949093	45.99405	45.99405	FALSE	63.2142196	8.949093	FALSE	65.83		60	0.33087	0.00041615
5483004175280	548300	4175280	8.746918	8.746918	33.93113	33.93113	FALSE	46.6349437	8.746918	FALSE	85.83		80	0.22596	0.0002842
5483204175280	548320	4175280	8.656053	8.656053	28.5387	28.5387	FALSE	39.2235879	8.656053	FALSE	105.83		100	0.17754	0.0002233
5483404175280	548340	4175280	8.601345	8.601345	25.32	25.32	FALSE	34.7998135	8.601345	FALSE	125.83		120	0.12912	0.0001624
5483604175280	548360	4175280	8.59186	8.59186	24.28862	24.28862	FALSE	33.3822821	8.59186	FALSE	145.83		140	0.11298	0.0001421
5483804175280	548380	4175280	8.565696	8.565696	22.75225	22.75225	FALSE	31.2706979	8.565696	FALSE	165.83		160	0.0807	0.0001015
5484004175280	548400	4175280	8.525251	8.525251	20.75531	20.75531	FALSE	28.5260981	8.525251	FALSE	185.83		180	0.07263	0.00009135
5484204175280	548420	4175280	8.520384	8.520384	20.23278	20.23278	FALSE	27.8079383	8.520384	FALSE	205.83		200	0.06456	0.0000812
5484404175280	548440	4175280	8.532183	8.532183	20.29657	20.29657	FALSE	27.8956031	8.532183	FALSE	225.83		220	0.05649	0.00007105
5484604175280	548460	4175280	8.558757	8.558757	20.78791	20.78791	FALSE	28.5709008	8.558757	FALSE	245.83		240	0.04842	0.0000609
5484804175280	548480	4175280	8.607135	8.607135	22.28403	22.28403	FALSE	30.6271681	8.607135	FALSE	265.83		260	0.04035	0.00005075
5485004175280	548500	4175280	8.658131	8.658131	23.8923	23.8923	FALSE	32.8375826	8.658131	FALSE	285.83		280	0.03228	0.0000406
5485204175280	548520	4175280	8.707325	8.707325	25.3223	25.3223	FALSE	34.8029719	8.707325	FALSE	305.83		280	0.03228	0.0000406
5485404175280	548540	4175280	8.720896	8.720896	25.6606	25.6606	FALSE	35.2679259	8.720896	FALSE	325.83		280	0.03228	0.0000406
5485604175280	548560	4175280	8.761026	8.761026	26.83256	26.83256	FALSE	36.8786746	8.761026	FALSE	345.83		280	0.03228	0.0000406
5485804175280	548580	4175280	8.84838	8.84838	29.54992	29.54992	FALSE	40.6134087	8.84838	FALSE	365.83		280	0.03228	0.0000406
5486004175280	548600	4175280	9.007642	9.007642	34.67793	34.67793	FALSE	47.661347	9.007642	FALSE	385.83		280	0.03228	0.0000406
5486204175280	548620	4175280	9.24019	9.24019	42.51512	42.51512	TRUE	58.4327809	9.24019	TRUE	405.83		280	0.03228	0.0000406
5486404175280	548640	4175280	9.614963	9.614963	55.1778	55.1778	TRUE	75.8363738	9.614963	TRUE	425.83		280	0.03228	0.0000406
5486604175280	548660	4175280	10.0896	10.0896	65.68431	65.68431	FALSE	90.2765198	10.0896	FALSE	445.83		280	0.03228	0.0000406
5486804175280	548680	4175280	10.48762	10.48762	75.28383	75.28383	FALSE	103.470096	10.487623	FALSE	465.83		280	0.03228	0.0000406
5487004175280	548700	4175280	10.34111	10.34111	71.59463	71.59463	FALSE	98.3996595	10.341109	FALSE	485.83		280	0.03228	0.0000406
5487204175280	548720	4175280	10.00119	10.00119	65.35879	65.35879	TRUE	89.8291182	10.001193	TRUE	505.83		280	0.03228	0.0000406
5487404175280	548740	4175280	9.576168	9.576168	51.95418	51.95418	TRUE	71.4058264	9.576168	TRUE	525.83		280	0.03228	0.0000406
5487604175280	548760	4175280	9.306439	9.306439	42.81058	42.81058	FALSE	58.8388653	9.306439	FALSE	545.83		280	0.03228	0.0000406
5487804175280	548780	4175280	9.153775	9.153775	37.8417	37.8417	FALSE	52.0096339	9.153775	FALSE	565.83		280	0.03228	0.0000406
5488004175280	548800	4175280	9.048643	9.048643	34.52681	34.52681	FALSE	47.4536463	9.048643	FALSE	585.83		280	0.03228	0.0000406
5488204175280	548820	4175280	8.970267	8.970267	32.11656	32.11656	FALSE	44.1410042	8.970267	FALSE	605.83		280	0.03228	0.0000406
5488404175280	548840	4175280	8.908633	8.908633	30.32059	30.32059	FALSE	41.672612	8.908633	FALSE	625.83		280	0.03228	0.0000406
5488604175280	548860	4175280	8.861715	8.861715	29.01667	29.01667	FALSE	39.880514	8.861715	FALSE	645.83		280	0.03228	0.0000406
5488804175280	548880	4175280	8.82723	8.82723	28.08135	28.08135	FALSE	38.5950061	8.82723	FALSE	665.83		280	0.03228	0.0000406
5489004175280	548900	4175280	8.806122	8.806122	27.5354	27.5354	FALSE	37.8446469	8.806122	FALSE	685.83		280	0.03228	0.0000406
5489204175280	548920	4175280	8.792476	8.792476	27.20808	27.20808	FALSE	37.3947865	8.792476	FALSE	705.83		280	0.03228	0.0000406
5489404175280	548940	4175280	8.789572	8.789572	27.19452	27.19452	FALSE	37.3761442	8.789572	FALSE	725.83		280	0.03228	0.0000406
5489604175280	548960	4175280	8.85107	8.85107	29.26319	29.26319	FALSE	40.2193283	8.85107	FALSE	745.83		280	0.03228	0.0000406
5489804175280	548980	4175280	8.87099	8.87099	29.96142	29.96142	FALSE	41.1789784	8.87099	FALSE	765.83		280	0.03228	0.0000406
5490004175280	549000	4175280	8.7681	8.7681	26.98913	26.98913	FALSE	37.0938644	8.7681	FALSE	785.83		280	0.03228	0.0000406
5490204175280	549020	4175280	8.73149	8.73149	26.07152	26.07152	FALSE	35.832693	8.73149	FALSE	805.83		280	0.03228	0.0000406
5490404175280	549040	4175280	8.714634	8.714634	25.9845	25.9845	FALSE	35.7130995	8.714634	FALSE	825.83		280	0.03228	0.0000406
5490604175280	549060	4175280	8.715753	8.715753	26.95032	26.95032	FALSE	37.0405157	8.715753	FALSE	845.83		280	0.03228	0.0000406
5490804175280	549080	4175280	8.71548	8.71548	27.2588	27.2588	FALSE	37.464492	8.71548	FALSE	865.83		280	0.03228	0.0000406
5491004175280	549100	4175280	8.724483	8.724483	28.2957	28.2957	FALSE	38.889606	8.724483	FALSE	885.83		280	0.03228	0.0000406
5491204175280	549120	4175280	8.689936	8.689936	26.05781	26.05781	FALSE	35.8138472	8.689936	FALSE	905.83		280	0.03228	0.0000406
5469604175300	546960	4175300	8.265221	8.265221	7.627031	7.627031	FALSE	10.4825914	8.265221	FALSE	1254.34		280	0.03228	0.0000406
5469804175300	546980	4175300	8.262755	8.262755	7.522507	7.522507	FALSE	10.3389336	8.262755	FALSE	1234.34		280	0.03228	0.0000406
5470004175300	547000	4175300	8.260117	8.260117	7.392197	7.392197	FALSE	10.1598356	8.260117	FALSE	1214.34		280	0.03228	0.0000406
5470204175300	547020	4175300	8.257916	8.257916	7.256639	7.256639	FALSE	9.97352464	8.257916	FALSE	1194.34		280	0.03228	0.0000406
5470404175300	547040	4175300	8.257944	8.257944	7.237191	7.237191	FALSE	9.94679531	8.257944	FALSE	1174.35		280	0.03228	0.0000406
5470604175300	547060	4175300	8.257144	8.257144	7.187778	7.187778	FALSE	9.87888208	8.257144	FALSE	1154.35		280	0.03228	0.0000406
5470804175300	547080	4175300	8.256657	8.256657	7.147555	7.147555	FALSE	9.82359959	8.256657	FALSE	1134.35		280	0.03228	0.0000406
5471004175300	547100	4175300	8.256565	8.256565	7.089399	7.089399	FALSE	9.74366999	8.256565	FALSE	1114.36		280	0.03228	0.0000406
5471204175300	547120	4175300	8.258492	8.258492	7.118198	7.118198	FALSE	9.78325133	8.258492	FALSE	1094.36		280	0.03228	0.0000406
5471404175300	547140	4175300	8.26095	8.26095	7.169316	7.169316	FALSE	9.85350791	8.26095	FALSE	1074.36		280	0.03228	0.0000406
5471604175300	547160	4175300	8.264863	8.264863	7.23515	7.23515	FALSE	9.94399016	8.264863	FALSE	1054.37		280	0.03228	0.0000406
5471804175300	547180	4175300	8.283355	8.283355	7.63431	7.63431	FALSE	10.4925957	8.283355	FALSE	1034.37		280	0.03228	0.0000406
5472004175300	547200	4175300	8.308885	8.308885	8.086603	8.086603	FALSE	11.1142272	8.308885	FALSE	1014.38		280	0.03228	0.0000406
5472204175300	547220	4175300	8.296288	8.296288	7.848348	7.848348	FALSE	10.7867695	8.296288	FALSE	994.38		280	0.03228	0.0000406
5472404175300	547240	4175300	8.281664	8.281664	7.570835	7.570835	FALSE	10.4053556	8.281664	FALSE	974.38		280	0.03228	0.0000406
5472604175300	547260	4175300	8.275379	8.275379	7.527058	7.527058	FALSE	10.3451885	8.275379	FALSE	954.39		280	0.03228	0.0000406
5472804175300	547280	4175300	8.266426	8.266426	7.226534	7.226534	FALSE	9.93214833	8.266426	FALSE	934.39		280	0.03228	0.0000406
5473004175300	547300	4175300	8.264357	8.264357	7.11802	7.11802	FALSE	9.78300669	8.264357	FALSE	914.40		280	0.03228	0.0000406
5473204175300	547320	4175300	8.266475	8.266475	7.17862	7.17862	FALSE	9.86629533	8.266475	FALSE	894.40		280	0.03228	0.0000406
5473404175300	547340	4175300	8.27323	8.27323	7.409728	7.409728	FALSE	10.1839302	8.27323	FALSE	874.41		280	0.03228	0.0000406
5473604175300	547360	4175300	8.280713	8.280713	7.641529	7.641529	FALSE	10.5025175	8.280713	FALSE	854.41		280	0.03228	0.0000406
5473804175300	547380	4175300	8.299663	8.299663	8.178659	8.178659	FALSE	11.2407489	8.299663	FALSE	834.42		280	0.03228	0.0000406
5474004175300	547400	4175300	8.313877	8.313877	8.571239	8.571239	FALSE	11.7803109	8.313877	FALSE	814.43		280	0.03228	0.0000406
5474204175300	547420	4175300	8.321249	8.321249	8.795694	8.795694	FALSE	12.0888018	8.321249	FALSE	794.43		280	0.03228	0.0000406
5474404175300	547440	4175300	8.326941	8.326941	8.992857	8.992857	FALSE	12.3597827	8.326941	FALSE	774.44		280	0.03228	0.0000406
5474604175300	547460	4175300	8.333931	8.333931	9.179165	9.179165	FALSE	12.6158444	8.333931	FALSE	754.45		280	0.03228	0.0000406
5474804175300	547480	4175300	8.334509	8.334509	9.244193	9.244193	FALSE	12.7052189	8.334509	FALSE	734.46		280	0.03228	0.0000406
5475004175300	547500	4175300	8.337299	8.337299	9.245893	9.245893	FALSE	12.7075553	8.337299	FALSE	714.46		280	0.03228	0.0000406
5475204175300	547520	4175300	8.332533	8.332533	9.055712	9.055712	FALSE	12.4461706	8.332533	FALSE	694.47		280	0.03228	0.0000406
5475404175300	547540	4175300	8.335173	8.335173	9.160539	9.160539	FALSE	12.5902448	8.335173	FALSE	674.48		280	0.03228	0.0000406
5475604175300	547560	4175300	8.339975	8.339975	9.36141	9.36141	FALSE	12.8663219	8.339975	FALSE	654.49		280	0.03228	0.0000406
5475804175300	547580	4175300	8.339308	8.339308	9.397813	9.397813	FALSE	12.9163542	8.339308	FALSE	634.50		280	0.03228	0.0000406
5476004175300	547600	4175300	8.345532	8.345532	9.664854	9.664854	FALSE	13.2833753	8.345532	FALSE	614.51		280	0.03228	0.0000406
5476204175300	547620	4175300	8.363108	8.363108	10.26522	10.26522	FALSE	14.1085129	8.363108	FALSE	594.52		280	0.03228	0.0000406
5476404175300	547640	4175300	8.379695	8.379695	10.81563	10.81563	FALSE	14.8650005	8.379695	FALSE	574.54		280	0.03228	0.0000406
5476604175300	547660	4175300	8.377955	8.377955	10.87468	10.87468	FALSE	14.9461616	8.377955	FALSE	554.55		280	0.03228	0.0000406

5476804175300	547680	4175300	8.376404	8.376404	10.83019	10.83019	FALSE	14.8850063	8.376404	FALSE	534.56		280	0.03228	0.0000406
5477004175300	547700	4175300	8.390944	8.390944	11.58798	11.58798	FALSE	15.9265211	8.390944	FALSE	514.58		280	0.03228	0.0000406
5477204175300	547720	4175300	8.418511	8.418511	12.83928	12.83928	FALSE	17.6463064	8.418511	FALSE	494.59		280	0.03228	0.0000406
5477404175300	547740	4175300	8.474735	8.474735	15.04266	15.04266	FALSE	20.6746374	8.474735	FALSE	474.61		280	0.03228	0.0000406
5477604175300	547760	4175300	8.476614	8.476614	15.78482	15.78482	FALSE	21.6946566	8.476614	FALSE	454.63		280	0.03228	0.0000406
5477804175300	547780	4175300	8.473959	8.473959	16.20334	16.20334	FALSE	22.2698732	8.473959	FALSE	434.65		280	0.03228	0.0000406
5478004175300	547800	4175300	8.477237	8.477237	16.36894	16.36894	FALSE	22.4974643	8.477237	FALSE	414.68		280	0.03228	0.0000406
5478204175300	547820	4175300	8.490887	8.490887	16.88011	16.88011	FALSE	23.2000177	8.490887	FALSE	394.70		280	0.03228	0.0000406
5478404175300	547840	4175300	8.526013	8.526013	18.22347	18.22347	FALSE	25.0463399	8.526013	FALSE	374.73		280	0.03228	0.0000406
5478604175300	547860	4175300	8.565539	8.565539	19.82361	19.82361	FALSE	27.2455696	8.565539	FALSE	354.76		280	0.03228	0.0000406
5478804175300	547880	4175300	8.615954	8.615954	21.97008	21.97008	FALSE	30.1956821	8.615954	FALSE	334.80		280	0.03228	0.0000406
5479004175300	547900	4175300	8.681747	8.681747	24.44046	24.44046	FALSE	33.5909627	8.681747	FALSE	314.84		280	0.03228	0.0000406
5479204175300	547920	4175300	8.782056	8.782056	27.65536	27.65536	FALSE	38.0095268	8.782056	FALSE	294.88		280	0.03228	0.0000406
5479404175300	547940	4175300	8.838119	8.838119	29.93926	29.93926	FALSE	41.1485162	8.838119	FALSE	274.94		260	0.04035	0.0000507
5479604175300	547960	4175300	8.925379	8.925379	33.6792	33.6792	FALSE	46.2886884	8.925379	FALSE	255.00		240	0.04842	0.0000609
5479804175300	547980	4175300	9.091641	9.091641	40.45061	40.45061	FALSE	55.5953115	9.091641	FALSE	235.07		220	0.05649	0.0000710
5480004175300	548000	4175300	9.076785	9.076785	39.2137	39.2137	FALSE	53.8953038	9.076785	FALSE	215.15		200	0.06456	0.0000812
5480204175300	548020	4175300	9.347854	9.347854	52.02085	52.02085	FALSE	71.497459	9.347854	FALSE	195.25		180	0.07263	0.0000913
5480404175300	548040	4175300	9.12408	9.12408	42.69725	42.69725	FALSE	58.6831059	9.12408	FALSE	175.37		160	0.0807	0.0001015
5480604175300	548060	4175300	8.972297	8.972297	37.0339	37.0339	FALSE	50.899388	8.972297	FALSE	155.53		150	0.09684	0.0001218
5480804175300	548080	4175300	8.88185	8.88185	33.78552	33.78552	FALSE	46.4348159	8.88185	FALSE	135.73		130	0.12105	0.0001522
5481004175300	548100	4175300	8.825951	8.825951	32.00517	32.00517	FALSE	43.9879043	8.825951	FALSE	116.00		110	0.14526	0.0001827
5481204175300	548120	4175300	8.783177	8.783177	30.82233	30.82233	FALSE	42.362209	8.783177	FALSE	96.38		90	0.20175	0.0002537
5481404175300	548140	4175300	8.751704	8.751704	30.02831	30.02831	FALSE	41.2709024	8.751704	FALSE	76.96		70	0.25017	0.0003146
5481604175300	548160	4175300	8.73428	8.73428	29.75957	29.75957	FALSE	40.9015558	8.73428	FALSE	57.93		50	0.4035	0.0005075
5481804175300	548180	4175300	8.722732	8.722732	30.13292	30.13292	FALSE	41.4146852	8.722732	FALSE	39.87		35	0.51648	0.0006496
5482004175300	548200	4175300	8.72501	8.72501	31.25729	31.25729	FALSE	42.9600221	8.72501	FALSE	24.95	#N/A		#N/A	#N/A
5482204175300	548220	4175300	8.77104	8.77104	34.40744	34.40744	FALSE	47.2895855	8.77104	FALSE	21.35	#N/A		#N/A	#N/A
5482404175300	548240	4175300	8.908057	8.908057	43.3142	43.3142	FALSE	59.5310324	8.908057	FALSE	33.00		30	0.58911	0.0007409
5482604175300	548260	4175300	8.962927	8.962927	47.15019	47.15019	FALSE	64.8032156	8.962927	FALSE	50.22		50	0.4035	0.0005075
5482804175300	548280	4175300	8.897921	8.897921	44.01314	44.01314	FALSE	60.4916651	8.897921	FALSE	68.96		60	0.33087	0.0004161
5483004175300	548300	4175300	8.668023	8.668023	30.6251	30.6251	FALSE	42.0911306	8.668023	FALSE	88.26		80	0.22596	0.0002842
5483204175300	548320	4175300	8.585019	8.585019	25.78503	25.78503	FALSE	35.4389425	8.585019	FALSE	107.81		100	0.17754	0.0002233
5483404175300	548340	4175300	8.547609	8.547609	23.41557	23.41557	FALSE	32.1823635	8.547609	FALSE	127.50		120	0.12912	0.0001624
5483604175300	548360	4175300	8.533406	8.533406	22.20472	22.20472	FALSE	30.5181644	8.533406	FALSE	147.27		140	0.11298	0.0001421
5483804175300	548380	4175300	8.511678	8.511678	20.82012	20.82012	FALSE	28.6151702	8.511678	FALSE	167.10		160	0.0807	0.0001015
5484004175300	548400	4175300	8.482359	8.482359	19.24533	19.24533	FALSE	26.4507843	8.482359	FALSE	186.96		180	0.07263	0.0000913
5484204175300	548420	4175300	8.478513	8.478513	18.75013	18.75013	FALSE	25.7701828	8.478513	FALSE	206.85		200	0.06456	0.0000812
5484404175300	548440	4175300	8.489567	8.489567	18.82358	18.82358	FALSE	25.8711242	8.489567	FALSE	226.76		220	0.05649	0.0000710
5484604175300	548460	4175300	8.509803	8.509803	19.16103	19.16103	FALSE	26.3349128	8.509803	FALSE	246.69		240	0.04842	0.0000609
5484804175300	548480	4175300	8.553809	8.553809	20.46483	20.46483	FALSE	28.1268624	8.553809	FALSE	266.62		260	0.04035	0.0000507
5485004175300	548500	4175300	8.605263	8.605263	22.06257	22.06257	FALSE	30.322799	8.605263	FALSE	286.57		280	0.03228	0.0000406
5485204175300	548520	4175300	8.65306	8.65306	23.45928	23.45928	FALSE	32.2424372	8.65306	FALSE	306.52		280	0.03228	0.0000406
5485404175300	548540	4175300	8.682285	8.682285	24.27146	24.27146	FALSE	33.3586946	8.682285	FALSE	326.48		280	0.03228	0.0000406
5485604175300	548560	4175300	8.728132	8.728132	25.60306	25.60306	FALSE	35.1888484	8.728132	FALSE	346.44		280	0.03228	0.0000406
5485804175300	548580	4175300	8.801535	8.801535	27.83297	27.83297	FALSE	38.2536381	8.801535	FALSE	366.41		280	0.03228	0.0000406
5486004175300	548600	4175300	8.950823	8.950823	32.51656	32.51656	FALSE	44.6907628	8.950823	FALSE	386.38		280	0.03228	0.0000406
5486204175300	548620	4175300	9.153331	9.153331	38.976	38.976	FALSE	53.5686089	9.153331	FALSE	406.35		280	0.03228	0.0000406
5486404175300	548640	4175300	9.396175	9.396175	46.02576	46.02576	TRUE	63.25781	9.396175	TRUE	426.33		280	0.03228	0.0000406
5486604175300	548660	4175300	10.00127	10.00127	64.0593	64.0593	TRUE	88.0430992	10.001272	TRUE	446.31		280	0.03228	0.0000406
5486804175300	548680	4175300	10.58905	10.58905	78.66148	78.66148	FALSE	108.112337	10.589051	FALSE	466.28		280	0.03228	0.0000406
5487004175300	548700	4175300	10.57473	10.57473	77.56649	77.56649	FALSE	106.607382	10.574726	FALSE	486.27		280	0.03228	0.0000406
5487204175300	548720	4175300	10.12297	10.12297	68.31106	68.31106	TRUE	93.8867195	10.122971	TRUE	506.25		280	0.03228	0.0000406
5487404175300	548740	4175300	9.67319	9.67319	54.83155	54.83155	TRUE	75.3604754	9.67319	TRUE	526.23		280	0.03228	0.0000406
5487604175300	548760	4175300	9.353287	9.353287	44.0392	44.0392	FALSE	60.5274737	9.353287	FALSE	546.22		280	0.03228	0.0000406
5487804175300	548780	4175300	9.17727	9.17727	38.36451	38.36451	FALSE	52.7281784	9.17727	FALSE	566.21		280	0.03228	0.0000406
5488004175300	548800	4175300	9.059019	9.059019	34.65203	34.65203	FALSE	47.6257487	9.059019	FALSE	586.19		280	0.03228	0.0000406
5488204175300	548820	4175300	8.971745	8.971745	31.96365	31.96365	FALSE	43.9308433	8.971745	FALSE	606.18		280	0.03228	0.0000406
5488404175300	548840	4175300	8.903669	8.903669	29.9783	29.9783	FALSE	41.2021796	8.903669	FALSE	626.17		280	0.03228	0.0000406
5488604175300	548860	4175300	8.851656	8.851656	28.48763	28.48763	FALSE	39.1533987	8.851656	FALSE	646.16		280	0.03228	0.0000406
5488804175300	548880	4175300	8.813618	8.813618	27.40784	27.40784	FALSE	37.6693394	8.813618	FALSE	666.15		280	0.03228	0.0000406
5489004175300	548900	4175300	8.787957	8.787957	26.66655	26.66655	FALSE	36.6505104	8.787957	FALSE	686.14		280	0.03228	0.0000406
5489204175300	548920	4175300	8.769574	8.769574	26.15671	26.15671	FALSE	35.9497754	8.769574	FALSE	706.13		280	0.03228	0.0000406
5489404175300	548940	4175300	8.761377	8.761377	25.97747	25.97747	FALSE	35.7034334	8.761377	FALSE	726.12		280	0.03228	0.0000406
5489604175300	548960	4175300	8.778878	8.778878	26.61994	26.61994	FALSE	36.5864455	8.778878	FALSE	746.12		280	0.03228	0.0000406
5489804175300	548980	4175300	8.748184	8.748184	25.76714	25.76714	FALSE	35.4143558	8.748184	FALSE	766.11		280	0.03228	0.0000406
5490004175300	549000	4175300	8.792791	8.792791	27.29982	27.29982	FALSE	37.5208685	8.792791	FALSE	786.10		280	0.03228	0.0000406
5490204175300	549020	4175300	8.721437	8.721437	25.26146	25.26146	FALSE	34.7193479	8.721437	FALSE	806.09		280	0.03228	0.0000406
5490404175300	549040	4175300	8.692445	8.692445	24.67455	24.67455	FALSE	33.912707	8.692445	FALSE	826.09		280	0.03228	0.0000406
5490604175300	549060	4175300	8.679432	8.679432	24.85063	24.85063	FALSE	34.1547059	8.679432	FALSE	846.08		280	0.03228	0.0000406
5490804175300	549080	4175300	8.695902	8.695902	26.83923	26.83923	FALSE	36.8878405	8.695902	FALSE	866.08		280	0.03228	0.0000406
5491004175300	549100	4175300	8.70934	8.70934	28.37462	28.37462	FALSE	38.9980819	8.70934	FALSE	886.07		280	0.03228	0.0000406
5491204175300	549120	4175300	8.664674	8.664674	25.35398	25.35398	FALSE	34.846506	8.664674	FALSE	906.07		280	0.03228	0.0000406
5491404175300	549140	4175300	8.642814	8.642814	24.07296	24.07296	FALSE	33.085879	8.642814	FALSE	926.06		280	0.03228	0.0000406
5469604175320	546960	4175320	8.266305	8.266305	7.718957	7.718957	FALSE	10.6089345	8.266305	FALSE	1254.82		280	0.03228	0.0000406
5469804175320	546980	4175320	8.264018	8.264018	7.610434	7.610434	FALSE	10.4597805	8.264018	FALSE	1234.83		280	0.03228	0.0000406
5470004175320	547000	4175320	8.261517	8.261517	7.480117	7.480117	FALSE	10.2806728	8.261517	FALSE	1214.84		280	0.03228	0.0000406
5470204175320	547020	4175320	8.259458	8.259458	7.349638	7.349638	FALSE	10.1013425	8.259458	FALSE	1194.86		280	0.03228	0.0000406
5470404175320	547040	4175320	8.259647	8.259647	7.336132	7.336132	FALSE	10.0827798	8.259647	FALSE	1174.87		280	0.03228	0.0000406
5470604175320	547060	4175320	8.25903	8.25903	7.297819	7.297819	FALSE	10.0301224	8.25903	FALSE	1154.88		280	0.03228	0.0000406
5470804175320	547080	4175320	8.258706	8.258706	7.271473	7.271473	FALSE	9.99391249	8.258706	FALSE	1134.89		280	0.03228	0.0000406
5471004175320	547100	4175320	8.258724	8.258724	7.226534	7.226534	FALSE	9.93214833	8.258724	FALSE	1114.91		280	0.03228	0.0000406
5471204175320	547120	4175320	8.260699	8.260699	7.262895	7.262895	FALSE	9.98212289	8.260699	FALSE	1094.92		280	0.03228	0.0000406
5471404175320	547140	4175320	8.263021	8.263021	7.313731	7.313731	FALSE	10.0519919	8.263021	FALSE	1074.93		280	0.03228	0.0000406
5471604175320	547160	4175320	8.266509	8.266509	7.379909	7.379909	FALSE	10.1429469	8.266509	FALSE	1054.95		280	0.03228	0.0000406
5471804175320	547180	4175320	8.283551	8.283551	7.752487	7.752487	FALSE	10.6550181	8.283551	FALSE	1034.96		280	0.03228	0.0000406
5472004175320	547200	4175320	8.303132	8.303132	8.091468	8.091468	FALSE	11.1209136	8.303132	FALSE	1014.98		280	0.03228	0.0000406
5472204175320	547220	4175320	8.306771	8.306771	8.160915	8.160915	FALSE	11.2163616	8.306771	FALSE	994.99		280	0.03228	0.0000406
5472404175320	547240	4175320	8.287725	8.287725	7.804185	7.804185	FALSE	10.7260719	8.287725	FALSE	975.01		280	0.03228	0.0000406
5472604175320	547260	4175320	8.280816	8.280816	7.754796	7.754796	FALSE	10.6581916	8.280816	FALSE	955.03		280	0.03228	0.0000406
5472804175320	547280	4175320	8.271763	8.271763	7.454536	7.454536	FALSE	10.2455143	8.271763	FALSE	935.05		280	0.03228	0.0000406
5473004175320	547300	4175320	8.269703	8.269703	7.349175	7.349175	FALSE	10.1007061	8.269703	FALSE	915.07		280	0.03228	0.0000406
5473204175320	547320	4175320	8.271792	8.271792	7.41486	7.41486	FALSE	10.1909836	8.271792	FALSE	895.09		280	0.03228	0.0000406
5473404175320	547340	4175320	8.278549	8.278549	7.657024	7.657024	FALSE	10.5238138	8.278549	FALSE	875.11		280	0.03228	0.0000406

5473604175320	547360	4175320	8.285209	8.285209	7.888278	7.888278	FALSE	10.8416493	8.285209	FALSE	855.13	280	0.03228	0.0000406
5473804175320	547380	4175320	8.301275	8.301275	8.379701	8.379701	FALSE	11.5170611	8.301275	FALSE	835.15	280	0.03228	0.0000406
5474004175320	547400	4175320	8.308407	8.308407	8.617752	8.617752	FALSE	11.8442383	8.308407	FALSE	815.18	280	0.03228	0.0000406
5474204175320	547420	4175320	8.314656	8.314656	8.827569	8.827569	FALSE	12.1326108	8.314656	FALSE	795.20	280	0.03228	0.0000406
5474404175320	547440	4175320	8.321047	8.321047	9.052277	9.052277	FALSE	12.4414495	8.321047	FALSE	775.23	280	0.03228	0.0000406
5474604175320	547460	4175320	8.330019	8.330019	9.306729	9.306729	FALSE	12.7911683	8.330019	FALSE	755.26	280	0.03228	0.0000406
5474804175320	547480	4175320	8.332034	8.332034	9.435988	9.435988	FALSE	12.9688219	8.332034	FALSE	735.29	280	0.03228	0.0000406
5475004175320	547500	4175320	8.335299	8.335299	9.47904	9.47904	FALSE	13.0279926	8.335299	FALSE	715.32	280	0.03228	0.0000406
5475204175320	547520	4175320	8.331668	8.331668	9.337721	9.337721	FALSE	12.8337637	8.331668	FALSE	695.35	280	0.03228	0.0000406
5475404175320	547540	4175320	8.335686	8.335686	9.498731	9.498731	FALSE	13.0550559	8.335686	FALSE	675.39	280	0.03228	0.0000406
5475604175320	547560	4175320	8.342692	8.342692	9.787143	9.787143	FALSE	13.4514493	8.342692	FALSE	655.42	280	0.03228	0.0000406
5475804175320	547580	4175320	8.345873	8.345873	9.960422	9.960422	FALSE	13.689604	8.345873	FALSE	635.46	280	0.03228	0.0000406
5476004175320	547600	4175320	8.354478	8.354478	10.31304	10.31304	FALSE	14.1742477	8.354478	FALSE	615.50	280	0.03228	0.0000406
5476204175320	547620	4175320	8.373863	8.373863	10.97496	10.97496	FALSE	15.0839878	8.373863	FALSE	595.55	280	0.03228	0.0000406
5476404175320	547640	4175320	8.395437	8.395437	11.70766	11.70766	FALSE	16.091001	8.395437	FALSE	575.60	280	0.03228	0.0000406
5476604175320	547660	4175320	8.40685	8.40685	12.15578	12.15578	FALSE	16.7069095	8.40685	FALSE	555.65	280	0.03228	0.0000406
5476804175320	547680	4175320	8.405124	8.405124	12.29414	12.29414	FALSE	16.897066	8.405124	FALSE	535.70	280	0.03228	0.0000406
5477004175320	547700	4175320	8.430109	8.430109	13.57607	13.57607	FALSE	18.6589561	8.430109	FALSE	515.76	280	0.03228	0.0000406
5477204175320	547720	4175320	8.467546	8.467546	15.40565	15.40565	FALSE	21.1735309	8.467546	FALSE	495.83	280	0.03228	0.0000406
5477404175320	547740	4175320	8.526931	8.526931	18.11879	18.11879	FALSE	24.9024677	8.526931	FALSE	475.90	280	0.03228	0.0000406
5477604175320	547760	4175320	8.56598	8.56598	20.60405	20.60405	FALSE	28.3182008	8.56598	FALSE	455.97	280	0.03228	0.0000406
5477804175320	547780	4175320	8.585716	8.585716	22.11737	22.11737	FALSE	30.3981147	8.585716	FALSE	436.06	280	0.03228	0.0000406
5478004175320	547800	4175320	8.605158	8.605158	22.62314	22.62314	FALSE	31.093245	8.605158	FALSE	416.15	280	0.03228	0.0000406
5478204175320	547820	4175320	8.640522	8.640522	23.91199	23.91199	FALSE	32.8646391	8.640522	FALSE	396.25	280	0.03228	0.0000406
5478404175320	547840	4175320	8.703378	8.703378	26.33915	26.33915	FALSE	36.2005319	8.703378	FALSE	376.36	280	0.03228	0.0000406
5478604175320	547860	4175320	8.791606	8.791606	30.08	30.08	FALSE	41.3419451	8.791606	FALSE	356.48	280	0.03228	0.0000406
5478804175320	547880	4175320	8.965401	8.965401	37.9615	37.9615	FALSE	52.1742787	8.965401	FALSE	336.62	280	0.03228	0.0000406
5479004175320	547900	4175320	8.987147	8.987147	39.47798	39.47798	FALSE	54.2585288	8.987147	FALSE	316.77	280	0.03228	0.0000406
5479204175320	547920	4175320	9.218058	9.218058	50.50236	50.50236	FALSE	69.4104491	9.218058	FALSE	296.95	280	0.03228	0.0000406
5479404175320	547940	4175320	9.38594	9.38594	54.87858	54.87858	FALSE	75.4251231	9.38594	FALSE	277.15	260	0.04035	0.00005075
5479604175320	547960	4175320	9.119601	9.119601	43.91646	43.91646	FALSE	60.3587881	9.119601	FALSE	257.38	240	0.04842	0.0000609
5479804175320	547980	4175320	8.94342	8.94342	36.30803	36.30803	FALSE	49.9017578	8.94342	FALSE	237.65	220	0.05649	0.00007105
5480004175320	548000	4175320	8.844932	8.844932	32.08202	32.08202	FALSE	44.0935255	8.844932	FALSE	217.97	200	0.06456	0.0000812
5480204175320	548020	4175320	8.783064	8.783064	29.44842	29.44842	FALSE	40.473903	8.783064	FALSE	198.35	180	0.07263	0.00009135
5480404175320	548040	4175320	8.729237	8.729237	27.24479	27.24479	FALSE	37.4452449	8.729237	FALSE	178.82	160	0.0807	0.0001015
5480604175320	548060	4175320	8.697408	8.697408	26.1082	26.1082	FALSE	35.8831156	8.697408	FALSE	159.41	150	0.09684	0.0001218
5480804175320	548080	4175320	8.674373	8.674373	25.42275	25.42275	FALSE	34.9410249	8.674373	FALSE	140.16	140	0.11298	0.0001421
5481004175320	548100	4175320	8.658116	8.658116	25.06272	25.06272	FALSE	34.4462079	8.658116	FALSE	121.15	120	0.12912	0.0001624
5481204175320	548120	4175320	8.644629	8.644629	24.87588	24.87588	FALSE	34.1894095	8.644629	FALSE	102.52	100	0.17754	0.0002233
5481404175320	548140	4175320	8.63792	8.63792	25.01742	25.01742	FALSE	34.3839352	8.63792	FALSE	84.52	80	0.22596	0.0002842
5481604175320	548160	4175320	8.639365	8.639365	25.58073	25.58073	FALSE	35.1581539	8.639365	FALSE	67.66	60	0.33087	0.00041615
5481804175320	548180	4175320	8.643315	8.643315	26.6548	26.6548	FALSE	36.6343571	8.643315	FALSE	53.02	50	0.4035	0.0005075
5482004175320	548200	4175320	8.659636	8.659636	28.43932	28.43932	FALSE	39.0870069	8.659636	FALSE	42.95	40	0.46806	0.0005887
5482204175320	548220	4175320	8.721489	8.721489	32.48636	32.48636	FALSE	44.6492573	8.721489	FALSE	40.96	40	0.46806	0.0005887
5482404175320	548240	4175320	8.870096	8.870096	41.93655	41.93655	FALSE	57.6375874	8.870096	FALSE	48.07	40	0.46806	0.0005887
5482604175320	548260	4175320	8.952188	8.952188	47.26298	47.26298	FALSE	64.9582438	8.952188	FALSE	61.19	60	0.33087	0.00041615
5482804175320	548280	4175320	8.894685	8.894685	44.3842	44.3842	FALSE	61.0016459	8.894685	FALSE	77.31	70	0.25017	0.00031465
5483004175320	548300	4175320	8.648698	8.648698	30.12833	30.12833	FALSE	41.4083713	8.648698	FALSE	94.93	90	0.20175	0.00025375
5483204175320	548320	4175320	8.556834	8.556834	24.8776	24.8776	FALSE	34.1917666	8.556834	FALSE	113.33	110	0.14526	0.0001827
5483404175320	548340	4175320	8.515827	8.515827	22.38543	22.38543	FALSE	30.7665364	8.515827	FALSE	132.20	130	0.12105	0.00015225
5483604175320	548360	4175320	8.495964	8.495964	20.96359	20.96359	FALSE	28.8123622	8.495964	FALSE	151.36	150	0.09684	0.0001218
5483804175320	548380	4175320	8.481396	8.481396	19.89819	19.89819	FALSE	27.3480655	8.481396	FALSE	170.72	160	0.0807	0.0001015
5484004175320	548400	4175320	8.463283	8.463283	18.75765	18.75765	FALSE	25.7805128	8.463283	FALSE	190.20	180	0.07263	0.00009135
5484204175320	548420	4175320	8.459484	8.459484	18.26467	18.26467	FALSE	25.1029666	8.459484	FALSE	209.79	200	0.06456	0.0000812
5484404175320	548440	4175320	8.46686	8.46686	18.21836	18.21836	FALSE	25.0393181	8.46686	FALSE	229.44	220	0.05649	0.00007105
5484604175320	548460	4175320	8.483863	8.483863	18.5755	18.5755	FALSE	25.5301645	8.483863	FALSE	249.15	240	0.04842	0.0000609
5484804175320	548480	4175320	8.51806	8.51806	19.56048	19.56048	FALSE	26.8839196	8.51806	FALSE	268.91	260	0.04035	0.00005075
5485004175320	548500	4175320	8.561735	8.561735	20.85732	20.85732	FALSE	28.6663047	8.561735	FALSE	288.69	280	0.03228	0.0000406
5485204175320	548520	4175320	8.606851	8.606851	22.22425	22.22425	FALSE	30.5450023	8.606851	FALSE	308.51	280	0.03228	0.0000406
5485404175320	548540	4175320	8.645041	8.645041	23.33745	23.33745	FALSE	32.0749844	8.645041	FALSE	328.34	280	0.03228	0.0000406
5485604175320	548560	4175320	8.696387	8.696387	24.84521	24.84521	FALSE	34.1472539	8.696387	FALSE	348.20	280	0.03228	0.0000406
5485804175320	548580	4175320	8.76671	8.76671	26.95179	26.95179	FALSE	37.0425416	8.76671	FALSE	368.07	280	0.03228	0.0000406
5486004175320	548600	4175320	8.908982	8.908982	31.3159	31.3159	FALSE	43.0405743	8.908982	FALSE	387.96	280	0.03228	0.0000406
5486204175320	548620	4175320	9.087991	9.087991	36.83647	36.83647	FALSE	50.6280485	9.087991	FALSE	407.85	280	0.03228	0.0000406
5486404175320	548640	4175320	9.35433	9.35433	45.38291	45.38291	TRUE	62.3742756	9.35433	TRUE	427.76	280	0.03228	0.0000406
5486604175320	548660	4175320	9.881591	9.881591	61.7715	61.7715	TRUE	84.8987523	9.881591	TRUE	447.67	280	0.03228	0.0000406
5486804175320	548680	4175320	9.810291	9.810291	57.7841	57.7841	FALSE	79.4184684	9.810291	FALSE	467.59	280	0.03228	0.0000406
5487004175320	548700	4175320	10.04097	10.04097	64.06613	64.06613	FALSE	88.0524877	10.040968	FALSE	487.52	280	0.03228	0.0000406
5487204175320	548720	4175320	10.42429	10.42429	75.70185	75.70185	TRUE	104.044628	10.424292	TRUE	507.45	280	0.03228	0.0000406
5487404175320	548740	4175320	9.821148	9.821148	59.71968	59.71968	TRUE	82.0787213	9.821148	TRUE	527.39	280	0.03228	0.0000406
5487604175320	548760	4175320	9.419514	9.419514	46.13451	46.13451	FALSE	63.407276	9.419514	FALSE	547.34	280	0.03228	0.0000406
5487804175320	548780	4175320	9.216009	9.216009	39.56181	39.56181	FALSE	54.3737572	9.216009	FALSE	567.28	280	0.03228	0.0000406
5488004175320	548800	4175320	9.080751	9.080751	35.27163	35.27163	FALSE	48.4773338	9.080751	FALSE	587.23	280	0.03228	0.0000406
5488204175320	548820	4175320	8.984002	8.984002	32.25334	32.25334	FALSE	44.3289891	8.984002	FALSE	607.19	280	0.03228	0.0000406
5488404175320	548840	4175320	8.909049	8.909049	30.02189	30.02189	FALSE	41.2620829	8.909049	FALSE	627.14	280	0.03228	0.0000406
5488604175320	548860	4175320	8.851743	8.851743	28.34314	28.34314	FALSE	38.9548116	8.851743	FALSE	647.10	280	0.03228	0.0000406
5488804175320	548880	4175320	8.809837	8.809837	27.12017	27.12017	FALSE	37.2739575	8.809837	FALSE	667.07	280	0.03228	0.0000406
5489004175320	548900	4175320	8.780172	8.780172	26.22163	26.22163	FALSE	36.0390069	8.780172	FALSE	687.03	280	0.03228	0.0000406
5489204175320	548920	4175320	8.75795	8.75795	25.56861	25.56861	FALSE	35.1414921	8.75795	FALSE	707.00	280	0.03228	0.0000406
5489404175320	548940	4175320	8.744351	8.744351	25.20688	25.20688	FALSE	34.6443372	8.744351	FALSE	726.96	280	0.03228	0.0000406
5489604175320	548960	4175320	8.746066	8.746066	25.33742	25.33742	FALSE	34.8237432	8.746066	FALSE	746.93	280	0.03228	0.0000406
5489804175320	548980	4175320	8.77779	8.77779	26.43089	26.43089	FALSE	36.3266097	8.77779	FALSE	766.90	280	0.03228	0.0000406
5490004175320	549000	4175320	8.72681	8.72681	24.93739	24.93739	FALSE	34.2739488	8.72681	FALSE	786.88	280	0.03228	0.0000406
5490204175320	549020	4175320	8.737782	8.737782	25.3986	25.3986	FALSE	34.9078358	8.737782	FALSE	806.85	280	0.03228	0.0000406
5490404175320	549040	4175320	8.688362	8.688362	24.08872	24.08872	FALSE	33.1075368	8.688362	FALSE	826.83	280	0.03228	0.0000406
5490604175320	549060	4175320	8.664354	8.664354	23.71697	23.71697	FALSE	32.5966049	8.664354	FALSE	846.80	280	0.03228	0.0000406
5490804175320	549080	4175320	8.665566	8.665566	24.65313	24.65313	FALSE	33.883266	8.665566	FALSE	866.78	280	0.03228	0.0000406
5491004175320	549100	4175320	8.707969	8.707969	28.83369	28.83369	FALSE	39.6290249	8.707969	FALSE	886.76	280	0.03228	0.0000406
5491204175320	549120	4175320	8.665012	8.665012	25.90866	25.90866	FALSE	35.6088568	8.665012	FALSE	906.74	280	0.03228	0.0000406
5491404175320	549140	4175320	8.635423	8.635423	24.11406	24.11406	FALSE	33.1423586	8.635423	FALSE	926.72	280	0.03228	0.0000406
5469404175340	546940	4175340	8.270463	8.270463	7.942584	7.942584	FALSE	10.9162874	8.270463	FALSE	1275.61	280	0.03228	0.0000406
5469604175340	546960	4175340	8.267533	8.267533	7.788303	7.788303	FALSE	10.7042436	8.267533	FALSE	1255.63	280	0.03228	0.0000406
5469804175340	546980	4175340	8.265151	8.265151	7.660602	7.660602	FALSE	10.5287314	8.265151	FALSE	1235.65	280	0.03228	0.0000406
5470004175340	547000	4175340	8.262843	8.262843	7.53707	7.53707	FALSE	10.358949	8.262843	FALSE	1215.68	280	0.03228	0.0000406

5470204175340	547020	4175340	8.261257	8.261257	7.439266	7.439266	FALSE	10.2245272	8.261257	FALSE	1195.70	280	0.03228	0.0000406
5470404175340	547040	4175340	8.261636	8.261636	7.432988	7.432988	FALSE	10.2158987	8.261636	FALSE	1175.73	280	0.03228	0.0000406
5470604175340	547060	4175340	8.261278	8.261278	7.412048	7.412048	FALSE	10.1871188	8.261278	FALSE	1155.75	280	0.03228	0.0000406
5470804175340	547080	4175340	8.261126	8.261126	7.405477	7.405477	FALSE	10.1780876	8.261126	FALSE	1135.78	280	0.03228	0.0000406
5471004175340	547100	4175340	8.261322	8.261322	7.368703	7.368703	FALSE	10.1275454	8.261322	FALSE	1115.81	280	0.03228	0.0000406
5471204175340	547120	4175340	8.26337	8.26337	7.409657	7.409657	FALSE	10.1838326	8.26337	FALSE	1095.84	280	0.03228	0.0000406
5471404175340	547140	4175340	8.265759	8.265759	7.464952	7.464952	FALSE	10.25983	8.265759	FALSE	1075.87	280	0.03228	0.0000406
5471604175340	547160	4175340	8.269113	8.269113	7.520543	7.520543	FALSE	10.3362343	8.269113	FALSE	1055.90	280	0.03228	0.0000406
5471804175340	547180	4175340	8.285519	8.285519	7.885327	7.885327	FALSE	10.8375934	8.285519	FALSE	1035.94	280	0.03228	0.0000406
5472004175340	547200	4175340	8.301297	8.301297	8.159441	8.159441	FALSE	11.2143357	8.301297	FALSE	1015.97	280	0.03228	0.0000406
5472204175340	547220	4175340	8.318883	8.318883	8.50721	8.50721	FALSE	11.6923094	8.318883	FALSE	996.01	280	0.03228	0.0000406
5472404175340	547240	4175340	8.294887	8.294887	8.067157	8.067157	FALSE	11.0875006	8.294887	FALSE	976.05	280	0.03228	0.0000406
5472604175340	547260	4175340	8.287361	8.287361	8.01037	8.01037	FALSE	11.0094525	8.287361	FALSE	956.09	280	0.03228	0.0000406
5472804175340	547280	4175340	8.278691	8.278691	7.725629	7.725629	FALSE	10.6181045	8.278691	FALSE	936.13	280	0.03228	0.0000406
5473004175340	547300	4175340	8.278137	8.278137	7.660745	7.660745	FALSE	10.5289279	8.278137	FALSE	916.17	280	0.03228	0.0000406
5473204175340	547320	4175340	8.282162	8.282162	7.779413	7.779413	FALSE	10.6920252	8.282162	FALSE	896.21	280	0.03228	0.0000406
5473404175340	547340	4175340	8.289138	8.289138	8.030709	8.030709	FALSE	11.0374064	8.289138	FALSE	876.26	280	0.03228	0.0000406
5473604175340	547360	4175340	8.295125	8.295125	8.263583	8.263583	FALSE	11.3574685	8.295125	FALSE	856.31	280	0.03228	0.0000406
5473804175340	547380	4175340	8.310247	8.310247	8.771492	8.771492	FALSE	12.0555386	8.310247	FALSE	836.36	280	0.03228	0.0000406
5474004175340	547400	4175340	8.315159	8.315159	8.978119	8.978119	FALSE	12.3395268	8.315159	FALSE	816.42	280	0.03228	0.0000406
5474204175340	547420	4175340	8.32181	8.32181	9.226541	9.226541	FALSE	12.680958	8.32181	FALSE	796.47	280	0.03228	0.0000406
5474404175340	547440	4175340	8.331211	8.331211	9.559236	9.559236	FALSE	13.138214	8.331211	FALSE	776.53	280	0.03228	0.0000406
5474604175340	547460	4175340	8.342518	8.342518	9.911097	9.911097	FALSE	13.6218117	8.342518	FALSE	756.59	280	0.03228	0.0000406
5474804175340	547480	4175340	8.3528	8.3528	10.24765	10.24765	FALSE	14.0843688	8.3528	FALSE	736.66	280	0.03228	0.0000406
5475004175340	547500	4175340	8.350918	8.350918	10.22308	10.22308	FALSE	14.0505957	8.350918	FALSE	716.73	280	0.03228	0.0000406
5475204175340	547520	4175340	8.348474	8.348474	10.1385	10.1385	FALSE	13.9343517	8.348474	FALSE	696.80	280	0.03228	0.0000406
5475404175340	547540	4175340	8.35447	8.35447	10.37833	10.37833	FALSE	14.2639768	8.35447	FALSE	676.88	280	0.03228	0.0000406
5475604175340	547560	4175340	8.365943	8.365943	10.83429	10.83429	FALSE	14.8906441	8.365943	FALSE	656.96	280	0.03228	0.0000406
5475804175340	547580	4175340	8.374093	8.374093	11.19771	11.19771	FALSE	15.3901271	8.374093	FALSE	637.05	280	0.03228	0.0000406
5476004175340	547600	4175340	8.388303	8.388303	11.7705	11.7705	FALSE	16.1773807	8.388303	FALSE	617.14	280	0.03228	0.0000406
5476204175340	547620	4175340	8.412748	8.412748	12.62781	12.62781	FALSE	17.3556566	8.412748	FALSE	597.24	280	0.03228	0.0000406
5476404175340	547640	4175340	8.440202	8.440202	13.58522	13.58522	FALSE	18.6715277	8.440202	FALSE	577.35	280	0.03228	0.0000406
5476604175340	547660	4175340	8.463351	8.463351	14.48427	14.48427	FALSE	19.9071752	8.463351	FALSE	557.46	280	0.03228	0.0000406
5476804175340	547680	4175340	8.478206	8.478206	15.33047	15.33047	FALSE	21.0701952	8.478206	FALSE	537.59	280	0.03228	0.0000406
5477004175340	547700	4175340	8.519833	8.519833	17.34883	17.34883	FALSE	23.844232	8.519833	FALSE	517.72	280	0.03228	0.0000406
5477204175340	547720	4175340	8.574125	8.574125	20.00148	20.00148	FALSE	27.49003	8.574125	FALSE	497.86	280	0.03228	0.0000406
5477404175340	547740	4175340	8.652436	8.652436	24.05991	24.05991	FALSE	33.0679458	8.652436	FALSE	478.02	280	0.03228	0.0000406
5477604175340	547760	4175340	8.762515	8.762515	32.36498	32.36498	FALSE	44.4824271	8.762515	FALSE	458.19	280	0.03228	0.0000406
5477804175340	547780	4175340	8.892441	8.892441	43.35137	43.35137	FALSE	59.5821229	8.892441	FALSE	438.37	280	0.03228	0.0000406
5478004175340	547800	4175340	8.963831	8.963831	41.85472	41.85472	FALSE	57.5251327	8.963831	FALSE	418.57	280	0.03228	0.0000406
5478204175340	547820	4175340	9.088995	9.088995	44.77625	44.77625	FALSE	61.5404725	9.088995	FALSE	398.79	280	0.03228	0.0000406
5478404175340	547840	4175340	9.295392	9.295392	52.13942	52.13942	FALSE	71.660423	9.295392	FALSE	379.03	280	0.03228	0.0000406
5478604175340	547860	4175340	9.210066	9.210066	46.61718	46.61718	FALSE	64.0706508	9.210066	FALSE	359.30	280	0.03228	0.0000406
5478804175340	547880	4175340	9.125424	9.125424	42.49159	42.49159	FALSE	58.4004468	9.125424	FALSE	339.61	280	0.03228	0.0000406
5479004175340	547900	4175340	9.080963	9.080963	40.67175	40.67175	FALSE	55.8992505	9.080963	FALSE	319.95	280	0.03228	0.0000406
5479204175340	547920	4175340	8.928061	8.928061	35.65292	35.65292	FALSE	49.0013705	8.928061	FALSE	300.33	280	0.03228	0.0000406
5479404175340	547940	4175340	8.812691	8.812691	30.70675	30.70675	FALSE	42.2033503	8.812691	FALSE	280.77	280	0.03228	0.0000406
5479604175340	547960	4175340	8.731153	8.731153	27.13443	27.13443	FALSE	37.2935551	8.731153	FALSE	261.28	260	0.04035	0.00005075
5479804175340	547980	4175340	8.677761	8.677761	24.85974	24.85974	FALSE	34.1672294	8.677761	FALSE	241.87	240	0.04842	0.0000609
5480004175340	548000	4175340	8.639554	8.639554	23.34731	23.34731	FALSE	32.0885442	8.639554	FALSE	222.56	220	0.05649	0.00007105
5480204175340	548020	4175340	8.620593	8.620593	22.68318	22.68318	FALSE	31.175764	8.620593	FALSE	203.39	200	0.06456	0.0000812
5480404175340	548040	4175340	8.600999	8.600999	22.0621	22.0621	FALSE	30.3221447	8.600999	FALSE	184.39	180	0.07263	0.00009135
5480604175340	548060	4175340	8.58988	8.58988	21.76467	21.76467	FALSE	29.9133652	8.58988	FALSE	165.63	160	0.0807	0.0001015
5480804175340	548080	4175340	8.581142	8.581142	21.62339	21.62339	FALSE	29.7191858	8.581142	FALSE	147.19	140	0.11298	0.0001421
5481004175340	548100	4175340	8.575271	8.575271	21.65541	21.65541	FALSE	29.7631996	8.575271	FALSE	129.23	120	0.12912	0.0001624
5481204175340	548120	4175340	8.569901	8.569901	21.80956	21.80956	FALSE	29.9750606	8.569901	FALSE	111.95	110	0.14526	0.0001827
5481404175340	548140	4175340	8.572716	8.572716	22.34589	22.34589	FALSE	30.7121871	8.572716	FALSE	95.74	90	0.20175	0.00025375
5481604175340	548160	4175340	8.583811	8.583811	23.29589	23.29589	FALSE	32.0178685	8.583811	FALSE	81.24	80	0.22596	0.0002842
5481804175340	548180	4175340	8.596792	8.596792	24.78625	24.78625	FALSE	34.0662275	8.596792	FALSE	69.52	60	0.33087	0.00041615
5482004175340	548200	4175340	8.622053	8.622053	27.0338	27.0338	FALSE	37.1552602	8.622053	FALSE	62.18	60	0.33087	0.00041615
5482204175340	548220	4175340	8.692623	8.692623	31.59847	31.59847	FALSE	43.4289372	8.692623	FALSE	60.82	60	0.33087	0.00041615
5482404175340	548240	4175340	8.849146	8.849146	41.39318	41.39318	FALSE	56.8907811	8.849146	FALSE	65.82	60	0.33087	0.00041615
5482604175340	548260	4175340	9.284005	9.284005	68.04256	68.04256	FALSE	93.5177	9.284005	FALSE	75.93	70	0.25017	0.00031465
5482804175340	548280	4175340	8.926719	8.926719	46.68937	46.68937	FALSE	64.1698646	8.926719	FALSE	89.44	80	0.22596	0.0002842
5483004175340	548300	4175340	8.664883	8.664883	31.44333	31.44333	FALSE	43.2157128	8.664883	FALSE	105.04	100	0.17754	0.0002233
5483204175340	548320	4175340	8.55174	8.55174	25.03184	25.03184	FALSE	34.403754	8.55174	FALSE	121.92	120	0.12912	0.0001624
5483404175340	548340	4175340	8.492172	8.492172	21.64271	21.64271	FALSE	29.7457461	8.492172	FALSE	139.64	130	0.12105	0.00015225
5483604175340	548360	4175340	8.475431	8.475431	20.43557	20.43557	FALSE	28.0866474	8.475431	FALSE	157.90	150	0.09684	0.0001218
5483804175340	548380	4175340	8.467183	8.467183	19.64505	19.64505	FALSE	27.0001581	8.467183	FALSE	176.54	160	0.0807	0.0001015
5484004175340	548400	4175340	8.458598	8.458598	18.85323	18.85323	FALSE	25.9118821	8.458598	FALSE	195.45	180	0.07263	0.00009135
5484204175340	548420	4175340	8.454416	8.454416	18.37161	18.37161	FALSE	25.2499463	8.454416	FALSE	214.55	200	0.06456	0.0000812
5484404175340	548440	4175340	8.459575	8.459575	18.37185	18.37185	FALSE	25.2502693	8.459575	FALSE	233.81	220	0.05649	0.00007105
5484604175340	548460	4175340	8.479633	8.479633	19.26488	19.26488	FALSE	26.4776497	8.479633	FALSE	253.18	240	0.04842	0.0000609
5484804175340	548480	4175340	8.506578	8.506578	20.23693	20.23693	FALSE	27.8136421	8.506578	FALSE	272.64	260	0.04035	0.00005075
5485004175340	548500	4175340	8.531671	8.531671	20.64122	20.64122	FALSE	28.3692928	8.531671	FALSE	292.17	280	0.03228	0.0000406
5485204175340	548520	4175340	8.568394	8.568394	21.66461	21.66461	FALSE	29.7758441	8.568394	FALSE	311.77	280	0.03228	0.0000406
5485404175340	548540	4175340	8.608764	8.608764	22.92078	22.92078	FALSE	31.5023214	8.608764	FALSE	331.41	280	0.03228	0.0000406
5485604175340	548560	4175340	8.664627	8.664627	24.69185	24.69185	FALSE	33.9364841	8.664627	FALSE	351.09	280	0.03228	0.0000406
5485804175340	548580	4175340	8.743067	8.743067	27.09504	27.09504	FALSE	37.2394189	8.743067	FALSE	370.81	280	0.03228	0.0000406
5486004175340	548600	4175340	8.878592	8.878592	31.14498	31.14498	FALSE	42.8056646	8.878592	FALSE	390.55	280	0.03228	0.0000406
5486204175340	548620	4175340	9.026911	9.026911	35.46402	35.46402	FALSE	48.7417491	9.026911	FALSE	410.32	280	0.03228	0.0000406
5486404175340	548640	4175340	9.227702	9.227702	41.55176	41.55176	TRUE	57.1087417	9.227702	TRUE	430.11	280	0.03228	0.0000406
5486604175340	548660	4175340	9.647747	9.647747	54.9893	54.9893	TRUE	75.5772967	9.647747	TRUE	449.92	280	0.03228	0.0000406
5486804175340	548680	4175340	10.21526	10.21526	70.23913	70.23913	FALSE	96.5366548	10.215259	FALSE	469.75	280	0.03228	0.0000406
5487004175340	548700	4175340	10.40309	10.40309	73.54975	73.54975	FALSE	101.086781	10.403088	FALSE	489.59	280	0.03228	0.0000406
5487204175340	548720	4175340	10.41923	10.41923	75.01632	75.01632	FALSE	103.102427	10.419225	FALSE	509.44	280	0.03228	0.0000406
5487404175340	548740	4175340	10.09406	10.09406	69.07269	69.07269	TRUE	94.9335051	10.094055	TRUE	529.31	280	0.03228	0.0000406
5487604175340	548760	4175340	9.520149	9.520149	49.6739	49.6739	FALSE	68.2718137	9.520149	FALSE	549.18	280	0.03228	0.0000406
5487804175340	548780	4175340	9.271545	9.271545	41.50936	41.50936	FALSE	57.0504699	9.271545	FALSE	569.06	280	0.03228	0.0000406
5488004175340	548800	4175340	9.114491	9.114491	36.404	36.404	FALSE	50.0336576	9.114491	FALSE	588.95	280	0.03228	0.0000406
5488204175340	548820	4175340	9.004772	9.004772	32.88458	32.88458	FALSE	45.1965654	9.004772	FALSE	608.85	280	0.03228	0.0000406
5488404175340	548840	4175340	8.922005	8.922005	30.3486	30.3486	FALSE	41.7111158	8.922005	FALSE	628.75	280	0.03228	0.0000406
5488604175340	548860	4175340	8.85892	8.85892	28.4641	28.4641	FALSE	39.1210618	8.85892	FALSE	648.66	280	0.03228	0.0000406
5488804175340	548880	4175340	8.812096	8.812096	27.06433	27.06433	FALSE	37.1972138	8.812096	FALSE	668.58	280	0.03228	0.0000406

5489004175340	548900	4175340	8.778383	8.778383	26.02494	26.02494	FALSE	35.7686707	8.778383	FALSE	688.50	280	0.03228	0.0000406
5489204175340	548920	4175340	8.752768	8.752768	25.25197	25.25197	FALSE	34.7063062	8.752768	FALSE	708.42	280	0.03228	0.0000406
5489404175340	548940	4175340	8.73456	8.73456	24.72742	24.72742	FALSE	33.9853688	8.73456	FALSE	728.35	280	0.03228	0.0000406
5489604175340	548960	4175340	8.727756	8.727756	24.57178	24.57178	FALSE	33.7714558	8.727756	FALSE	748.29	280	0.03228	0.0000406
5489804175340	548980	4175340	8.737607	8.737607	24.95818	24.95818	FALSE	34.3025212	8.737607	FALSE	768.22	280	0.03228	0.0000406
5490004175340	549000	4175340	8.784256	8.784256	26.51008	26.51008	FALSE	36.4354498	8.784256	FALSE	788.16	280	0.03228	0.0000406
5490204175340	549020	4175340	8.779426	8.779426	26.40499	26.40499	FALSE	36.2910196	8.779426	FALSE	808.10	280	0.03228	0.0000406
5490404175340	549040	4175340	8.700392	8.700392	24.11673	24.11673	FALSE	33.1460378	8.700392	FALSE	828.05	280	0.03228	0.0000406
5490604175340	549060	4175340	8.662134	8.662134	23.16407	23.16407	FALSE	31.8366992	8.662134	FALSE	848.00	280	0.03228	0.0000406
5490804175340	549080	4175340	8.651059	8.651059	23.31932	23.31932	FALSE	32.0500762	8.651059	FALSE	867.95	280	0.03228	0.0000406
5491004175340	549100	4175340	8.662383	8.662383	25.03966	25.03966	FALSE	34.4145115	8.662383	FALSE	887.90	280	0.03228	0.0000406
5491204175340	549120	4175340	8.699469	8.699469	29.00484	29.00484	FALSE	39.8642548	8.699469	FALSE	907.85	280	0.03228	0.0000406
5491404175340	549140	4175340	8.628131	8.628131	23.70791	23.70791	FALSE	32.5841529	8.628131	FALSE	927.81	280	0.03228	0.0000406
5469404175360	546940	4175360	8.273063	8.273063	8.084119	8.084119	FALSE	11.1108132	8.273063	FALSE	1276.71	280	0.03228	0.0000406
5469604175360	546960	4175360	8.270329	8.270329	7.940191	7.940191	FALSE	10.9129985	8.270329	FALSE	1256.75	280	0.03228	0.0000406
5469804175360	546980	4175360	8.267846	8.267846	7.796008	7.796008	FALSE	10.7148334	8.267846	FALSE	1236.79	280	0.03228	0.0000406
5470004175360	547000	4175360	8.265685	8.265685	7.678239	7.678239	FALSE	10.5529717	8.265685	FALSE	1216.84	280	0.03228	0.0000406
5470204175360	547020	4175360	8.264593	8.264593	7.614826	7.614826	FALSE	10.4658169	8.264593	FALSE	1196.88	280	0.03228	0.0000406
5470404175360	547040	4175360	8.264867	8.264867	7.589687	7.589687	FALSE	10.4312658	8.264867	FALSE	1176.93	280	0.03228	0.0000406
5470604175360	547060	4175360	8.264491	8.264491	7.554664	7.554664	FALSE	10.3831302	8.264491	FALSE	1156.97	280	0.03228	0.0000406
5470804175360	547080	4175360	8.264538	8.264538	7.544103	7.544103	FALSE	10.3686152	8.264538	FALSE	1137.02	280	0.03228	0.0000406
5471004175360	547100	4175360	8.265033	8.265033	7.532979	7.532979	FALSE	10.3533263	8.265033	FALSE	1117.07	280	0.03228	0.0000406
5471204175360	547120	4175360	8.26734	8.26734	7.591796	7.591796	FALSE	10.4341644	8.26734	FALSE	1097.13	280	0.03228	0.0000406
5471404175360	547140	4175360	8.269913	8.269913	7.656836	7.656836	FALSE	10.5235554	8.269913	FALSE	1077.18	280	0.03228	0.0000406
5471604175360	547160	4175360	8.273468	8.273468	7.713377	7.713377	FALSE	10.6012653	8.273468	FALSE	1057.24	280	0.03228	0.0000406
5471804175360	547180	4175360	8.289672	8.289672	8.079631	8.079631	FALSE	11.1046448	8.289672	FALSE	1037.30	280	0.03228	0.0000406
5472004175360	547200	4175360	8.302989	8.302989	8.318165	8.318165	FALSE	11.432486	8.302989	FALSE	1017.36	280	0.03228	0.0000406
5472204175360	547220	4175360	8.328698	8.328698	8.826095	8.826095	FALSE	12.130585	8.328698	FALSE	997.42	280	0.03228	0.0000406
5472404175360	547240	4175360	8.303724	8.303724	8.383162	8.383162	FALSE	11.5218179	8.303724	FALSE	977.49	280	0.03228	0.0000406
5472604175360	547260	4175360	8.295963	8.295963	8.348614	8.348614	FALSE	11.4743351	8.295963	FALSE	957.56	280	0.03228	0.0000406
5472804175360	547280	4175360	8.287189	8.287189	8.07381	8.07381	FALSE	11.0966445	8.287189	FALSE	937.63	280	0.03228	0.0000406
5473004175360	547300	4175360	8.288314	8.288314	8.054817	8.054817	FALSE	11.0705405	8.288314	FALSE	917.71	280	0.03228	0.0000406
5473204175360	547320	4175360	8.306288	8.306288	8.452868	8.452868	FALSE	11.6176218	8.306288	FALSE	897.79	280	0.03228	0.0000406
5473404175360	547340	4175360	8.304317	8.304317	8.559582	8.559582	FALSE	11.7642895	8.304317	FALSE	877.87	280	0.03228	0.0000406
5473604175360	547360	4175360	8.323354	8.323354	9.061594	9.061594	FALSE	12.4542548	8.323354	FALSE	857.96	280	0.03228	0.0000406
5473804175360	547380	4175360	8.325177	8.325177	9.344002	9.344002	FALSE	12.8423963	8.325177	FALSE	838.05	280	0.03228	0.0000406
5474004175360	547400	4175360	8.331135	8.331135	9.626529	9.626529	FALSE	13.2307015	8.331135	FALSE	818.14	280	0.03228	0.0000406
5474204175360	547420	4175360	8.338922	8.338922	9.954883	9.954883	FALSE	13.6819912	8.338922	FALSE	798.24	280	0.03228	0.0000406
5474404175360	547440	4175360	8.350374	8.350374	10.38635	10.38635	FALSE	14.2750036	8.350374	FALSE	778.35	280	0.03228	0.0000406
5474604175360	547460	4175360	8.364136	8.364136	10.85065	10.85065	FALSE	14.9131306	8.364136	FALSE	758.46	280	0.03228	0.0000406
5474804175360	547480	4175360	8.37852	8.37852	11.3397	11.3397	FALSE	15.5852823	8.37852	FALSE	738.57	280	0.03228	0.0000406
5475004175360	547500	4175360	8.379403	8.379403	11.44763	11.44763	FALSE	15.7336199	8.379403	FALSE	718.69	280	0.03228	0.0000406
5475204175360	547520	4175360	8.381217	8.381217	11.53139	11.53139	FALSE	15.8487397	8.381217	FALSE	698.82	280	0.03228	0.0000406
5475404175360	547540	4175360	8.392302	8.392302	11.96465	11.96465	FALSE	16.4442108	8.392302	FALSE	678.96	280	0.03228	0.0000406
5475604175360	547560	4175360	8.410607	8.410607	12.67668	12.67668	FALSE	17.4228249	8.410607	FALSE	659.11	280	0.03228	0.0000406
5475804175360	547580	4175360	8.426628	8.426628	13.34771	13.34771	FALSE	18.3450926	8.426628	FALSE	639.26	280	0.03228	0.0000406
5476004175360	547600	4175360	8.449575	8.449575	14.2728	14.2728	FALSE	19.6165308	8.449575	FALSE	619.43	280	0.03228	0.0000406
5476204175360	547620	4175360	8.486737	8.486737	15.64579	15.64579	FALSE	21.5035669	8.486737	FALSE	599.60	280	0.03228	0.0000406
5476404175360	547640	4175360	8.53296	8.53296	17.37192	17.37192	FALSE	23.8759641	8.53296	FALSE	579.79	280	0.03228	0.0000406
5476604175360	547660	4175360	8.58148	8.58148	19.21272	19.21272	FALSE	26.4059582	8.58148	FALSE	559.99	280	0.03228	0.0000406
5476804175360	547680	4175360	8.618373	8.618373	21.06021	21.06021	FALSE	28.9451526	8.618373	FALSE	540.21	280	0.03228	0.0000406
5477004175360	547700	4175360	8.69135	8.69135	24.29575	24.29575	FALSE	33.3920788	8.69135	FALSE	520.44	280	0.03228	0.0000406
5477204175360	547720	4175360	8.820116	8.820116	30.16199	30.16199	FALSE	41.4546363	8.820116	FALSE	500.69	280	0.03228	0.0000406
5477404175360	547740	4175360	8.987916	8.987916	37.4398	37.4398	FALSE	51.4572542	8.987916	FALSE	480.96	280	0.03228	0.0000406
5477604175360	547760	4175360	8.93734	8.93734	36.04432	36.04432	FALSE	49.5393093	8.93734	FALSE	461.25	280	0.03228	0.0000406
5477804175360	547780	4175360	8.896166	8.896166	42.37412	42.37412	FALSE	58.2389933	8.896166	FALSE	441.57	280	0.03228	0.0000406
5478004175360	547800	4175360	8.952162	8.952162	41.96458	41.96458	FALSE	57.6761188	8.952162	FALSE	421.93	280	0.03228	0.0000406
5478204175360	547820	4175360	8.999342	8.999342	39.03196	39.03196	FALSE	53.6455203	8.999342	FALSE	402.31	280	0.03228	0.0000406
5478404175360	547840	4175360	8.878225	8.878225	33.10483	33.10483	FALSE	45.4992797	8.878225	FALSE	382.74	280	0.03228	0.0000406
5478604175360	547860	4175360	8.796691	8.796691	29.42085	29.42085	FALSE	40.4360135	8.796691	FALSE	363.21	280	0.03228	0.0000406
5478804175360	547880	4175360	8.75969	8.75969	27.48062	27.48062	FALSE	37.7693586	8.75969	FALSE	343.74	280	0.03228	0.0000406
5479004175360	547900	4175360	8.721686	8.721686	25.91903	25.91903	FALSE	35.6231176	8.721686	FALSE	324.33	280	0.03228	0.0000406
5479204175360	547920	4175360	8.688083	8.688083	24.55961	24.55961	FALSE	33.7547321	8.688083	FALSE	304.99	280	0.03228	0.0000406
5479404175360	547940	4175360	8.634183	8.634183	22.75837	22.75837	FALSE	31.2791051	8.634183	FALSE	285.75	280	0.03228	0.0000406
5479604175360	547960	4175360	8.598419	8.598419	21.41395	21.41395	FALSE	29.4313329	8.598419	FALSE	266.62	260	0.04035	0.00005075
5479804175360	547980	4175360	8.572692	8.572692	20.41231	20.41231	FALSE	28.0546734	8.572692	FALSE	247.63	240	0.04842	0.0000609
5480004175360	548000	4175360	8.55062	8.55062	19.60446	19.60446	FALSE	26.9443657	8.55062	FALSE	228.81	220	0.05649	0.00007105
5480204175360	548020	4175360	8.535888	8.535888	19.10172	19.10172	FALSE	26.253404	8.535888	FALSE	210.21	200	0.06456	0.0000812
5480404175360	548040	4175360	8.526819	8.526819	18.88114	18.88114	FALSE	25.9502402	8.526819	FALSE	191.89	180	0.07263	0.00009135
5480604175360	548060	4175360	8.525394	8.525394	19.03728	19.03728	FALSE	26.164839	8.525394	FALSE	173.94	160	0.0807	0.0001015
5480804175360	548080	4175360	8.525969	8.525969	19.36251	19.36251	FALSE	26.6118324	8.525969	FALSE	156.49	150	0.09684	0.0001218
5481004175360	548100	4175360	8.521494	8.521494	19.51434	19.51434	FALSE	26.8205048	8.521494	FALSE	139.72	130	0.12105	0.00015225
5481204175360	548120	4175360	8.519253	8.519253	19.81718	19.81718	FALSE	27.2367377	8.519253	FALSE	123.91	120	0.12912	0.0001624
5481404175360	548140	4175360	8.525718	8.525718	20.51818	20.51818	FALSE	28.2001893	8.525718	FALSE	109.49	100	0.17754	0.0002233
5481604175360	548160	4175360	8.542793	8.542793	21.73722	21.73722	FALSE	29.8756324	8.542793	FALSE	97.06	90	0.20175	0.00025375
5481804175360	548180	4175360	8.561996	8.561996	23.5248	23.5248	FALSE	32.3324824	8.561996	FALSE	87.49	80	0.22596	0.0002842
5482004175360	548200	4175360	8.592784	8.592784	26.05363	26.05363	FALSE	35.8081036	8.592784	FALSE	81.78	80	0.22596	0.0002842
5482204175360	548220	4175360	8.668025	8.668025	30.85351	30.85351	FALSE	42.4050696	8.668025	FALSE	80.75	80	0.22596	0.0002842
5482404175360	548240	4175360	8.834323	8.834323	41.19821	41.19821	FALSE	56.6228239	8.834323	FALSE	84.58	80	0.22596	0.0002842
5482604175360	548260	4175360	8.922561	8.922561	46.86918	46.86918	FALSE	64.4170037	8.922561	FALSE	92.67	90	0.20175	0.00025375
5482804175360	548280	4175360	8.94057	8.94057	48.19044	48.19044	FALSE	66.2329435	8.94057	FALSE	104.02	100	0.17754	0.0002233
5483004175360	548300	4175360	8.68965	8.68965	33.37953	33.37953	FALSE	45.8768192	8.68965	FALSE	117.70	110	0.14526	0.0001827
5483204175360	548320	4175360	8.58004	8.58004	27.07389	27.07389	FALSE	37.2103544	8.58004	FALSE	132.99	130	0.12105	0.00015225
5483404175360	548340	4175360	8.505741	8.505741	22.84479	22.84479	FALSE	31.3978849	8.505741	FALSE	149.40	140	0.11298	0.0001421
5483604175360	548360	4175360	8.477026	8.477026	21.0015	21.0015	FALSE	28.8644657	8.477026	FALSE	166.60	160	0.0807	0.0001015
5483804175360	548380	4175360	8.463627	8.463627	19.9507	19.9507	FALSE	27.4202407	8.463627	FALSE	184.36	180	0.07263	0.00009135
5484004175360	548400	4175360	8.452999	8.452999	19.02519	19.02519	FALSE	26.1482156	8.452999	FALSE	202.54	200	0.06456	0.0000812
5484204175360	548420	4175360	8.450932	8.450932	18.56584	18.56584	FALSE	25.5168877	8.450932	FALSE	221.03	220	0.05649	0.00007105
5484404175360	548440	4175360	8.455182	8.455182	18.53418	18.53418	FALSE	25.4733825	8.455182	FALSE	239.76	220	0.05649	0.00007105
5484604175360	548460	4175360	8.492269	8.492269	20.93468	20.93468	FALSE	28.7726187	8.492269	FALSE	258.69	240	0.04842	0.0000609
5484804175360	548480	4175360	8.624946	8.624946	29.98163	29.98163	FALSE	41.2067523	8.624946	FALSE	277.77	260	0.04035	0.00005075
5485004175360	548500	4175360	8.556918	8.556918	23.63263	23.63263	FALSE	32.4806922	8.556918	FALSE	296.96	280	0.03228	0.0000406
5485204175360	548520	4175360	8.583729	8.583729	24.06988	24.06988	FALSE	33.0816403	8.583729	FALSE	316.26	280	0.03228	0.0000406
5485404175360	548540	4175360	8.628675	8.628675	25.79616	25.79616	FALSE	35.4542423	8.628675	FALSE	335.64	280	0.03228	0.0000406

5485604175360	548560	4175360	8.684833	8.684833	27.99278	27.99278	FALSE	38.4732755	8.684833	FALSE	355.09	280	0.03228	0.0000406
5485804175360	548580	4175360	8.756561	8.756561	30.75512	30.75512	FALSE	42.2698397	8.756561	FALSE	374.59	280	0.03228	0.0000406
5486004175360	548600	4175360	8.872878	8.872878	34.60729	34.60729	FALSE	47.564258	8.872878	FALSE	394.15	280	0.03228	0.0000406
5486204175360	548620	4175360	8.979708	8.979708	36.75927	36.75927	FALSE	50.5219379	8.979708	FALSE	413.75	280	0.03228	0.0000406
5486404175360	548640	4175360	9.106919	9.106919	39.12082	39.12082	FALSE	53.7676578	9.106919	FALSE	433.38	280	0.03228	0.0000406
5486604175360	548660	4175360	9.374376	9.374376	46.82668	46.82668	TRUE	64.3585876	9.374376	TRUE	453.05	280	0.03228	0.0000406
5486804175360	548680	4175360	9.81986	9.81986	59.64333	59.64333	TRUE	81.97379	9.81986	TRUE	472.74	280	0.03228	0.0000406
5487004175360	548700	4175360	10.209	10.209	68.83774	68.83774	FALSE	94.6105912	10.208999	FALSE	492.46	280	0.03228	0.0000406
5487204175360	548720	4175360	10.43725	10.43725	75.73249	75.73249	FALSE	104.086736	10.437245	FALSE	512.20	280	0.03228	0.0000406
5487404175360	548740	4175360	10.00206	10.00206	62.80873	62.80873	TRUE	86.3243185	10.002055	TRUE	531.96	280	0.03228	0.0000406
5487604175360	548760	4175360	9.677708	9.677708	55.98431	55.98431	TRUE	76.9448357	9.677708	TRUE	551.74	280	0.03228	0.0000406
5487804175360	548780	4175360	9.347156	9.347156	44.38303	44.38303	FALSE	61.0000337	9.347156	FALSE	571.54	280	0.03228	0.0000406
5488004175360	548800	4175360	9.158356	9.158356	38.0082	38.0082	FALSE	52.238466	9.158356	FALSE	591.34	280	0.03228	0.0000406
5488204175360	548820	4175360	9.032981	9.032981	33.87709	33.87709	FALSE	46.5606752	9.032981	FALSE	611.16	280	0.03228	0.0000406
5488404175360	548840	4175360	8.942139	8.942139	30.99137	30.99137	FALSE	42.5945417	8.942139	FALSE	630.99	280	0.03228	0.0000406
5488604175360	548860	4175360	8.872962	8.872962	28.86266	28.86266	FALSE	39.6688454	8.872962	FALSE	650.84	280	0.03228	0.0000406
5488804175360	548880	4175360	8.820342	8.820342	27.25747	27.25747	FALSE	37.4626709	8.820342	FALSE	670.69	280	0.03228	0.0000406
5489004175360	548900	4175360	8.782272	8.782272	26.07503	26.07503	FALSE	35.8375171	8.782272	FALSE	690.55	280	0.03228	0.0000406
5489204175360	548920	4175360	8.75329	8.75329	25.18713	25.18713	FALSE	34.6171901	8.75329	FALSE	710.41	280	0.03228	0.0000406
5489404175360	548940	4175360	8.731329	8.731329	24.52782	24.52782	FALSE	33.7110386	8.731329	FALSE	730.29	280	0.03228	0.0000406
5489604175360	548960	4175360	8.718115	8.718115	24.13884	24.13884	FALSE	33.1764272	8.718115	FALSE	750.17	280	0.03228	0.0000406
5489804175360	548980	4175360	8.715563	8.715563	24.10608	24.10608	FALSE	33.1314018	8.715563	FALSE	770.06	280	0.03228	0.0000406
5490004175360	549000	4175360	8.734964	8.734964	24.76528	24.76528	FALSE	34.0373953	8.734964	FALSE	789.95	280	0.03228	0.0000406
5490204175360	549020	4175360	8.781432	8.781432	26.26657	26.26657	FALSE	36.1007752	8.781432	FALSE	809.85	280	0.03228	0.0000406
5490404175360	549040	4175360	8.73052	8.73052	24.75238	24.75238	FALSE	34.0196752	8.73052	FALSE	829.75	280	0.03228	0.0000406
5490604175360	549060	4175360	8.668159	8.668159	22.95199	22.95199	FALSE	31.5452082	8.668159	FALSE	849.66	280	0.03228	0.0000406
5490804175360	549080	4175360	8.64709	8.64709	22.58022	22.58022	FALSE	31.0342516	8.64709	FALSE	869.57	280	0.03228	0.0000406
5491004175360	549100	4175360	8.638463	8.638463	22.71642	22.71642	FALSE	31.2214476	8.638463	FALSE	889.49	280	0.03228	0.0000406
5491204175360	549120	4175360	8.628402	8.628402	22.8225	22.8225	FALSE	31.3672495	8.628402	FALSE	909.41	280	0.03228	0.0000406
5491404175360	549140	4175360	8.61164	8.61164	22.22172	22.22172	FALSE	30.5415251	8.61164	FALSE	929.33	280	0.03228	0.0000406
5469404175380	546940	4175380	8.275516	8.275516	8.206777	8.206777	FALSE	11.2793943	8.275516	FALSE	1278.13	280	0.03228	0.0000406
5469604175380	546960	4175380	8.272955	8.272955	8.070989	8.070989	FALSE	11.0927673	8.272955	FALSE	1258.19	280	0.03228	0.0000406
5469804175380	546980	4175380	8.270586	8.270586	7.927354	7.927354	FALSE	10.8953553	8.270586	FALSE	1238.26	280	0.03228	0.0000406
5470004175380	547000	4175380	8.268624	8.268624	7.817867	7.817867	FALSE	10.7448764	8.268624	FALSE	1218.32	280	0.03228	0.0000406
5470204175380	547020	4175380	8.267848	8.267848	7.774027	7.774027	FALSE	10.6846227	8.267848	FALSE	1198.39	280	0.03228	0.0000406
5470404175380	547040	4175380	8.268372	8.268372	7.759627	7.759627	FALSE	10.6648313	8.268372	FALSE	1178.46	280	0.03228	0.0000406
5470604175380	547060	4175380	8.268127	8.268127	7.723611	7.723611	FALSE	10.615331	8.268127	FALSE	1158.54	280	0.03228	0.0000406
5470804175380	547080	4175380	8.26832	8.26832	7.706844	7.706844	FALSE	10.5922864	8.26832	FALSE	1138.62	280	0.03228	0.0000406
5471004175380	547100	4175380	8.269199	8.269199	7.718912	7.718912	FALSE	10.6088727	8.269199	FALSE	1118.69	280	0.03228	0.0000406
5471204175380	547120	4175380	8.271849	8.271849	7.795856	7.795856	FALSE	10.7146245	8.271849	FALSE	1098.78	280	0.03228	0.0000406
5471404175380	547140	4175380	8.274747	8.274747	7.87588	7.87588	FALSE	10.8246095	8.274747	FALSE	1078.86	280	0.03228	0.0000406
5471604175380	547160	4175380	8.278735	8.278735	7.945955	7.945955	FALSE	10.9209206	8.278735	FALSE	1058.95	280	0.03228	0.0000406
5471804175380	547180	4175380	8.295222	8.295222	8.325822	8.325822	FALSE	11.4430098	8.295222	FALSE	1039.04	280	0.03228	0.0000406
5472004175380	547200	4175380	8.308206	8.308206	8.568804	8.568804	FALSE	11.7769642	8.308206	FALSE	1019.14	280	0.03228	0.0000406
5472204175380	547220	4175380	8.311568	8.311568	8.67486	8.67486	FALSE	11.9227276	8.311568	FALSE	999.24	280	0.03228	0.0000406
5472404175380	547240	4175380	8.313156	8.313156	8.753968	8.753968	FALSE	12.0314536	8.313156	FALSE	979.34	280	0.03228	0.0000406
5472604175380	547260	4175380	8.305814	8.305814	8.753335	8.753335	FALSE	12.0305836	8.305814	FALSE	959.45	280	0.03228	0.0000406
5472804175380	547280	4175380	8.29691	8.29691	8.490968	8.490968	FALSE	11.6699864	8.29691	FALSE	939.56	280	0.03228	0.0000406
5473004175380	547300	4175380	8.296899	8.296899	8.47489	8.47489	FALSE	11.6478888	8.296899	FALSE	919.68	280	0.03228	0.0000406
5473204175380	547320	4175380	8.304206	8.304206	8.724175	8.724175	FALSE	11.9905061	8.304206	FALSE	899.80	280	0.03228	0.0000406
5473404175380	547340	4175380	8.314266	8.314266	9.095183	9.095183	FALSE	12.5004195	8.314266	FALSE	879.93	280	0.03228	0.0000406
5473604175380	547360	4175380	8.323092	8.323092	9.442107	9.442107	FALSE	12.9772319	8.323092	FALSE	860.06	280	0.03228	0.0000406
5473804175380	547380	4175380	8.33984	8.33984	10.03887	10.03887	FALSE	13.7974216	8.33984	FALSE	840.20	280	0.03228	0.0000406
5474004175380	547400	4175380	8.351846	8.351846	10.519	10.519	FALSE	14.4573081	8.351846	FALSE	820.35	280	0.03228	0.0000406
5474204175380	547420	4175380	8.364923	8.364923	11.03554	11.03554	FALSE	15.1672462	8.364923	FALSE	800.51	280	0.03228	0.0000406
5474404175380	547440	4175380	8.380431	8.380431	11.63983	11.63983	FALSE	15.9977782	8.380431	FALSE	780.67	280	0.03228	0.0000406
5474604175380	547460	4175380	8.399421	8.399421	12.32343	12.32343	FALSE	16.9373153	8.399421	FALSE	760.84	280	0.03228	0.0000406
5474804175380	547480	4175380	8.411848	8.411848	12.90978	12.90978	FALSE	17.7431961	8.411848	FALSE	741.02	280	0.03228	0.0000406
5475004175380	547500	4175380	8.427662	8.427662	13.49675	13.49675	FALSE	18.5499373	8.427662	FALSE	721.21	280	0.03228	0.0000406
5475204175380	547520	4175380	8.438484	8.438484	13.97038	13.97038	FALSE	19.2008944	8.438484	FALSE	701.41	280	0.03228	0.0000406
5475404175380	547540	4175380	8.46241	8.46241	14.89724	14.89724	FALSE	20.4747639	8.46241	FALSE	681.62	280	0.03228	0.0000406
5475604175380	547560	4175380	8.498388	8.498388	16.23827	16.23827	FALSE	22.3178824	8.498388	FALSE	661.85	280	0.03228	0.0000406
5475804175380	547580	4175380	8.533141	8.533141	17.63664	17.63664	FALSE	24.2397994	8.533141	FALSE	642.09	280	0.03228	0.0000406
5476004175380	547600	4175380	8.580337	8.580337	19.58296	19.58296	FALSE	26.914823	8.580337	FALSE	622.34	280	0.03228	0.0000406
5476204175380	547620	4175380	8.654257	8.654257	22.53532	22.53532	FALSE	30.9725479	8.654257	FALSE	602.61	280	0.03228	0.0000406
5476404175380	547640	4175380	8.761759	8.761759	26.84244	26.84244	FALSE	36.8922482	8.761759	FALSE	582.90	280	0.03228	0.0000406
5476604175380	547660	4175380	8.901873	8.901873	32.92584	32.92584	FALSE	45.2532745	8.901873	FALSE	563.21	280	0.03228	0.0000406
5476804175380	547680	4175380	9.03209	9.03209	37.084	37.084	FALSE	50.9682441	9.03209	FALSE	543.55	280	0.03228	0.0000406
5477004175380	547700	4175380	8.686876	8.686876	23.05462	23.05462	FALSE	31.686267	8.686876	FALSE	523.91	280	0.03228	0.0000406
5477204175380	547720	4175380	8.835347	8.835347	30.13086	30.13086	FALSE	41.4118471	8.835347	FALSE	504.29	280	0.03228	0.0000406
5477404175380	547740	4175380	8.960251	8.960251	33.70364	33.70364	FALSE	46.3222883	8.960251	FALSE	484.71	280	0.03228	0.0000406
5477604175380	547760	4175380	8.874261	8.874261	31.86366	31.86366	FALSE	43.7934143	8.874261	FALSE	465.16	280	0.03228	0.0000406
5477804175380	547780	4175380	8.778952	8.778952	29.65843	29.65843	FALSE	40.7625434	8.778952	FALSE	445.66	280	0.03228	0.0000406
5478004175380	547800	4175380	8.720219	8.720219	27.54441	27.54441	FALSE	37.8570316	8.720219	FALSE	426.20	280	0.03228	0.0000406
5478204175380	547820	4175380	8.668328	8.668328	24.97444	24.97444	FALSE	34.3248662	8.668328	FALSE	406.79	280	0.03228	0.0000406
5478404175380	547840	4175380	8.643982	8.643982	23.40757	23.40757	FALSE	32.1713656	8.643982	FALSE	387.44	280	0.03228	0.0000406
5478604175380	547860	4175380	8.624384	8.624384	22.2729	22.2729	FALSE	30.6118765	8.624384	FALSE	368.16	280	0.03228	0.0000406
5478804175380	547880	4175380	8.619225	8.619225	21.62458	21.62458	FALSE	29.7208186	8.619225	FALSE	348.96	280	0.03228	0.0000406
5479004175380	547900	4175380	8.645891	8.645891	21.68904	21.68904	FALSE	29.8094193	8.645891	FALSE	329.86	280	0.03228	0.0000406
5479204175380	547920	4175380	8.590475	8.590475	20.219	20.219	FALSE	27.788995	8.590475	FALSE	310.87	280	0.03228	0.0000406
5479404175380	547940	4175380	8.549826	8.549826	19.06312	19.06312	FALSE	26.2003508	8.549826	FALSE	292.02	280	0.03228	0.0000406
5479604175380	547960	4175380	8.528174	8.528174	18.39318	18.39318	FALSE	25.2795797	8.528174	FALSE	273.33	260	0.04035	0.00005075
5479804175380	547980	4175380	8.512946	8.512946	17.89043	17.89043	FALSE	24.5886042	8.512946	FALSE	254.84	240	0.04842	0.0000609
5480004175380	548000	4175380	8.498162	8.498162	17.41393	17.41393	FALSE	23.9337095	8.498162	FALSE	236.59	220	0.05649	0.00007105
5480204175380	548020	4175380	8.489848	8.489848	17.17928	17.17928	FALSE	23.6112024	8.489848	FALSE	218.65	200	0.06456	0.0000812
5480404175380	548040	4175380	8.48502	8.48502	17.11394	17.11394	FALSE	23.5214046	8.48502	FALSE	201.10	200	0.06456	0.0000812
5480604175380	548060	4175380	8.481629	8.481629	17.18513	17.18513	FALSE	23.6192399	8.481629	FALSE	184.05	180	0.07263	0.00009135
5480804175380	548080	4175380	8.486593	8.486593	17.71386	17.71386	FALSE	24.3459319	8.486593	FALSE	167.66	160	0.0807	0.0001015
5481004175380	548100	4175380	8.486905	8.486905	18.1236	18.1236	FALSE	24.9090758	8.486905	FALSE	152.13	150	0.09684	0.0001218
5481204175380	548120	4175380	8.484471	8.484471	18.45936	18.45936	FALSE	25.3705471	8.484471	FALSE	137.75	130	0.12105	0.00015225
5481404175380	548140	4175380	8.492007	8.492007	19.21204	19.21204	FALSE	26.4050209	8.492007	FALSE	124.94	120	0.12912	0.0001624
5481604175380	548160	4175380	8.513486	8.513486	20.61146	20.61146	FALSE	28.3283947	8.513486	FALSE	114.20	110	0.14526	0.0001827
5481804175380	548180	4175380	8.536725	8.536725	22.56383	22.56383	FALSE	31.0117321	8.536725	FALSE	106.19	100	0.17754	0.0002233
5482004175380	548200	4175380	8.570332	8.570332	25.23994	25.23994	FALSE	34.689768	8.570332	FALSE	101.53	100	0.17754	0.0002233

5482204175380	548220	4175380	8.647779	8.647779	30.18426	30.18426	FALSE	41.4852414	8.647779	FALSE	100.71	100	0.17754	0.0002233
5482404175380	548240	4175380	8.816186	8.816186	40.72039	40.72039	FALSE	55.9661013	8.816186	FALSE	103.81	100	0.17754	0.0002233
5482604175380	548260	4175380	8.918507	8.918507	47.16246	47.16246	FALSE	64.8200809	8.918507	FALSE	110.49	110	0.14526	0.0001827
5482804175380	548280	4175380	8.954595	8.954595	50.02023	50.02023	FALSE	68.7478	8.954595	FALSE	120.18	120	0.12912	0.0001624
5483004175380	548300	4175380	8.727797	8.727797	36.64341	36.64341	FALSE	50.3627041	8.727797	FALSE	132.20	130	0.12105	0.00015225
5483204175380	548320	4175380	8.611531	8.611531	29.69072	29.69072	FALSE	40.8069201	8.611531	FALSE	145.98	140	0.11298	0.0001421
5483404175380	548340	4175380	8.532018	8.532018	25.0166	25.0166	FALSE	34.3828192	8.532018	FALSE	161.07	160	0.0807	0.0001015
5483604175380	548360	4175380	8.492814	8.492814	22.51321	22.51321	FALSE	30.9421586	8.492814	FALSE	177.13	160	0.0807	0.0001015
5483804175380	548380	4175380	8.470733	8.470733	20.96493	20.96493	FALSE	28.8142025	8.470733	FALSE	193.93	180	0.07263	0.00009135
5484004175380	548400	4175380	8.454062	8.454062	19.7488	19.7488	FALSE	27.1427548	8.454062	FALSE	211.29	200	0.06456	0.0000812
5484204175380	548420	4175380	8.448873	8.448873	19.06037	19.06037	FALSE	26.196567	8.448873	FALSE	229.08	220	0.05649	0.00007105
5484404175380	548440	4175380	8.447406	8.447406	18.57958	18.57958	FALSE	25.5357789	8.447406	FALSE	247.20	240	0.04842	0.0000609
5484604175380	548460	4175380	8.460131	8.460131	19.07846	19.07846	FALSE	26.2214327	8.460131	FALSE	265.60	260	0.04035	0.00005075
5484804175380	548480	4175380	8.527781	8.527781	23.54942	23.54942	FALSE	32.3663174	8.527781	FALSE	284.21	280	0.03228	0.0000406
5485004175380	548500	4175380	8.526161	8.526161	22.40543	22.40543	FALSE	30.7940257	8.526161	FALSE	303.00	280	0.03228	0.0000406
5485204175380	548520	4175380	8.56934	8.56934	24.04177	24.04177	FALSE	33.0430046	8.56934	FALSE	321.93	280	0.03228	0.0000406
5485404175380	548540	4175380	8.676044	8.676044	30.37392	30.37392	FALSE	41.7459211	8.676044	FALSE	340.99	280	0.03228	0.0000406
5485604175380	548560	4175380	8.696844	8.696844	30.24597	30.24597	FALSE	41.5700584	8.696844	FALSE	360.15	280	0.03228	0.0000406
5485804175380	548580	4175380	8.715357	8.715357	30.01855	30.01855	FALSE	41.2574965	8.715357	FALSE	379.40	280	0.03228	0.0000406
5486004175380	548600	4175380	8.784731	8.784731	32.0144	32.0144	FALSE	44.0005886	8.784731	FALSE	398.72	280	0.03228	0.0000406
5486204175380	548620	4175380	8.917312	8.917312	37.57	37.57	FALSE	51.6362053	8.917312	FALSE	418.10	280	0.03228	0.0000406
5486404175380	548640	4175380	9.04686	9.04686	40.6518	40.6518	FALSE	55.8718284	9.04686	FALSE	437.54	280	0.03228	0.0000406
5486604175380	548660	4175380	9.181351	9.181351	41.83609	41.83609	TRUE	57.4995166	9.181351	TRUE	457.03	280	0.03228	0.0000406
5486804175380	548680	4175380	9.6434	9.6434	56.11684	56.11684	TRUE	77.1269904	9.6434	TRUE	476.56	280	0.03228	0.0000406
5487004175380	548700	4175380	9.567192	9.567192	52.25359	52.25359	FALSE	71.8173327	9.567192	FALSE	496.13	280	0.03228	0.0000406
5487204175380	548720	4175380	10.66667	10.66667	81.89289	81.89289	FALSE	112.553589	10.666666	FALSE	515.73	280	0.03228	0.0000406
5487404175380	548740	4175380	10.45266	10.45266	75.49802	75.49802	FALSE	103.764472	10.452659	FALSE	535.36	280	0.03228	0.0000406
5487604175380	548760	4175380	9.907079	9.907079	65.11156	65.11156	TRUE	89.4893322	9.907079	TRUE	555.01	280	0.03228	0.0000406
5487804175380	548780	4175380	9.449766	9.449766	48.2378	48.2378	FALSE	66.2980254	9.449766	FALSE	574.70	280	0.03228	0.0000406
5488004175380	548800	4175380	9.214787	9.214787	40.04408	40.04408	FALSE	55.0365781	9.214787	FALSE	594.40	280	0.03228	0.0000406
5488204175380	548820	4175380	9.068529	9.068529	35.10613	35.10613	FALSE	48.2498582	9.068529	FALSE	614.12	280	0.03228	0.0000406
5488404175380	548840	4175380	8.966923	8.966923	31.79073	31.79073	FALSE	43.6931738	8.966923	FALSE	633.86	280	0.03228	0.0000406
5488604175380	548860	4175380	8.890636	8.890636	29.37981	29.37981	FALSE	40.3796109	8.890636	FALSE	653.61	280	0.03228	0.0000406
5488804175380	548880	4175380	8.832241	8.832241	27.56153	27.56153	FALSE	37.8805682	8.832241	FALSE	673.38	280	0.03228	0.0000406
5489004175380	548900	4175380	8.789029	8.789029	26.20685	26.20685	FALSE	36.0186905	8.789029	FALSE	693.16	280	0.03228	0.0000406
5489204175380	548920	4175380	8.756397	8.756397	25.19311	25.19311	FALSE	34.6254035	8.756397	FALSE	712.96	280	0.03228	0.0000406
5489404175380	548940	4175380	8.73071	8.73071	24.39925	24.39925	FALSE	33.5343292	8.73071	FALSE	732.76	280	0.03228	0.0000406
5489604175380	548960	4175380	8.712478	8.712478	23.82646	23.82646	FALSE	32.7470839	8.712478	FALSE	752.58	280	0.03228	0.0000406
5489804175380	548980	4175380	8.70221	8.70221	23.52799	23.52799	FALSE	32.3368695	8.70221	FALSE	772.40	280	0.03228	0.0000406
5490004175380	549000	4175380	8.704268	8.704268	23.62481	23.62481	FALSE	32.469932	8.704268	FALSE	792.24	280	0.03228	0.0000406
5490204175380	549020	4175380	8.739388	8.739388	24.74869	24.74869	FALSE	34.0145927	8.739388	FALSE	812.08	280	0.03228	0.0000406
5490404175380	549040	4175380	8.758414	8.758414	25.40709	25.40709	FALSE	34.9195031	8.758414	FALSE	831.93	280	0.03228	0.0000406
5490604175380	549060	4175380	8.68833	8.68833	23.29183	23.29183	FALSE	32.0122953	8.68833	FALSE	851.79	280	0.03228	0.0000406
5490804175380	549080	4175380	8.654036	8.654036	22.42993	22.42993	FALSE	30.8276958	8.654036	FALSE	871.65	280	0.03228	0.0000406
5491004175380	549100	4175380	8.635828	8.635828	22.05443	22.05443	FALSE	30.3116058	8.635828	FALSE	891.52	280	0.03228	0.0000406
5491204175380	549120	4175380	8.617827	8.617827	21.65662	21.65662	FALSE	29.7648572	8.617827	FALSE	911.39	280	0.03228	0.0000406
5491404175380	549140	4175380	8.602186	8.602186	21.19201	21.19201	FALSE	29.1262999	8.602186	FALSE	931.28	280	0.03228	0.0000406
5469404175400	546940	4175400	8.27832	8.27832	8.331624	8.331624	FALSE	11.450984	8.27832	FALSE	1279.86	280	0.03228	0.0000406
5469604175400	546960	4175400	8.275929	8.275929	8.203045	8.203045	FALSE	11.274265	8.275929	FALSE	1259.95	280	0.03228	0.0000406
5469804175400	546980	4175400	8.273748	8.273748	8.067438	8.067438	FALSE	11.0878868	8.273748	FALSE	1240.04	280	0.03228	0.0000406
5470004175400	547000	4175400	8.272018	8.272018	7.967322	7.967322	FALSE	10.9502874	8.272018	FALSE	1220.14	280	0.03228	0.0000406
5470204175400	547020	4175400	8.271494	8.271494	7.933558	7.933558	FALSE	10.9038821	8.271494	FALSE	1200.24	280	0.03228	0.0000406
5470404175400	547040	4175400	8.272481	8.272481	7.9507	7.9507	FALSE	10.9274421	8.272481	FALSE	1180.34	280	0.03228	0.0000406
5470604175400	547060	4175400	8.272535	8.272535	7.927986	7.927986	FALSE	10.896224	8.272535	FALSE	1160.45	280	0.03228	0.0000406
5470804175400	547080	4175400	8.272965	8.272965	7.908982	7.908982	FALSE	10.8701049	8.272965	FALSE	1140.56	280	0.03228	0.0000406
5471004175400	547100	4175400	8.274254	8.274254	7.939102	7.939102	FALSE	10.9115018	8.274254	FALSE	1120.67	280	0.03228	0.0000406
5471204175400	547120	4175400	8.277363	8.277363	8.036257	8.036257	FALSE	11.0450316	8.277363	FALSE	1100.79	280	0.03228	0.0000406
5471404175400	547140	4175400	8.280759	8.280759	8.138662	8.138662	FALSE	11.1857771	8.280759	FALSE	1080.91	280	0.03228	0.0000406
5471604175400	547160	4175400	8.285373	8.285373	8.236139	8.236139	FALSE	11.3197494	8.285373	FALSE	1061.04	280	0.03228	0.0000406
5471804175400	547180	4175400	8.302653	8.302653	8.644695	8.644695	FALSE	11.8812688	8.302653	FALSE	1041.17	280	0.03228	0.0000406
5472004175400	547200	4175400	8.316819	8.316819	8.924228	8.924228	FALSE	12.265459	8.316819	FALSE	1021.31	280	0.03228	0.0000406
5472204175400	547220	4175400	8.343387	8.343387	9.499101	9.499101	FALSE	13.0555644	8.343387	FALSE	1001.45	280	0.03228	0.0000406
5472404175400	547240	4175400	8.323612	8.323612	9.203762	9.203762	FALSE	12.6496505	8.323612	FALSE	981.60	280	0.03228	0.0000406
5472604175400	547260	4175400	8.318175	8.318175	9.278383	9.278383	FALSE	12.7522096	8.318175	FALSE	961.75	280	0.03228	0.0000406
5472804175400	547280	4175400	8.309596	8.309596	9.038702	9.038702	FALSE	12.422792	8.309596	FALSE	941.91	280	0.03228	0.0000406
5473004175400	547300	4175400	8.311078	8.311078	9.095479	9.095479	FALSE	12.5008263	8.311078	FALSE	922.08	280	0.03228	0.0000406
5473204175400	547320	4175400	8.323128	8.323128	9.541447	9.541447	FALSE	13.1137648	8.323128	FALSE	902.26	280	0.03228	0.0000406
5473404175400	547340	4175400	8.335581	8.335581	10.01275	10.01275	FALSE	13.7615195	8.335581	FALSE	882.44	280	0.03228	0.0000406
5473604175400	547360	4175400	8.347049	8.347049	10.46478	10.46478	FALSE	14.382795	8.347049	FALSE	862.63	280	0.03228	0.0000406
5473804175400	547380	4175400	8.367325	8.367325	11.19645	11.19645	FALSE	15.3884064	8.367325	FALSE	842.83	280	0.03228	0.0000406
5474004175400	547400	4175400	8.386317	8.386317	11.9387	11.9387	FALSE	16.4085465	8.386317	FALSE	823.04	280	0.03228	0.0000406
5474204175400	547420	4175400	8.407132	8.407132	12.76595	12.76595	FALSE	17.5455244	8.407132	FALSE	803.26	280	0.03228	0.0000406
5474404175400	547440	4175400	8.431664	8.431664	13.74832	13.74832	FALSE	18.8956965	8.431664	FALSE	783.50	280	0.03228	0.0000406
5474604175400	547460	4175400	8.462757	8.462757	14.91929	14.91929	FALSE	20.5050653	8.462757	FALSE	763.74	280	0.03228	0.0000406
5474804175400	547480	4175400	8.488596	8.488596	16.07347	16.07347	FALSE	22.0913785	8.488596	FALSE	744.00	280	0.03228	0.0000406
5475004175400	547500	4175400	8.523142	8.523142	17.47131	17.47131	FALSE	24.0125616	8.523142	FALSE	724.27	280	0.03228	0.0000406
5475204175400	547520	4175400	8.5589	8.5589	19.10651	19.10651	FALSE	26.2599887	8.5589	FALSE	704.56	280	0.03228	0.0000406
5475404175400	547540	4175400	8.620162	8.620162	21.78343	21.78343	FALSE	29.9391489	8.620162	FALSE	684.86	280	0.03228	0.0000406
5475604175400	547560	4175400	8.713884	8.713884	25.21918	25.21918	FALSE	34.661241	8.713884	FALSE	665.18	280	0.03228	0.0000406
5475804175400	547580	4175400	8.849107	8.849107	29.48451	29.48451	FALSE	40.5235119	8.849107	FALSE	645.52	280	0.03228	0.0000406
5476004175400	547600	4175400	8.793999	8.793999	26.88905	26.88905	FALSE	36.9563076	8.793999	FALSE	625.89	280	0.03228	0.0000406
5476204175400	547620	4175400	8.733996	8.733996	25.45253	25.45253	FALSE	34.9819586	8.733996	FALSE	606.27	280	0.03228	0.0000406
5476404175400	547640	4175400	9.049871	9.049871	36.38459	36.38459	FALSE	50.0069736	9.049871	FALSE	586.68	280	0.03228	0.0000406
5476604175400	547660	4175400	8.886087	8.886087	30.34846	30.34846	FALSE	41.7109179	8.886087	FALSE	567.13	280	0.03228	0.0000406
5476804175400	547680	4175400	8.77186	8.77186	26.36302	26.36302	FALSE	36.2333306	8.77186	FALSE	547.60	280	0.03228	0.0000406
5477004175400	547700	4175400	8.691549	8.691549	23.48387	23.48387	FALSE	32.2762282	8.691549	FALSE	528.11	280	0.03228	0.0000406
5477204175400	547720	4175400	8.654086	8.654086	22.22598	22.22598	FALSE	30.547391	8.654086	FALSE	508.66	280	0.03228	0.0000406
5477404175400	547740	4175400	8.639791	8.639791	21.80892	21.80892	FALSE	29.9741824	8.639791	FALSE	489.25	280	0.03228	0.0000406
5477604175400	547760	4175400	8.617162	8.617162	21.40708	21.40708	FALSE	29.4218949	8.617162	FALSE	469.89	280	0.03228	0.0000406
5477804175400	547780	4175400	8.592725	8.592725	20.84391	20.84391	FALSE	28.6478658	8.592725	FALSE	450.59	280	0.03228	0.0000406
5478004175400	547800	4175400	8.57206	8.57206	20.34401	20.34401	FALSE	27.9608087	8.57206	FALSE	431.35	280	0.03228	0.0000406
5478204175400	547820	4175400	8.545421	8.545421	19.1851	19.1851	FALSE	26.3680069	8.545421	FALSE	412.19	280	0.03228	0.0000406
5478404175400	547840	4175400	8.540397	8.540397	18.77568	18.77568	FALSE	25.805296	8.540397	FALSE	393.11	280	0.03228	0.0000406
5478604175400	547860	4175400	8.539001	8.539001	18.56455	18.56455	FALSE	25.5151106	8.539001	FALSE	374.12	280	0.03228	0.0000406

5478804175400	547880	4175400	8.54226	8.54226	18.32089	18.32089	FALSE	25.180234	8.54226	FALSE	355.24	280	0.03228	0.0000406
5479004175400	547900	4175400	8.535612	8.535612	17.93748	17.93748	FALSE	24.6532766	8.535612	FALSE	336.50	280	0.03228	0.0000406
5479204175400	547920	4175400	8.531892	8.531892	17.67488	17.67488	FALSE	24.2923578	8.531892	FALSE	317.91	280	0.03228	0.0000406
5479404175400	547940	4175400	8.498082	8.498082	16.83361	16.83361	FALSE	23.1361095	8.498082	FALSE	299.50	280	0.03228	0.0000406
5479604175400	547960	4175400	8.483215	8.483215	16.47619	16.47619	FALSE	22.6448728	8.483215	FALSE	281.30	280	0.03228	0.0000406
5479804175400	547980	4175400	8.473363	8.473363	16.22723	16.22723	FALSE	22.302709	8.473363	FALSE	263.37	260	0.04035	0.00005075
5480004175400	548000	4175400	8.46167	8.46167	15.88172	15.88172	FALSE	21.8278415	8.46167	FALSE	245.76	240	0.04842	0.0000609
5480204175400	548020	4175400	8.458436	8.458436	15.85193	15.85193	FALSE	21.786894	8.458436	FALSE	228.54	220	0.05649	0.00007105
5480404175400	548040	4175400	8.457996	8.457996	15.96728	15.96728	FALSE	21.945431	8.457996	FALSE	211.81	200	0.06456	0.0000812
5480604175400	548060	4175400	8.456307	8.456307	16.12823	16.12823	FALSE	22.1666324	8.456307	FALSE	195.70	180	0.07263	0.00009135
5480804175400	548080	4175400	8.456803	8.456803	16.44488	16.44488	FALSE	22.6018417	8.456803	FALSE	180.36	180	0.07263	0.00009135
5481004175400	548100	4175400	8.463553	8.463553	17.15538	17.15538	FALSE	23.5783501	8.463553	FALSE	166.03	160	0.0807	0.0001015
5481204175400	548120	4175400	8.460996	8.460996	17.54864	17.54864	FALSE	24.1188467	8.460996	FALSE	152.96	150	0.09684	0.0001218
5481404175400	548140	4175400	8.468863	8.468863	18.32734	18.32734	FALSE	25.1890961	8.468863	FALSE	141.53	140	0.11298	0.0001421
5481604175400	548160	4175400	8.495106	8.495106	19.9067	19.9067	FALSE	27.3597726	8.495106	FALSE	132.15	130	0.12105	0.00015225
5481804175400	548180	4175400	8.520991	8.520991	21.93356	21.93356	FALSE	30.1454821	8.520991	FALSE	125.29	120	0.12912	0.0001624
5482004175400	548200	4175400	8.554997	8.554997	24.6342	24.6342	FALSE	33.8572472	8.554997	FALSE	121.37	120	0.12912	0.0001624
5482204175400	548220	4175400	8.631937	8.631937	29.63174	29.63174	FALSE	40.7258607	8.631937	FALSE	120.68	120	0.12912	0.0001624
5482404175400	548240	4175400	8.797772	8.797772	40.16281	40.16281	FALSE	55.1997647	8.797772	FALSE	123.28	120	0.12912	0.0001624
5482604175400	548260	4175400	9.24273	9.24273	67.42742	67.42742	FALSE	92.6722433	9.24273	FALSE	128.96	120	0.12912	0.0001624
5482804175400	548280	4175400	8.936711	8.936711	49.42845	49.42845	FALSE	67.9344548	8.936711	FALSE	137.35	130	0.12105	0.00015225
5483004175400	548300	4175400	8.843489	8.843489	46.30488	46.30488	FALSE	63.6414257	8.843489	FALSE	147.98	140	0.11298	0.0001421
5483204175400	548320	4175400	8.713026	8.713026	37.6873	37.6873	FALSE	51.7974279	8.713026	FALSE	160.41	160	0.0807	0.0001015
5483404175400	548340	4175400	8.578454	8.578454	28.71467	28.71467	FALSE	39.4654452	8.578454	FALSE	174.25	160	0.0807	0.0001015
5483604175400	548360	4175400	8.523898	8.523898	25.0717	25.0717	FALSE	34.458539	8.523898	FALSE	189.20	180	0.07263	0.00009135
5483804175400	548380	4175400	8.489832	8.489832	22.80192	22.80192	FALSE	31.338963	8.489832	FALSE	205.01	200	0.06456	0.0000812
5484004175400	548400	4175400	8.461188	8.461188	21.00019	21.00019	FALSE	28.8626611	8.461188	FALSE	221.50	220	0.05649	0.00007105
5484204175400	548420	4175400	8.454081	8.454081	20.29995	20.29995	FALSE	27.9002485	8.454081	FALSE	238.53	220	0.05649	0.00007105
5484404175400	548440	4175400	8.458796	8.458796	20.3355	20.3355	FALSE	27.9491043	8.458796	FALSE	255.99	240	0.04842	0.0000609
5484604175400	548460	4175400	8.45626	8.45626	19.47878	19.47878	FALSE	26.7716325	8.45626	FALSE	273.79	260	0.04035	0.00005075
5484804175400	548480	4175400	8.45115	8.45115	18.63851	18.63851	FALSE	25.6167681	8.45115	FALSE	291.89	280	0.03228	0.0000406
5485004175400	548500	4175400	8.4755	8.4755	19.52187	19.52187	FALSE	26.8308609	8.4755	FALSE	310.21	280	0.03228	0.0000406
5485204175400	548520	4175400	8.515073	8.515073	20.92508	20.92508	FALSE	28.7594272	8.515073	FALSE	328.73	280	0.03228	0.0000406
5485404175400	548540	4175400	8.555816	8.555816	22.14607	22.14607	FALSE	30.4375531	8.555816	FALSE	347.41	280	0.03228	0.0000406
5485604175400	548560	4175400	8.583334	8.583334	22.77831	22.77831	FALSE	31.306512	8.583334	FALSE	366.24	280	0.03228	0.0000406
5485804175400	548580	4175400	8.589832	8.589832	22.60823	22.60823	FALSE	31.0727513	8.589832	FALSE	385.18	280	0.03228	0.0000406
5486004175400	548600	4175400	8.62146	8.62146	23.35346	23.35346	FALSE	32.0969995	8.62146	FALSE	404.22	280	0.03228	0.0000406
5486204175400	548620	4175400	8.703349	8.703349	26.3007	26.3007	FALSE	36.1476821	8.703349	FALSE	423.36	280	0.03228	0.0000406
5486404175400	548640	4175400	8.879379	8.879379	33.04694	33.04694	FALSE	45.4197102	8.879379	FALSE	442.56	280	0.03228	0.0000406
5486604175400	548660	4175400	9.02568	9.02568	36.85129	36.85129	FALSE	50.6484144	9.02568	FALSE	461.84	280	0.03228	0.0000406
5486804175400	548680	4175400	9.350366	9.350366	47.4375	47.4375	TRUE	65.1981014	9.350366	TRUE	481.18	280	0.03228	0.0000406
5487004175400	548700	4175400	9.793531	9.793531	57.65618	57.65618	TRUE	79.2426497	9.793531	TRUE	500.56	280	0.03228	0.0000406
5487204175400	548720	4175400	9.920305	9.920305	62.76314	62.76314	FALSE	86.2616637	9.920305	FALSE	520.00	280	0.03228	0.0000406
5487404175400	548740	4175400	10.04378	10.04378	68.70391	68.70391	FALSE	94.4266525	10.043775	FALSE	539.47	280	0.03228	0.0000406
5487604175400	548760	4175400	10.32629	10.32629	80.85519	80.85519	TRUE	111.127372	10.326285	TRUE	558.98	280	0.03228	0.0000406
5487804175400	548780	4175400	9.593994	9.593994	53.52486	53.52486	TRUE	73.5645662	9.593994	TRUE	578.53	280	0.03228	0.0000406
5488004175400	548800	4175400	9.290162	9.290162	42.70939	42.70939	FALSE	58.6997884	9.290162	FALSE	598.11	280	0.03228	0.0000406
5488204175400	548820	4175400	9.11523	9.11523	36.69846	36.69846	FALSE	50.4383593	9.11523	FALSE	617.71	280	0.03228	0.0000406
5488404175400	548840	4175400	8.998757	8.998757	32.83148	32.83148	FALSE	45.1235875	8.998757	FALSE	637.34	280	0.03228	0.0000406
5488604175400	548860	4175400	8.914057	8.914057	30.09464	30.09464	FALSE	41.3620732	8.914057	FALSE	656.99	280	0.03228	0.0000406
5488804175400	548880	4175400	8.850004	8.850004	28.05024	28.05024	FALSE	38.552243	8.850004	FALSE	676.66	280	0.03228	0.0000406
5489004175400	548900	4175400	8.801113	8.801113	26.49876	26.49876	FALSE	36.4198985	8.801113	FALSE	696.34	280	0.03228	0.0000406
5489204175400	548920	4175400	8.763929	8.763929	25.32404	25.32404	FALSE	34.8053592	8.763929	FALSE	716.05	280	0.03228	0.0000406
5489404175400	548940	4175400	8.73428	8.73428	24.38525	24.38525	FALSE	33.5150807	8.73428	FALSE	735.77	280	0.03228	0.0000406
5489604175400	548960	4175400	8.711762	8.711762	23.66225	23.66225	FALSE	32.5214005	8.711762	FALSE	755.51	280	0.03228	0.0000406
5489804175400	548980	4175400	8.696036	8.696036	23.18031	23.18031	FALSE	31.8590126	8.696036	FALSE	775.26	280	0.03228	0.0000406
5490004175400	549000	4175400	8.688385	8.688385	22.95437	22.95437	FALSE	31.5484806	8.688385	FALSE	795.02	280	0.03228	0.0000406
5490204175400	549020	4175400	8.699653	8.699653	23.36045	23.36045	FALSE	32.1065984	8.699653	FALSE	814.80	280	0.03228	0.0000406
5490404175400	549040	4175400	8.758194	8.758194	25.22595	25.22595	FALSE	34.6705402	8.758194	FALSE	834.58	280	0.03228	0.0000406
5490604175400	549060	4175400	8.721802	8.721802	24.14936	24.14936	FALSE	33.1908831	8.721802	FALSE	854.38	280	0.03228	0.0000406
5490804175400	549080	4175400	8.674489	8.674489	22.84132	22.84132	FALSE	31.3931061	8.674489	FALSE	874.18	280	0.03228	0.0000406
5491004175400	549100	4175400	8.643564	8.643564	22.00952	22.00952	FALSE	30.2498788	8.643564	FALSE	894.00	280	0.03228	0.0000406
5491204175400	549120	4175400	8.618987	8.618987	21.33426	21.33426	FALSE	29.3218124	8.618987	FALSE	913.82	280	0.03228	0.0000406
5491404175400	549140	4175400	8.602562	8.602562	20.85358	20.85358	FALSE	28.6611658	8.602562	FALSE	933.65	280	0.03228	0.0000406
5469404175420	546940	4175420	8.281348	8.281348	8.432141	8.432141	FALSE	11.5891346	8.281348	FALSE	1281.90	280	0.03228	0.0000406
5469604175420	546960	4175420	8.27875	8.27875	8.279921	8.279921	FALSE	11.3799234	8.27875	FALSE	1262.02	280	0.03228	0.0000406
5469804175420	546980	4175420	8.2773	8.2773	8.195945	8.195945	FALSE	11.2645068	8.2773	FALSE	1242.14	280	0.03228	0.0000406
5470004175420	547000	4175420	8.276159	8.276159	8.132962	8.132962	FALSE	11.177943	8.276159	FALSE	1222.27	280	0.03228	0.0000406
5470204175420	547020	4175420	8.275937	8.275937	8.111046	8.111046	FALSE	11.1478216	8.275937	FALSE	1202.41	280	0.03228	0.0000406
5470404175420	547040	4175420	8.277288	8.277288	8.142371	8.142371	FALSE	11.1908747	8.277288	FALSE	1182.55	280	0.03228	0.0000406
5470604175420	547060	4175420	8.277744	8.277744	8.13632	8.13632	FALSE	11.1825582	8.277744	FALSE	1162.69	280	0.03228	0.0000406
5470804175420	547080	4175420	8.278668	8.278668	8.13831	8.13831	FALSE	11.1852933	8.278668	FALSE	1142.84	280	0.03228	0.0000406
5471004175420	547100	4175420	8.280505	8.280505	8.191823	8.191823	FALSE	11.2588415	8.280505	FALSE	1123.00	280	0.03228	0.0000406
5471204175420	547120	4175420	8.284225	8.284225	8.321428	8.321428	FALSE	11.4369706	8.284225	FALSE	1103.16	280	0.03228	0.0000406
5471404175420	547140	4175420	8.288147	8.288147	8.460511	8.460511	FALSE	11.6281263	8.288147	FALSE	1083.32	280	0.03228	0.0000406
5471604175420	547160	4175420	8.293812	8.293812	8.59155	8.59155	FALSE	11.8082263	8.293812	FALSE	1063.49	280	0.03228	0.0000406
5471804175420	547180	4175420	8.312393	8.312393	9.047913	9.047913	FALSE	12.4354516	8.312393	FALSE	1043.67	280	0.03228	0.0000406
5472004175420	547200	4175420	8.328362	8.328362	9.393253	9.393253	FALSE	12.9100869	8.328362	FALSE	1023.86	280	0.03228	0.0000406
5472204175420	547220	4175420	8.363212	8.363212	10.16294	10.16294	FALSE	13.9679379	8.363212	FALSE	1004.05	280	0.03228	0.0000406
5472404175420	547240	4175420	8.337607	8.337607	9.805836	9.805836	FALSE	13.477141	8.337607	FALSE	984.25	280	0.03228	0.0000406
5472604175420	547260	4175420	8.33393	8.33393	9.956622	9.956622	FALSE	13.6843813	8.33393	FALSE	964.46	280	0.03228	0.0000406
5472804175420	547280	4175420	8.327845	8.327845	9.816614	9.816614	FALSE	13.4919543	8.327845	FALSE	944.68	280	0.03228	0.0000406
5473004175420	547300	4175420	8.332099	8.332099	9.991044	9.991044	FALSE	13.7316909	8.332099	FALSE	924.91	280	0.03228	0.0000406
5473204175420	547320	4175420	8.347033	8.347033	10.55875	10.55875	FALSE	14.5119515	8.347033	FALSE	905.15	280	0.03228	0.0000406
5473404175420	547340	4175420	8.367291	8.367291	11.3019	11.3019	FALSE	15.5333245	8.367291	FALSE	885.39	280	0.03228	0.0000406
5473604175420	547360	4175420	8.386272	8.386272	12.02913	12.02913	FALSE	16.5328363	8.386272	FALSE	865.65	280	0.03228	0.0000406
5473804175420	547380	4175420	8.415635	8.415635	13.12538	13.12538	FALSE	18.039525	8.415635	FALSE	845.92	280	0.03228	0.0000406
5474004175420	547400	4175420	8.445413	8.445413	14.32552	14.32552	FALSE	19.6889974	8.445413	FALSE	826.21	280	0.03228	0.0000406
5474204175420	547420	4175420	8.483997	8.483997	15.8943	15.8943	FALSE	21.8451245	8.483997	FALSE	806.51	280	0.03228	0.0000406
5474404175420	547440	4175420	8.536261	8.536261	18.04004	18.04004	FALSE	24.7942365	8.536261	FALSE	786.82	280	0.03228	0.0000406
5474604175420	547460	4175420	8.6081	8.6081	20.96988	20.96988	FALSE	28.8210003	8.6081	FALSE	767.15	280	0.03228	0.0000406
5474804175420	547480	4175420	8.694965	8.694965	24.6391	24.6391	FALSE	33.863979	8.694965	FALSE	747.50	280	0.03228	0.0000406
5475004175420	547500	4175420	8.831517	8.831517	30.37505	30.37505	FALSE	41.7474728	8.831517	FALSE	727.86	280	0.03228	0.0000406
5475204175420	547520	4175420	8.76672	8.76672	26.16661	26.16661	FALSE	35.9633929	8.76672	FALSE	708.25	280	0.03228	0.0000406

5475404175420	547540	4175420	8.742174	8.742174	26.30605	26.30605	FALSE	36.1550282	8.742174	FALSE	688.66	280	0.03228	0.0000406
5475604175420	547560	4175420	8.883573	8.883573	30.91175	30.91175	FALSE	42.4851147	8.883573	FALSE	669.09	280	0.03228	0.0000406
5475804175420	547580	4175420	8.899728	8.899728	31.72139	31.72139	FALSE	43.5978825	8.899728	FALSE	649.55	280	0.03228	0.0000406
5476004175420	547600	4175420	8.762375	8.762375	27.94654	27.94654	FALSE	38.409726	8.762375	FALSE	630.04	280	0.03228	0.0000406
5476204175420	547620	4175420	8.688234	8.688234	24.0591	24.0591	FALSE	33.0668215	8.688234	FALSE	610.56	280	0.03228	0.0000406
5476404175420	547640	4175420	8.639687	8.639687	21.78844	21.78844	FALSE	29.9460292	8.639687	FALSE	591.12	280	0.03228	0.0000406
5476604175420	547660	4175420	8.598916	8.598916	20.08324	20.08324	FALSE	27.6024051	8.598916	FALSE	571.71	280	0.03228	0.0000406
5476804175420	547680	4175420	8.56583	8.56583	18.73023	18.73023	FALSE	25.7428267	8.56583	FALSE	552.35	280	0.03228	0.0000406
5477004175420	547700	4175420	8.543949	8.543949	17.87199	17.87199	FALSE	24.5632672	8.543949	FALSE	533.03	280	0.03228	0.0000406
5477204175420	547720	4175420	8.530913	8.530913	17.36401	17.36401	FALSE	23.8650967	8.530913	FALSE	513.76	280	0.03228	0.0000406
5477404175420	547740	4175420	8.52346	8.52346	17.13037	17.13037	FALSE	23.5439778	8.52346	FALSE	494.56	280	0.03228	0.0000406
5477604175420	547760	4175420	8.512304	8.512304	16.88124	16.88124	FALSE	23.2015749	8.512304	FALSE	475.42	280	0.03228	0.0000406
5477804175420	547780	4175420	8.500424	8.500424	16.64072	16.64072	FALSE	22.8710111	8.500424	FALSE	456.35	280	0.03228	0.0000406
5478004175420	547800	4175420	8.490535	8.490535	16.47399	16.47399	FALSE	22.6418464	8.490535	FALSE	437.36	280	0.03228	0.0000406
5478204175420	547820	4175420	8.47602	8.47602	15.94112	15.94112	FALSE	21.9094781	8.47602	FALSE	418.47	280	0.03228	0.0000406
5478404175420	547840	4175420	8.479644	8.479644	15.98889	15.98889	FALSE	21.9751332	8.479644	FALSE	399.69	280	0.03228	0.0000406
5478604175420	547860	4175420	8.481986	8.481986	16.00201	16.00201	FALSE	21.993157	8.481986	FALSE	381.03	280	0.03228	0.0000406
5478804175420	547880	4175420	8.493408	8.493408	16.15203	16.15203	FALSE	22.1993445	8.493408	FALSE	362.52	280	0.03228	0.0000406
5479004175420	547900	4175420	8.534655	8.534655	16.85922	16.85922	FALSE	23.1713106	8.534655	FALSE	344.17	280	0.03228	0.0000406
5479204175420	547920	4175420	8.490052	8.490052	15.90223	15.90223	FALSE	21.8560263	8.490052	FALSE	326.02	280	0.03228	0.0000406
5479404175420	547940	4175420	8.462205	8.462205	15.3188	15.3188	FALSE	21.0541546	8.462205	FALSE	308.09	280	0.03228	0.0000406
5479604175420	547960	4175420	8.451157	8.451157	15.11415	15.11415	FALSE	20.772885	8.451157	FALSE	290.44	280	0.03228	0.0000406
5479804175420	547980	4175420	8.446306	8.446306	15.08363	15.08363	FALSE	20.7309411	8.446306	FALSE	273.10	260	0.04035	0.00005075
5480004175420	548000	4175420	8.437617	8.437617	14.87858	14.87858	FALSE	20.4491217	8.437617	FALSE	256.16	240	0.04842	0.0000609
5480204175420	548020	4175420	8.437088	8.437088	14.96766	14.96766	FALSE	20.5715519	8.437088	FALSE	239.69	220	0.05649	0.00007105
5480404175420	548040	4175420	8.43846	8.43846	15.16881	15.16881	FALSE	20.8480152	8.43846	FALSE	223.80	220	0.05649	0.00007105
5480604175420	548060	4175420	8.4374	8.4374	15.36193	15.36193	FALSE	21.1134297	8.4374	FALSE	208.61	200	0.06456	0.0000812
5480804175420	548080	4175420	8.437753	8.437753	15.66666	15.66666	FALSE	21.532252	8.437753	FALSE	194.30	180	0.07263	0.00009135
5481004175420	548100	4175420	8.445133	8.445133	16.38417	16.38417	FALSE	22.5183991	8.445133	FALSE	181.07	180	0.07263	0.00009135
5481204175420	548120	4175420	8.449215	8.449215	17.03142	17.03142	FALSE	23.4079795	8.449215	FALSE	169.17	160	0.0807	0.0001015
5481404175420	548140	4175420	8.4617	8.4617	18.00954	18.00954	FALSE	24.7523159	8.4617	FALSE	158.91	150	0.09684	0.0001218
5481604175420	548160	4175420	8.484693	8.484693	19.41536	19.41536	FALSE	26.6844763	8.484693	FALSE	150.62	150	0.09684	0.0001218
5481804175420	548180	4175420	8.507001	8.507001	21.24178	21.24178	FALSE	29.1946956	8.507001	FALSE	144.63	140	0.11298	0.0001421
5482004175420	548200	4175420	8.5398	8.5398	23.91462	23.91462	FALSE	32.8682482	8.5398	FALSE	141.25	140	0.11298	0.0001421
5482204175420	548220	4175420	8.616974	8.616974	29.05512	29.05512	FALSE	39.9333611	8.616974	FALSE	140.66	140	0.11298	0.0001421
5482404175420	548240	4175420	8.784051	8.784051	39.79382	39.79382	FALSE	54.6926235	8.784051	FALSE	142.90	140	0.11298	0.0001421
5482604175420	548260	4175420	8.845551	8.845551	43.84988	43.84988	FALSE	60.2672696	8.845551	FALSE	147.83	140	0.11298	0.0001421
5482804175420	548280	4175420	8.894595	8.894595	47.2975	47.2975	FALSE	65.0056854	8.894595	FALSE	155.20	150	0.09684	0.0001218
5483004175420	548300	4175420	8.745598	8.745598	39.67541	39.67541	FALSE	54.529878	8.745598	FALSE	164.68	160	0.0807	0.0001015
5483204175420	548320	4175420	8.601705	8.601705	30.28943	30.28943	FALSE	41.6297871	8.601705	FALSE	175.93	160	0.0807	0.0001015
5483404175420	548340	4175420	8.565365	8.565365	28.56033	28.56033	FALSE	39.2533148	8.565365	FALSE	188.64	180	0.07263	0.00009135
5483604175420	548360	4175420	8.48473	8.48473	23.07282	23.07282	FALSE	31.7112824	8.48473	FALSE	202.53	200	0.06456	0.0000812
5483804175420	548380	4175420	8.440534	8.440534	20.13192	20.13192	FALSE	27.6693081	8.440534	FALSE	217.38	200	0.06456	0.0000812
5484004175420	548400	4175420	8.406481	8.406481	18.0042	18.0042	FALSE	24.7449739	8.406481	FALSE	232.99	220	0.05649	0.00007105
5484204175420	548420	4175420	8.39616	8.39616	17.13699	17.13699	FALSE	23.5530818	8.39616	FALSE	249.24	240	0.04842	0.0000609
5484404175420	548440	4175420	8.401235	8.401235	17.04255	17.04255	FALSE	23.4232793	8.401235	FALSE	265.99	260	0.04035	0.00005075
5484604175420	548460	4175420	8.425504	8.425504	18.1228	18.1228	FALSE	24.9079749	8.425504	FALSE	283.17	280	0.03228	0.0000406
5484804175420	548480	4175420	8.436806	8.436806	18.49873	18.49873	FALSE	25.4246573	8.436806	FALSE	300.70	280	0.03228	0.0000406
5485004175420	548500	4175420	8.439264	8.439264	17.68104	17.68104	FALSE	24.3008173	8.439264	FALSE	318.52	280	0.03228	0.0000406
5485204175420	548520	4175420	8.469124	8.469124	18.31837	18.31837	FALSE	25.1767691	8.469124	FALSE	336.58	280	0.03228	0.0000406
5485404175420	548540	4175420	8.50472	8.50472	19.31013	19.31013	FALSE	26.5398399	8.50472	FALSE	354.85	280	0.03228	0.0000406
5485604175420	548560	4175420	8.534824	8.534824	20.10618	20.10618	FALSE	27.6339352	8.534824	FALSE	373.30	280	0.03228	0.0000406
5485804175420	548580	4175420	8.552158	8.552158	20.44884	20.44884	FALSE	28.1048871	8.552158	FALSE	391.90	280	0.03228	0.0000406
5486004175420	548600	4175420	8.572144	8.572144	20.87772	20.87772	FALSE	28.6943342	8.572144	FALSE	410.63	280	0.03228	0.0000406
5486204175420	548620	4175420	8.621712	8.621712	22.37257	22.37257	FALSE	30.7488643	8.621712	FALSE	429.48	280	0.03228	0.0000406
5486404175420	548640	4175420	8.725068	8.725068	25.8038	25.8038	FALSE	35.4647468	8.725068	FALSE	448.42	280	0.03228	0.0000406
5486604175420	548660	4175420	8.893564	8.893564	31.36122	31.36122	FALSE	43.102858	8.893564	FALSE	467.46	280	0.03228	0.0000406
5486804175420	548680	4175420	9.182952	9.182952	41.28912	41.28912	TRUE	56.747772	9.182952	TRUE	486.57	280	0.03228	0.0000406
5487004175420	548700	4175420	9.569024	9.569024	52.02848	52.02848	TRUE	71.5079484	9.569024	TRUE	505.75	280	0.03228	0.0000406
5487204175420	548720	4175420	10.37929	10.37929	77.65891	77.65891	FALSE	106.734409	10.379285	FALSE	524.99	280	0.03228	0.0000406
5487404175420	548740	4175420	10.61735	10.61735	82.77453	82.77453	FALSE	113.765314	10.617349	FALSE	544.29	280	0.03228	0.0000406
5487604175420	548760	4175420	10.29472	10.29472	72.8482	72.8482	TRUE	100.122562	10.294723	TRUE	563.64	280	0.03228	0.0000406
5487804175420	548780	4175420	9.821583	9.821583	61.57208	61.57208	TRUE	84.6246599	9.821583	TRUE	583.02	280	0.03228	0.0000406
5488004175420	548800	4175420	9.407138	9.407138	46.79	46.79	FALSE	64.3081801	9.407138	FALSE	602.45	280	0.03228	0.0000406
5488204175420	548820	4175420	9.183484	9.183484	38.98901	38.98901	FALSE	53.5864898	9.183484	FALSE	621.92	280	0.03228	0.0000406
5488404175420	548840	4175420	9.044083	9.044083	34.27883	34.27883	FALSE	47.1128171	9.044083	FALSE	641.42	280	0.03228	0.0000406
5488604175420	548860	4175420	8.947779	8.947779	31.1019	31.1019	FALSE	42.7464527	8.947779	FALSE	660.95	280	0.03228	0.0000406
5488804175420	548880	4175420	8.876111	8.876111	28.76704	28.76704	FALSE	39.5374239	8.876111	FALSE	680.50	280	0.03228	0.0000406
5489004175420	548900	4175420	8.818732	8.818732	26.93643	26.93643	FALSE	37.0214308	8.818732	FALSE	700.08	280	0.03228	0.0000406
5489204175420	548920	4175420	8.775593	8.775593	25.57149	25.57149	FALSE	35.1454559	8.775593	FALSE	719.69	280	0.03228	0.0000406
5489404175420	548940	4175420	8.741729	8.741729	24.50613	24.50613	FALSE	33.6812306	8.741729	FALSE	739.31	280	0.03228	0.0000406
5489604175420	548960	4175420	8.715274	8.715274	23.64798	23.64798	FALSE	32.5017892	8.715274	FALSE	758.96	280	0.03228	0.0000406
5489804175420	548980	4175420	8.695617	8.695617	23.04618	23.04618	FALSE	31.6746753	8.695617	FALSE	778.62	280	0.03228	0.0000406
5490004175420	549000	4175420	8.683504	8.683504	22.69696	22.69696	FALSE	31.1947018	8.683504	FALSE	798.30	280	0.03228	0.0000406
5490204175420	549020	4175420	8.682283	8.682283	22.69411	22.69411	FALSE	31.1907889	8.682283	FALSE	818.00	280	0.03228	0.0000406
5490404175420	549040	4175420	8.705635	8.705635	23.49224	23.49224	FALSE	32.2877292	8.705635	FALSE	837.71	280	0.03228	0.0000406
5490604175420	549060	4175420	8.668783	8.668783	22.39031	22.39031	FALSE	30.7732476	8.668783	FALSE	857.43	280	0.03228	0.0000406
5490804175420	549080	4175420	8.706492	8.706492	23.69135	23.69135	FALSE	32.5613928	8.706492	FALSE	877.16	280	0.03228	0.0000406
5491004175420	549100	4175420	8.659506	8.659506	22.30604	22.30604	FALSE	30.6574145	8.659506	FALSE	896.91	280	0.03228	0.0000406
5491204175420	549120	4175420	8.627362	8.627362	21.38017	21.38017	FALSE	29.3849111	8.627362	FALSE	916.67	280	0.03228	0.0000406
5469404175440	546940	4175440	8.28407	8.28407	8.502009	8.502009	FALSE	11.6851612	8.28407	FALSE	1284.24	280	0.03228	0.0000406
5469604175440	546960	4175440	8.28182	8.28182	8.368431	8.368431	FALSE	11.5015716	8.28182	FALSE	1264.40	280	0.03228	0.0000406
5469804175440	546980	4175440	8.281288	8.281288	8.343197	8.343197	FALSE	11.46689	8.281288	FALSE	1244.57	280	0.03228	0.0000406
5470004175440	547000	4175440	8.280693	8.280693	8.312694	8.312694	FALSE	11.4249666	8.280693	FALSE	1224.74	280	0.03228	0.0000406
5470204175440	547020	4175440	8.280826	8.280826	8.304839	8.304839	FALSE	11.4141707	8.280826	FALSE	1204.91	280	0.03228	0.0000406
5470404175440	547040	4175440	8.282616	8.282616	8.353137	8.353137	FALSE	11.4805515	8.282616	FALSE	1185.09	280	0.03228	0.0000406
5470604175440	547060	4175440	8.283612	8.283612	8.369851	8.369851	FALSE	11.5035232	8.283612	FALSE	1165.28	280	0.03228	0.0000406
5470804175440	547080	4175440	8.285157	8.285157	8.397102	8.397102	FALSE	11.540977	8.285157	FALSE	1145.47	280	0.03228	0.0000406
5471004175440	547100	4175440	8.287736	8.287736	8.474785	8.474785	FALSE	11.6477445	8.287736	FALSE	1125.67	280	0.03228	0.0000406
5471204175440	547120	4175440	8.292396	8.292396	8.639901	8.639901	FALSE	11.8746799	8.292396	FALSE	1105.88	280	0.03228	0.0000406
5471404175440	547140	4175440	8.297451	8.297451	8.824293	8.824293	FALSE	12.1281083	8.297451	FALSE	1086.10	280	0.03228	0.0000406
5471604175440	547160	4175440	8.304877	8.304877	9.019133	9.019133	FALSE	12.3958964	8.304877	FALSE	1066.32	280	0.03228	0.0000406
5471804175440	547180	4175440	8.325707	8.325707	9.561231	9.561231	FALSE	13.1409559	8.325707	FALSE	1046.55	280	0.03228	0.0000406
5472004175440	547200	4175440	8.344436	8.344436	10.01823	10.01823	FALSE	13.7690512	8.344436	FALSE	1026.80	280	0.03228	0.0000406

5472204175440	547220	4175440	8.351412	8.351412	10.33668	10.33668	FALSE	14.2067344	8.351412	FALSE	1007.05	280	0.03228	0.0000406
5472404175440	547240	4175440	8.356985	8.356985	10.64744	10.64744	FALSE	14.6338374	8.356985	FALSE	987.31	280	0.03228	0.0000406
5472604175440	547260	4175440	8.355668	8.355668	10.92165	10.92165	FALSE	15.0107103	8.355668	FALSE	967.58	280	0.03228	0.0000406
5472804175440	547280	4175440	8.354015	8.354015	10.97124	10.97124	FALSE	15.0788695	8.354015	FALSE	947.86	280	0.03228	0.0000406
5473004175440	547300	4175440	8.364167	8.364167	11.38408	11.38408	FALSE	15.6462823	8.364167	FALSE	928.16	280	0.03228	0.0000406
5473204175440	547320	4175440	8.385839	8.385839	12.20084	12.20084	FALSE	16.7688304	8.385839	FALSE	908.47	280	0.03228	0.0000406
5473404175440	547340	4175440	8.417058	8.417058	13.30638	13.30638	FALSE	18.2882845	8.417058	FALSE	888.79	280	0.03228	0.0000406
5473604175440	547360	4175440	8.450643	8.450643	14.55608	14.55608	FALSE	20.0058695	8.450643	FALSE	869.12	280	0.03228	0.0000406
5473804175440	547380	4175440	8.503574	8.503574	16.60084	16.60084	FALSE	22.8161945	8.503574	FALSE	849.48	280	0.03228	0.0000406
5474004175440	547400	4175440	8.567775	8.567775	19.27637	19.27637	FALSE	26.4934402	8.567775	FALSE	829.84	280	0.03228	0.0000406
5474204175440	547420	4175440	8.664497	8.664497	23.33389	23.33389	FALSE	32.0701025	8.664497	FALSE	810.23	280	0.03228	0.0000406
5474404175440	547440	4175440	8.843704	8.843704	30.98025	30.98025	FALSE	42.5792501	8.843704	FALSE	790.64	280	0.03228	0.0000406
5474604175440	547460	4175440	8.839169	8.839169	28.81783	28.81783	FALSE	39.6072297	8.839169	FALSE	771.07	280	0.03228	0.0000406
5474804175440	547480	4175440	8.997912	8.997912	34.74902	34.74902	FALSE	47.7590545	8.997912	FALSE	751.52	280	0.03228	0.0000406
5475004175440	547500	4175440	8.861161	8.861161	29.4076	29.4076	FALSE	40.4178068	8.861161	FALSE	731.99	280	0.03228	0.0000406
5475204175440	547520	4175440	8.7151	8.7151	24.24633	24.24633	FALSE	33.3241518	8.7151	FALSE	712.49	280	0.03228	0.0000406
5475404175440	547540	4175440	8.63709	8.63709	21.96519	21.96519	FALSE	30.1889558	8.63709	FALSE	693.02	280	0.03228	0.0000406
5475604175440	547560	4175440	8.591465	8.591465	19.23344	19.23344	FALSE	26.4344358	8.591465	FALSE	673.58	280	0.03228	0.0000406
5475804175440	547580	4175440	8.562038	8.562038	18.0901	18.0901	FALSE	24.8630334	8.562038	FALSE	654.17	280	0.03228	0.0000406
5476004175440	547600	4175440	8.551981	8.551981	20.09424	20.09424	FALSE	27.6175235	8.551981	FALSE	634.80	280	0.03228	0.0000406
5476204175440	547620	4175440	8.533159	8.533159	18.3627	18.3627	FALSE	25.2377004	8.533159	FALSE	615.47	280	0.03228	0.0000406
5476404175440	547640	4175440	8.51806	8.51806	17.23138	17.23138	FALSE	23.6828059	8.51806	FALSE	596.19	280	0.03228	0.0000406
5476604175440	547660	4175440	8.502404	8.502404	16.36655	16.36655	FALSE	22.4941808	8.502404	FALSE	576.95	280	0.03228	0.0000406
5476804175440	547680	4175440	8.491392	8.491392	15.742	15.742	FALSE	21.6358021	8.491392	FALSE	557.77	280	0.03228	0.0000406
5477004175440	547700	4175440	8.485539	8.485539	15.33244	15.33244	FALSE	21.0729055	8.485539	FALSE	538.65	280	0.03228	0.0000406
5477204175440	547720	4175440	8.487476	8.487476	15.22762	15.22762	FALSE	20.9288423	8.487476	FALSE	519.59	280	0.03228	0.0000406
5477404175440	547740	4175440	8.503265	8.503265	15.3614	15.3614	FALSE	21.1127013	8.503265	FALSE	500.61	280	0.03228	0.0000406
5477604175440	547760	4175440	8.473259	8.473259	14.68397	14.68397	FALSE	20.1816497	8.473259	FALSE	481.71	280	0.03228	0.0000406
5477804175440	547780	4175440	8.44768	8.44768	14.23177	14.23177	FALSE	19.5601488	8.44768	FALSE	462.90	280	0.03228	0.0000406
5478004175440	547800	4175440	8.439713	8.439713	14.1565	14.1565	FALSE	19.4566936	8.439713	FALSE	444.19	280	0.03228	0.0000406
5478204175440	547820	4175440	8.432005	8.432005	13.94619	13.94619	FALSE	19.1676422	8.432005	FALSE	425.61	280	0.03228	0.0000406
5478404175440	547840	4175440	8.439324	8.439324	14.16703	14.16703	FALSE	19.471166	8.439324	FALSE	407.15	280	0.03228	0.0000406
5478604175440	547860	4175440	8.446	8.446	14.37236	14.37236	FALSE	19.7533675	8.446	FALSE	388.85	280	0.03228	0.0000406
5478804175440	547880	4175440	8.462226	8.462226	14.72767	14.72767	FALSE	20.2417028	8.462226	FALSE	370.73	280	0.03228	0.0000406
5479004175440	547900	4175440	8.459595	8.459595	14.66675	14.66675	FALSE	20.1579771	8.459595	FALSE	352.81	280	0.03228	0.0000406
5479204175440	547920	4175440	8.457466	8.457466	14.61115	14.61115	FALSE	20.0815646	8.457466	FALSE	335.12	280	0.03228	0.0000406
5479404175440	547940	4175440	8.434789	8.434789	14.19477	14.19477	FALSE	19.5092974	8.434789	FALSE	317.71	280	0.03228	0.0000406
5479604175440	547960	4175440	8.426625	8.426625	14.09283	14.09283	FALSE	19.369191	8.426625	FALSE	300.62	280	0.03228	0.0000406
5479804175440	547980	4175440	8.424868	8.424868	14.19069	14.19069	FALSE	19.5036775	8.424868	FALSE	283.92	280	0.03228	0.0000406
5480004175440	548000	4175440	8.419076	8.419076	14.11699	14.11699	FALSE	19.4023966	8.419076	FALSE	267.66	260	0.04035	0.00005075
5480204175440	548020	4175440	8.41999	8.41999	14.27594	14.27594	FALSE	19.6208574	8.41999	FALSE	251.94	240	0.04842	0.0000609
5480404175440	548040	4175440	8.422067	8.422067	14.51933	14.51933	FALSE	19.9553685	8.422067	FALSE	236.87	220	0.05649	0.00007105
5480604175440	548060	4175440	8.42165	8.42165	14.73719	14.73719	FALSE	20.2547994	8.42165	FALSE	222.58	220	0.05649	0.00007105
5480804175440	548080	4175440	8.422763	8.422763	15.07012	15.07012	FALSE	20.7123674	8.422763	FALSE	209.22	200	0.06456	0.0000812
5481004175440	548100	4175440	8.429982	8.429982	15.75267	15.75267	FALSE	21.6504738	8.429982	FALSE	197.00	180	0.07263	0.00009135
5481204175440	548120	4175440	8.438043	8.438043	16.49175	16.49175	FALSE	22.6662585	8.438043	FALSE	186.12	180	0.07263	0.00009135
5481404175440	548140	4175440	8.452009	8.452009	17.49241	17.49241	FALSE	24.0415628	8.452009	FALSE	176.85	160	0.0807	0.0001015
5481604175440	548160	4175440	8.472172	8.472172	18.77082	18.77082	FALSE	25.798615	8.472172	FALSE	169.43	160	0.0807	0.0001015
5481804175440	548180	4175440	8.493257	8.493257	20.56601	20.56601	FALSE	28.2659186	8.493257	FALSE	164.14	160	0.0807	0.0001015
5482004175440	548200	4175440	8.525421	8.525421	23.22841	23.22841	FALSE	31.9251226	8.525421	FALSE	161.17	160	0.0807	0.0001015
5482204175440	548220	4175440	8.602064	8.602064	28.37551	28.37551	FALSE	38.9993023	8.602064	FALSE	160.65	160	0.0807	0.0001015
5482404175440	548240	4175440	8.775161	8.775161	39.61564	39.61564	FALSE	54.4477287	8.775161	FALSE	162.61	160	0.0807	0.0001015
5482604175440	548260	4175440	8.847037	8.847037	44.31521	44.31521	FALSE	60.9068246	8.847037	FALSE	166.96	160	0.0807	0.0001015
5482804175440	548280	4175440	8.843546	8.843546	44.52218	44.52218	FALSE	61.1912787	8.843546	FALSE	173.51	160	0.0807	0.0001015
5483004175440	548300	4175440	8.664473	8.664473	34.70233	34.70233	FALSE	47.6948755	8.664473	FALSE	182.05	180	0.07263	0.00009135
5483204175440	548320	4175440	8.548684	8.548684	27.45376	27.45376	FALSE	37.732445	8.548684	FALSE	192.29	180	0.07263	0.00009135
5483404175440	548340	4175440	8.545344	8.545344	28.2381	28.2381	FALSE	38.810446	8.545344	FALSE	203.98	200	0.06456	0.0000812
5483604175440	548360	4175440	8.447979	8.447979	21.49419	21.49419	FALSE	29.5416202	8.447979	FALSE	216.89	200	0.06456	0.0000812
5483804175440	548380	4175440	8.397338	8.397338	18.09767	18.09767	FALSE	24.8734335	8.397338	FALSE	230.81	220	0.05649	0.00007105
5484004175440	548400	4175440	8.359717	8.359717	15.74057	15.74057	FALSE	21.6338325	8.359717	FALSE	245.57	240	0.04842	0.0000609
5484204175440	548420	4175440	8.353583	8.353583	15.16777	15.16777	FALSE	20.8465831	8.353583	FALSE	261.04	260	0.04035	0.00005075
5484404175440	548440	4175440	8.363889	8.363889	15.41521	15.41521	FALSE	21.186666	8.363889	FALSE	277.08	260	0.04035	0.00005075
5484604175440	548460	4175440	8.385745	8.385745	16.1019	16.1019	FALSE	22.13045	8.385745	FALSE	293.61	280	0.03228	0.0000406
5484804175440	548480	4175440	8.408206	8.408206	17.16507	17.16507	FALSE	23.5916722	8.408206	FALSE	310.55	280	0.03228	0.0000406
5485004175440	548500	4175440	8.426741	8.426741	17.55824	17.55824	FALSE	24.1320437	8.426741	FALSE	327.83	280	0.03228	0.0000406
5485204175440	548520	4175440	8.44528	8.44528	17.31206	17.31206	FALSE	23.793698	8.44528	FALSE	345.41	280	0.03228	0.0000406
5485404175440	548540	4175440	8.476834	8.476834	18.01355	18.01355	FALSE	24.7578272	8.476834	FALSE	363.24	280	0.03228	0.0000406
5485604175440	548560	4175440	8.507067	8.507067	18.77509	18.77509	FALSE	25.8044878	8.507067	FALSE	381.28	280	0.03228	0.0000406
5485804175440	548580	4175440	8.527556	8.527556	19.23386	19.23386	FALSE	26.4350144	8.527556	FALSE	399.51	280	0.03228	0.0000406
5486004175440	548600	4175440	8.536429	8.536429	19.30861	19.30861	FALSE	26.5377481	8.536429	FALSE	417.90	280	0.03228	0.0000406
5486204175440	548620	4175440	8.569682	8.569682	20.23175	20.23175	FALSE	27.8065145	8.569682	FALSE	436.43	280	0.03228	0.0000406
5486404175440	548640	4175440	8.642688	8.642688	22.55162	22.55162	FALSE	30.9949465	8.642688	FALSE	455.09	280	0.03228	0.0000406
5486604175440	548660	4175440	8.802326	8.802326	27.83321	27.83321	FALSE	38.2539652	8.802326	FALSE	473.86	280	0.03228	0.0000406
5486804175440	548680	4175440	9.060506	9.060506	36.56636	36.56636	FALSE	50.2568011	9.060506	FALSE	492.72	280	0.03228	0.0000406
5487004175440	548700	4175440	9.53697	9.53697	53.81321	53.81321	TRUE	73.960869	9.53697	TRUE	511.67	280	0.03228	0.0000406
5487204175440	548720	4175440	10.43988	10.43988	84.04517	84.04517	FALSE	115.511683	10.439876	FALSE	530.70	280	0.03228	0.0000406
5487404175440	548740	4175440	10.65847	10.65847	84.2337	84.2337	FALSE	115.770793	10.658467	FALSE	549.79	280	0.03228	0.0000406
5487604175440	548760	4175440	10.68415	10.68415	87.04832	87.04832	FALSE	119.639207	10.684148	FALSE	568.95	280	0.03228	0.0000406
5487804175440	548780	4175440	10.10319	10.10319	71.53443	71.53443	TRUE	98.316922	10.10319	TRUE	588.17	280	0.03228	0.0000406
5488004175440	548800	4175440	9.573987	9.573987	52.5751	52.5751	TRUE	72.2592188	9.573987	TRUE	607.43	280	0.03228	0.0000406
5488204175440	548820	4175440	9.284009	9.284009	42.35692	42.35692	FALSE	58.2153481	9.284009	FALSE	626.74	280	0.03228	0.0000406
5488404175440	548840	4175440	9.105286	9.105286	36.23926	36.23926	FALSE	49.8072362	9.105286	FALSE	646.10	280	0.03228	0.0000406
5488604175440	548860	4175440	8.991424	8.991424	32.4352	32.4352	FALSE	44.5789389	8.991424	FALSE	665.49	280	0.03228	0.0000406
5488804175440	548880	4175440	8.909984	8.909984	29.7461	29.7461	FALSE	40.8830343	8.909984	FALSE	684.91	280	0.03228	0.0000406
5489004175440	548900	4175440	8.843338	8.843338	27.60803	27.60803	FALSE	37.9444709	8.843338	FALSE	704.37	280	0.03228	0.0000406
5489204175440	548920	4175440	8.793017	8.793017	26.0146	26.0146	FALSE	35.7544621	8.793017	FALSE	723.86	280	0.03228	0.0000406
5489404175440	548940	4175440	8.754253	8.754253	24.79745	24.79745	FALSE	34.0816208	8.754253	FALSE	743.37	280	0.03228	0.0000406
5489604175440	548960	4175440	8.724155	8.724155	23.82935	23.82935	FALSE	32.7510614	8.724155	FALSE	762.91	280	0.03228	0.0000406
5489804175440	548980	4175440	8.700765	8.700765	23.10905	23.10905	FALSE	31.7610714	8.700765	FALSE	782.48	280	0.03228	0.0000406
5490004175440	549000	4175440	8.683663	8.683663	22.59786	22.59786	FALSE	31.0585029	8.683663	FALSE	802.06	280	0.03228	0.0000406
5490204175440	549020	4175440	8.675277	8.675277	22.37495	22.37495	FALSE	30.752134	8.675277	FALSE	821.67	280	0.03228	0.0000406
5490404175440	549040	4175440	8.681556	8.681556	22.64223	22.64223	FALSE	31.1194754	8.681556	FALSE	841.29	280	0.03228	0.0000406
5490604175440	549060	4175440	8.726299	8.726299	24.13012	24.13012	FALSE	33.1644342	8.726299	FALSE	860.93	280	0.03228	0.0000406
5490804175440	549080	4175440	8.80478	8.80478	26.62944	26.62944	FALSE	36.5995037	8.80478	FALSE	880.59	280	0.03228	0.0000406

5491004175440	549100	4175440	8.687364	8.687364	23.03928	23.03928	FALSE	31.6651851	8.687364	FALSE	900.26	280	0.03228	0.0000406
5491204175440	549120	4175440	8.643719	8.643719	21.74618	21.74618	FALSE	29.8879539	8.643719	FALSE	919.95	280	0.03228	0.0000406
5469404175460	546940	4175460	8.28684	8.28684	8.558682	8.558682	FALSE	11.7630525	8.28684	FALSE	1286.89	280	0.03228	0.0000406
5469604175460	546960	4175460	8.285937	8.285937	8.511297	8.511297	FALSE	11.6979266	8.285937	FALSE	1267.10	280	0.03228	0.0000406
5469804175460	546980	4175460	8.286184	8.286184	8.53381	8.53381	FALSE	11.7288685	8.286184	FALSE	1247.30	280	0.03228	0.0000406
5470004175460	547000	4175460	8.286105	8.286105	8.531952	8.531952	FALSE	11.7263148	8.286105	FALSE	1227.52	280	0.03228	0.0000406
5470204175460	547020	4175460	8.286663	8.286663	8.541726	8.541726	FALSE	11.7397482	8.286663	FALSE	1207.74	280	0.03228	0.0000406
5470404175460	547040	4175460	8.288994	8.288994	8.611442	8.611442	FALSE	11.8355659	8.288994	FALSE	1187.97	280	0.03228	0.0000406
5470604175460	547060	4175460	8.290622	8.290622	8.652993	8.652993	FALSE	11.8926736	8.290622	FALSE	1168.20	280	0.03228	0.0000406
5470804175460	547080	4175460	8.292957	8.292957	8.711192	8.711192	FALSE	11.9726623	8.292957	FALSE	1148.45	280	0.03228	0.0000406
5471004175460	547100	4175460	8.296501	8.296501	8.813247	8.813247	FALSE	12.1129267	8.296501	FALSE	1128.70	280	0.03228	0.0000406
5471204175460	547120	4175460	8.302534	8.302534	9.019234	9.019234	FALSE	12.3960352	8.302534	FALSE	1108.96	280	0.03228	0.0000406
5471404175460	547140	4175460	8.309535	8.309535	9.266768	9.266768	FALSE	12.7362459	8.309535	FALSE	1089.23	280	0.03228	0.0000406
5471604175460	547160	4175460	8.319569	8.319569	9.558624	9.558624	FALSE	13.1373728	8.319569	FALSE	1069.52	280	0.03228	0.0000406
5471804175460	547180	4175460	8.345078	8.345078	10.26402	10.26402	FALSE	14.1068691	8.345078	FALSE	1049.81	280	0.03228	0.0000406
5472004175460	547200	4175460	8.373945	8.373945	11.01723	11.01723	FALSE	15.1420754	8.373945	FALSE	1030.11	280	0.03228	0.0000406
5472204175460	547220	4175460	8.405461	8.405461	11.91516	11.91516	FALSE	16.3761973	8.405461	FALSE	1010.43	280	0.03228	0.0000406
5472404175460	547240	4175460	8.385015	8.385015	11.87765	11.87765	FALSE	16.3246394	8.385015	FALSE	990.76	280	0.03228	0.0000406
5472604175460	547260	4175460	8.386901	8.386901	12.39833	12.39833	FALSE	17.0402593	8.386901	FALSE	971.10	280	0.03228	0.0000406
5472804175460	547280	4175460	8.394466	8.394466	12.87847	12.87847	FALSE	17.7001719	8.394466	FALSE	951.45	280	0.03228	0.0000406
5473004175460	547300	4175460	8.418266	8.418266	13.85512	13.85512	FALSE	19.0424811	8.418266	FALSE	931.82	280	0.03228	0.0000406
5473204175460	547320	4175460	8.455131	8.455131	15.21616	15.21616	FALSE	20.9130889	8.455131	FALSE	912.21	280	0.03228	0.0000406
5473404175460	547340	4175460	8.507538	8.507538	16.99375	16.99375	FALSE	23.3562031	8.507538	FALSE	892.62	280	0.03228	0.0000406
5473604175460	547360	4175460	8.573949	8.573949	19.30385	19.30385	FALSE	26.5312101	8.573949	FALSE	873.04	280	0.03228	0.0000406
5473804175460	547380	4175460	8.692458	8.692458	23.63672	23.63672	FALSE	32.4863107	8.692458	FALSE	853.48	280	0.03228	0.0000406
5474004175460	547400	4175460	8.914137	8.914137	33.25509	33.25509	FALSE	45.7057888	8.914137	FALSE	833.94	280	0.03228	0.0000406
5474204175460	547420	4175460	8.981956	8.981956	34.36311	34.36311	FALSE	47.2286529	8.981956	FALSE	814.43	280	0.03228	0.0000406
5474404175460	547440	4175460	8.874743	8.874743	29.58251	29.58251	FALSE	40.6582045	8.874743	FALSE	794.94	280	0.03228	0.0000406
5474604175460	547460	4175460	8.713312	8.713312	23.97881	23.97881	FALSE	32.956471	8.713312	FALSE	775.48	280	0.03228	0.0000406
5474804175460	547480	4175460	8.629959	8.629959	20.93755	20.93755	FALSE	28.7765715	8.629959	FALSE	756.04	280	0.03228	0.0000406
5475004175460	547500	4175460	8.575213	8.575213	18.89205	18.89205	FALSE	25.9652335	8.575213	FALSE	736.63	280	0.03228	0.0000406
5475204175460	547520	4175460	8.517006	8.517006	16.81359	16.81359	FALSE	23.1085953	8.517006	FALSE	717.26	280	0.03228	0.0000406
5475404175460	547540	4175460	8.481106	8.481106	15.59386	15.59386	FALSE	21.4321998	8.481106	FALSE	697.92	280	0.03228	0.0000406
5475604175460	547560	4175460	8.462603	8.462603	14.99924	14.99924	FALSE	20.6149582	8.462603	FALSE	678.62	280	0.03228	0.0000406
5475804175460	547580	4175460	8.456546	8.456546	14.89082	14.89082	FALSE	20.465943	8.456546	FALSE	659.37	280	0.03228	0.0000406
5476004175460	547600	4175460	8.464543	8.464543	15.1882	15.1882	FALSE	20.8746662	8.464543	FALSE	640.15	280	0.03228	0.0000406
5476204175460	547620	4175460	8.463179	8.463179	15.06066	15.06066	FALSE	20.699367	8.463179	FALSE	620.99	280	0.03228	0.0000406
5476404175460	547640	4175460	8.460793	8.460793	14.68288	14.68288	FALSE	20.1801448	8.460793	FALSE	601.88	280	0.03228	0.0000406
5476604175460	547660	4175460	8.461127	8.461127	14.39088	14.39088	FALSE	19.778831	8.461127	FALSE	582.84	280	0.03228	0.0000406
5476804175460	547680	4175460	8.477388	8.477388	14.50572	14.50572	FALSE	19.9366657	8.477388	FALSE	563.85	280	0.03228	0.0000406
5477004175460	547700	4175460	8.477036	8.477036	14.28525	14.28525	FALSE	19.6336407	8.477036	FALSE	544.94	280	0.03228	0.0000406
5477204175460	547720	4175460	8.459746	8.459746	13.76728	13.76728	FALSE	18.9217441	8.459746	FALSE	526.11	280	0.03228	0.0000406
5477404175460	547740	4175460	8.45479	8.45479	13.54205	13.54205	FALSE	18.6121963	8.45479	FALSE	507.38	280	0.03228	0.0000406
5477604175460	547760	4175460	8.430087	8.430087	12.92371	12.92371	FALSE	17.7623443	8.430087	FALSE	488.74	280	0.03228	0.0000406
5477804175460	547780	4175460	8.408593	8.408593	12.52999	12.52999	FALSE	17.221221	8.408593	FALSE	470.21	280	0.03228	0.0000406
5478004175460	547800	4175460	8.401443	8.401443	12.48593	12.48593	FALSE	17.1606567	8.401443	FALSE	451.81	280	0.03228	0.0000406
5478204175460	547820	4175460	8.399301	8.399301	12.51584	12.51584	FALSE	17.2017636	8.399301	FALSE	433.55	280	0.03228	0.0000406
5478404175460	547840	4175460	8.411722	8.411722	12.94375	12.94375	FALSE	17.7898941	8.411722	FALSE	415.45	280	0.03228	0.0000406
5478604175460	547860	4175460	8.423348	8.423348	13.32422	13.32422	FALSE	18.3128121	8.423348	FALSE	397.53	280	0.03228	0.0000406
5478804175460	547880	4175460	8.439342	8.439342	13.62839	13.62839	FALSE	18.7308633	8.439342	FALSE	379.82	280	0.03228	0.0000406
5479004175460	547900	4175460	8.481724	8.481724	14.49104	14.49104	FALSE	19.9164868	8.481724	FALSE	362.35	280	0.03228	0.0000406
5479204175460	547920	4175460	8.43037	8.43037	13.56432	13.56432	FALSE	18.6428028	8.43037	FALSE	345.15	280	0.03228	0.0000406
5479404175460	547940	4175460	8.412073	8.412073	13.2874	13.2874	FALSE	18.2622067	8.412073	FALSE	328.27	280	0.03228	0.0000406
5479604175460	547960	4175460	8.407755	8.407755	13.33614	13.33614	FALSE	18.3291936	8.407755	FALSE	311.76	280	0.03228	0.0000406
5479804175460	547980	4175460	8.407418	8.407418	13.47984	13.47984	FALSE	18.5266907	8.407418	FALSE	295.68	280	0.03228	0.0000406
5480004175460	548000	4175460	8.403675	8.403675	13.50026	13.50026	FALSE	18.5547532	8.403675	FALSE	280.11	280	0.03228	0.0000406
5480204175460	548020	4175460	8.404917	8.404917	13.68856	13.68856	FALSE	18.8135514	8.404917	FALSE	265.13	260	0.04035	0.00005075
5480404175460	548040	4175460	8.407026	8.407026	13.94749	13.94749	FALSE	19.1694303	8.407026	FALSE	250.86	240	0.04842	0.0000609
5480604175460	548060	4175460	8.407178	8.407178	14.18037	14.18037	FALSE	19.4894992	8.407178	FALSE	237.41	220	0.05649	0.00007105
5480804175460	548080	4175460	8.409726	8.409726	14.57051	14.57051	FALSE	20.0257048	8.409726	FALSE	224.94	220	0.05649	0.00007105
5481004175460	548100	4175460	8.416842	8.416842	15.20433	15.20433	FALSE	20.8968325	8.416842	FALSE	213.61	200	0.06456	0.0000812
5481204175460	548120	4175460	8.42618	8.42618	15.90752	15.90752	FALSE	21.86329	8.42618	FALSE	203.62	200	0.06456	0.0000812
5481404175460	548140	4175460	8.440368	8.440368	16.86799	16.86799	FALSE	23.1833586	8.440368	FALSE	195.18	180	0.07263	0.00009135
5481604175460	548160	4175460	8.460053	8.460053	18.14685	18.14685	FALSE	24.9410334	8.460053	FALSE	188.49	180	0.07263	0.00009135
5481804175460	548180	4175460	8.481888	8.481888	20.03003	20.03003	FALSE	27.5292664	8.481888	FALSE	183.75	180	0.07263	0.00009135
5482004175460	548200	4175460	8.513427	8.513427	22.67811	22.67811	FALSE	31.1687889	8.513427	FALSE	181.10	180	0.07263	0.00009135
5482204175460	548220	4175460	8.587556	8.587556	27.63864	27.63864	FALSE	37.9865454	8.587556	FALSE	180.64	180	0.07263	0.00009135
5482404175460	548240	4175460	8.767608	8.767608	39.41066	39.41066	FALSE	54.166007	8.767608	FALSE	182.38	180	0.07263	0.00009135
5482604175460	548260	4175460	9.190469	9.190469	65.47016	65.47016	FALSE	89.9821893	9.190469	FALSE	186.27	180	0.07263	0.00009135
5482804175460	548280	4175460	8.788418	8.788418	41.45659	41.45659	FALSE	56.9779387	8.788418	FALSE	192.17	180	0.07263	0.00009135
5483004175460	548300	4175460	8.578046	8.578046	29.50078	29.50078	FALSE	40.545872	8.578046	FALSE	199.91	180	0.07263	0.00009135
5483204175460	548320	4175460	8.60979	8.60979	33.91133	33.91133	FALSE	46.6077251	8.60979	FALSE	209.27	200	0.06456	0.0000812
5483404175460	548340	4175460	8.500501	8.500501	26.21854	26.21854	FALSE	36.0347641	8.500501	FALSE	220.07	220	0.05649	0.00007105
5483604175460	548360	4175460	8.392165	8.392165	18.5866	18.5866	FALSE	25.5454189	8.392165	FALSE	232.08	220	0.05649	0.00007105
5483804175460	548380	4175460	8.346189	8.346189	15.50471	15.50471	FALSE	21.3096707	8.346189	FALSE	245.14	240	0.04842	0.0000609
5484004175460	548400	4175460	8.310245	8.310245	13.29026	13.29026	FALSE	18.2661278	8.310245	FALSE	259.09	240	0.04842	0.0000609
5484204175460	548420	4175460	8.311387	8.311387	13.18093	13.18093	FALSE	18.1158647	8.311387	FALSE	273.79	260	0.04035	0.00005075
5484404175460	548440	4175460	8.327633	8.327633	13.87219	13.87219	FALSE	19.0659338	8.327633	FALSE	289.13	280	0.03228	0.0000406
5484604175460	548460	4175460	8.352408	8.352408	14.81409	14.81409	FALSE	20.3604853	8.352408	FALSE	305.01	280	0.03228	0.0000406
5484804175460	548480	4175460	8.377953	8.377953	15.70882	15.70882	FALSE	21.5901995	8.377953	FALSE	321.34	280	0.03228	0.0000406
5485004175460	548500	4175460	8.400113	8.400113	16.25325	16.25325	FALSE	22.3384695	8.400113	FALSE	338.08	280	0.03228	0.0000406
5485204175460	548520	4175460	8.428849	8.428849	16.84686	16.84686	FALSE	23.1543216	8.428849	FALSE	355.15	280	0.03228	0.0000406
5485404175460	548540	4175460	8.459063	8.459063	17.33995	17.33995	FALSE	23.8320245	8.459063	FALSE	372.51	280	0.03228	0.0000406
5485604175460	548560	4175460	8.48923	8.48923	18.02557	18.02557	FALSE	24.7743407	8.48923	FALSE	390.12	280	0.03228	0.0000406
5485804175460	548580	4175460	8.507881	8.507881	18.3985	18.3985	FALSE	25.2868929	8.507881	FALSE	407.96	280	0.03228	0.0000406
5486004175460	548600	4175460	8.50691	8.50691	18.14497	18.14497	FALSE	24.938444	8.50691	FALSE	425.98	280	0.03228	0.0000406
5486204175460	548620	4175460	8.530467	8.530467	18.74052	18.74052	FALSE	25.7569679	8.530467	FALSE	444.18	280	0.03228	0.0000406
5486404175460	548640	4175460	8.589531	8.589531	20.55365	20.55365	FALSE	28.2489297	8.589531	FALSE	462.52	280	0.03228	0.0000406
5486604175460	548660	4175460	8.734148	8.734148	25.28835	25.28835	FALSE	34.7563124	8.734148	FALSE	481.00	280	0.03228	0.0000406
5486804175460	548680	4175460	8.959683	8.959683	32.7918	32.7918	FALSE	45.069054	8.959683	FALSE	499.59	280	0.03228	0.0000406
5487004175460	548700	4175460	9.3362	9.3362	45.82015	45.82015	TRUE	62.9752087	9.3362	TRUE	518.29	280	0.03228	0.0000406
5487204175460	548720	4175460	9.805208	9.805208	59.10078	59.10078	TRUE	81.228112	9.805208	TRUE	537.09	280	0.03228	0.0000406
5487404175460	548740	4175460	9.978331	9.978331	66.5065	66.5065	FALSE	91.4065322	9.978331	FALSE	555.96	280	0.03228	0.0000406
5487604175460	548760	4175460	10.20036	10.20036	72.91161	72.91161	FALSE	100.209711	10.200359	FALSE	574.92	280	0.03228	0.0000406

5487804175460	548780	4175460	10.51196	10.51196	84.04917	84.04917	TRUE	115.517172	10.511963	TRUE	593.94	280	0.03228	0.0000406
5488004175460	548800	4175460	9.783604	9.783604	59.70511	59.70511	TRUE	82.0587087	9.783604	TRUE	613.02	280	0.03228	0.0000406
5488204175460	548820	4175460	9.41563	9.41563	46.70282	46.70282	FALSE	64.1883489	9.41563	FALSE	632.16	280	0.03228	0.0000406
5488404175460	548840	4175460	9.187401	9.187401	38.86217	38.86217	FALSE	53.4121692	9.187401	FALSE	651.35	280	0.03228	0.0000406
5488604175460	548860	4175460	9.044976	9.044976	34.06619	34.06619	FALSE	46.8205688	9.044976	FALSE	670.59	280	0.03228	0.0000406
5488804175460	548880	4175460	8.949769	8.949769	30.91067	30.91067	FALSE	42.4836276	8.949769	FALSE	689.88	280	0.03228	0.0000406
5489004175460	548900	4175460	8.872837	8.872837	28.43017	28.43017	FALSE	39.0744243	8.872837	FALSE	709.20	280	0.03228	0.0000406
5489204175460	548920	4175460	8.814778	8.814778	26.58992	26.58992	FALSE	36.5451902	8.814778	FALSE	728.56	280	0.03228	0.0000406
5489404175460	548940	4175460	8.770291	8.770291	25.19003	25.19003	FALSE	34.62118	8.770291	FALSE	747.95	280	0.03228	0.0000406
5489604175460	548960	4175460	8.736043	8.736043	24.11049	24.11049	FALSE	33.137463	8.736043	FALSE	767.37	280	0.03228	0.0000406
5489804175460	548980	4175460	8.709132	8.709132	23.27727	23.27727	FALSE	31.9922799	8.709132	FALSE	786.83	280	0.03228	0.0000406
5490004175460	549000	4175460	8.68669	8.68669	22.56909	22.56909	FALSE	31.0189573	8.68669	FALSE	806.30	280	0.03228	0.0000406
5490204175460	549020	4175460	8.673815	8.673815	22.22632	22.22632	FALSE	30.5478501	8.673815	FALSE	825.81	280	0.03228	0.0000406
5490404175460	549040	4175460	8.673215	8.673215	22.30314	22.30314	FALSE	30.6534301	8.673215	FALSE	845.34	280	0.03228	0.0000406
5490604175460	549060	4175460	8.689602	8.689602	22.91353	22.91353	FALSE	31.4923584	8.689602	FALSE	864.89	280	0.03228	0.0000406
5490804175460	549080	4175460	8.677741	8.677741	22.58449	22.58449	FALSE	31.0401162	8.677741	FALSE	884.45	280	0.03228	0.0000406
5491004175460	549100	4175460	8.753419	8.753419	24.98059	24.98059	FALSE	34.3333229	8.753419	FALSE	904.04	280	0.03228	0.0000406
5491204175460	549120	4175460	8.667005	8.667005	22.35247	22.35247	FALSE	30.7212361	8.667005	FALSE	923.65	280	0.03228	0.0000406
5469404175480	546940	4175480	8.292242	8.292242	8.721744	8.721744	FALSE	11.987165	8.292242	FALSE	1289.85	280	0.03228	0.0000406
5469604175480	546960	4175480	8.291252	8.291252	8.659121	8.659121	FALSE	11.9010959	8.291252	FALSE	1270.10	280	0.03228	0.0000406
5469804175480	546980	4175480	8.292179	8.292179	8.71654	8.71654	FALSE	11.9800126	8.292179	FALSE	1250.35	280	0.03228	0.0000406
5470004175480	547000	4175480	8.29294	8.29294	8.761142	8.761142	FALSE	12.0413136	8.29294	FALSE	1230.62	280	0.03228	0.0000406
5470204175480	547020	4175480	8.29438	8.29438	8.821414	8.821414	FALSE	12.1241514	8.29438	FALSE	1210.89	280	0.03228	0.0000406
5470404175480	547040	4175480	8.297502	8.297502	8.924455	8.924455	FALSE	12.265771	8.297502	FALSE	1191.17	280	0.03228	0.0000406
5470604175480	547060	4175480	8.300071	8.300071	9.004478	9.004478	FALSE	12.3757546	8.300071	FALSE	1171.46	280	0.03228	0.0000406
5470804175480	547080	4175480	8.303541	8.303541	9.106876	9.106876	FALSE	12.5164904	8.303541	FALSE	1151.76	280	0.03228	0.0000406
5471004175480	547100	4175480	8.30848	8.30848	9.2626	9.2626	FALSE	12.7305174	8.30848	FALSE	1132.07	280	0.03228	0.0000406
5471204175480	547120	4175480	8.3164	8.3164	9.526545	9.526545	FALSE	13.0932834	8.3164	FALSE	1112.39	280	0.03228	0.0000406
5471404175480	547140	4175480	8.326456	8.326456	9.86298	9.86298	FALSE	13.5556797	8.326456	FALSE	1092.73	280	0.03228	0.0000406
5471604175480	547160	4175480	8.341037	8.341037	10.32425	10.32425	FALSE	14.1896478	8.341037	FALSE	1073.07	280	0.03228	0.0000406
5471804175480	547180	4175480	8.374261	8.374261	11.29637	11.29637	FALSE	15.5257364	8.374261	FALSE	1053.43	280	0.03228	0.0000406
5472004175480	547200	4175480	8.419894	8.419894	12.53627	12.53627	FALSE	17.229844	8.419894	FALSE	1033.81	280	0.03228	0.0000406
5472204175480	547220	4175480	8.44611	8.44611	13.53187	13.53187	FALSE	18.598198	8.44611	FALSE	1014.19	280	0.03228	0.0000406
5472404175480	547240	4175480	8.429666	8.429666	13.90123	13.90123	FALSE	19.1058533	8.429666	FALSE	994.60	280	0.03228	0.0000406
5472604175480	547260	4175480	8.445148	8.445148	15.28274	15.28274	FALSE	21.0046034	8.445148	FALSE	975.01	280	0.03228	0.0000406
5472804175480	547280	4175480	8.475258	8.475258	16.77311	16.77311	FALSE	23.0529665	8.475258	FALSE	955.45	280	0.03228	0.0000406
5473004175480	547300	4175480	8.525576	8.525576	19.00028	19.00028	FALSE	26.1139807	8.525576	FALSE	935.91	280	0.03228	0.0000406
5473204175480	547320	4175480	8.603149	8.603149	22.3304	22.3304	FALSE	30.6909045	8.603149	FALSE	916.38	280	0.03228	0.0000406
5473404175480	547340	4175480	8.765375	8.765375	27.3097	27.3097	FALSE	37.5344503	8.765375	FALSE	896.88	280	0.03228	0.0000406
5473604175480	547360	4175480	8.750142	8.750142	27.6369	27.6369	FALSE	37.9841567	8.750142	FALSE	877.39	280	0.03228	0.0000406
5473804175480	547380	4175480	8.978876	8.978876	35.96931	35.96931	FALSE	49.4362169	8.978876	FALSE	857.94	280	0.03228	0.0000406
5474004175480	547400	4175480	8.767961	8.767961	26.74277	26.74277	FALSE	36.7552617	8.767961	FALSE	838.50	280	0.03228	0.0000406
5474204175480	547420	4175480	8.63713	8.63713	21.37142	21.37142	FALSE	29.3728742	8.63713	FALSE	819.10	280	0.03228	0.0000406
5474404175480	547440	4175480	8.579269	8.579269	19.21019	19.21019	FALSE	26.4024865	8.579269	FALSE	799.72	280	0.03228	0.0000406
5474604175480	547460	4175480	8.532941	8.532941	17.46008	17.46008	FALSE	23.9971285	8.532941	FALSE	780.38	280	0.03228	0.0000406
5474804175480	547480	4175480	8.503119	8.503119	16.25536	16.25536	FALSE	22.3413627	8.503119	FALSE	761.06	280	0.03228	0.0000406
5475004175480	547500	4175480	8.476892	8.476892	15.14565	15.14565	FALSE	20.8161869	8.476892	FALSE	741.79	280	0.03228	0.0000406
5475204175480	547520	4175480	8.43709	8.43709	13.69049	13.69049	FALSE	18.8162136	8.43709	FALSE	722.55	280	0.03228	0.0000406
5475404175480	547540	4175480	8.414519	8.414519	12.83146	12.83146	FALSE	17.6355614	8.414519	FALSE	703.36	280	0.03228	0.0000406
5475604175480	547560	4175480	8.402969	8.402969	12.3377	12.3377	FALSE	16.9569363	8.402969	FALSE	684.22	280	0.03228	0.0000406
5475804175480	547580	4175480	8.40165	8.40165	12.24417	12.24417	FALSE	16.8283914	8.40165	FALSE	665.12	280	0.03228	0.0000406
5476004175480	547600	4175480	8.406656	8.406656	12.47514	12.47514	FALSE	17.1458324	8.406656	FALSE	646.08	280	0.03228	0.0000406
5476204175480	547620	4175480	8.426101	8.426101	13.03862	13.03862	FALSE	17.9202793	8.426101	FALSE	627.10	280	0.03228	0.0000406
5476404175480	547640	4175480	8.441877	8.441877	13.30953	13.30953	FALSE	18.2926194	8.441877	FALSE	608.18	280	0.03228	0.0000406
5476604175480	547660	4175480	8.462246	8.462246	13.57755	13.57755	FALSE	18.6609847	8.462246	FALSE	589.34	280	0.03228	0.0000406
5476804175480	547680	4175480	8.426489	8.426489	12.75887	12.75887	FALSE	17.5357937	8.426489	FALSE	570.57	280	0.03228	0.0000406
5477004175480	547700	4175480	8.417267	8.417267	12.52842	12.52842	FALSE	17.2190632	8.417267	FALSE	551.89	280	0.03228	0.0000406
5477204175480	547720	4175480	8.41561	8.41561	12.45552	12.45552	FALSE	17.1188653	8.41561	FALSE	533.31	280	0.03228	0.0000406
5477404175480	547740	4175480	8.412657	8.412657	12.22035	12.22035	FALSE	16.7956449	8.412657	FALSE	514.83	280	0.03228	0.0000406
5477604175480	547760	4175480	8.407043	8.407043	11.92318	11.92318	FALSE	16.3872186	8.407043	FALSE	496.47	280	0.03228	0.0000406
5477804175480	547780	4175480	8.383108	8.383108	11.49279	11.49279	FALSE	15.7956878	8.383108	FALSE	478.25	280	0.03228	0.0000406
5478004175480	547800	4175480	8.377628	8.377628	11.48587	11.48587	FALSE	15.786177	8.377628	FALSE	460.16	280	0.03228	0.0000406
5478204175480	547820	4175480	8.379811	8.379811	11.67417	11.67417	FALSE	16.0449779	8.379811	FALSE	442.25	280	0.03228	0.0000406
5478404175480	547840	4175480	8.392638	8.392638	12.10146	12.10146	FALSE	16.6322452	8.392638	FALSE	424.52	280	0.03228	0.0000406
5478604175480	547860	4175480	8.403577	8.403577	12.43687	12.43687	FALSE	17.0932341	8.403577	FALSE	407.00	280	0.03228	0.0000406
5478804175480	547880	4175480	8.431799	8.431799	13.08555	13.08555	FALSE	17.9847772	8.431799	FALSE	389.72	280	0.03228	0.0000406
5479004175480	547900	4175480	8.457782	8.457782	13.66292	13.66292	FALSE	18.7783131	8.457782	FALSE	372.72	280	0.03228	0.0000406
5479204175480	547920	4175480	8.411782	8.411782	12.8346	12.8346	FALSE	17.6398742	8.411782	FALSE	356.02	280	0.03228	0.0000406
5479404175480	547940	4175480	8.396729	8.396729	12.64971	12.64971	FALSE	17.3857655	8.396729	FALSE	339.68	280	0.03228	0.0000406
5479604175480	547960	4175480	8.392535	8.392535	12.71927	12.71927	FALSE	17.4813633	8.392535	FALSE	323.76	280	0.03228	0.0000406
5479804175480	547980	4175480	8.392364	8.392364	12.86521	12.86521	FALSE	17.6819501	8.392364	FALSE	308.30	280	0.03228	0.0000406
5480004175480	548000	4175480	8.391094	8.391094	13.00195	13.00195	FALSE	17.869876	8.391094	FALSE	293.40	280	0.03228	0.0000406
5480204175480	548020	4175480	8.392315	8.392315	13.20924	13.20924	FALSE	18.1547726	8.392315	FALSE	279.14	260	0.04035	0.00005075
5480404175480	548040	4175480	8.395055	8.395055	13.48903	13.48903	FALSE	18.5393187	8.395055	FALSE	265.61	260	0.04035	0.00005075
5480604175480	548060	4175480	8.395379	8.395379	13.7266	13.7266	FALSE	18.8658349	8.395379	FALSE	252.95	240	0.04842	0.0000609
5480804175480	548080	4175480	8.399281	8.399281	14.16899	14.16899	FALSE	19.4738544	8.399281	FALSE	241.28	240	0.04842	0.0000609
5481004175480	548100	4175480	8.406731	8.406731	14.77913	14.77913	FALSE	20.3124321	8.406731	FALSE	230.76	220	0.05649	0.00007105
5481204175480	548120	4175480	8.416466	8.416466	15.47664	15.47664	FALSE	21.2710899	8.416466	FALSE	221.55	220	0.05649	0.00007105
5481404175480	548140	4175480	8.431085	8.431085	16.44089	16.44089	FALSE	22.596362	8.431085	FALSE	213.82	200	0.06456	0.0000812
5481604175480	548160	4175480	8.451158	8.451158	17.73365	17.73365	FALSE	24.3731217	8.451158	FALSE	207.73	200	0.06456	0.0000812
5481804175480	548180	4175480	8.472992	8.472992	19.62754	19.62754	FALSE	26.976091	8.472992	FALSE	203.43	200	0.06456	0.0000812
5482004175480	548200	4175480	8.504397	8.504397	22.29267	22.29267	FALSE	30.6390402	8.504397	FALSE	201.04	200	0.06456	0.0000812
5482204175480	548220	4175480	8.578366	8.578366	27.28921	27.28921	FALSE	37.506293	8.578366	FALSE	200.63	200	0.06456	0.0000812
5482404175480	548240	4175480	8.76148	8.76148	39.21793	39.21793	FALSE	53.9011271	8.76148	FALSE	202.20	200	0.06456	0.0000812
5482604175480	548260	4175480	8.79321	8.79321	41.58465	41.58465	FALSE	57.1539471	8.79321	FALSE	205.71	200	0.06456	0.0000812
5482804175480	548280	4175480	8.756828	8.756828	39.72463	39.72463	FALSE	54.5975246	8.756828	FALSE	211.07	200	0.06456	0.0000812
5483004175480	548300	4175480	8.536276	8.536276	26.99106	26.99106	FALSE	37.0965142	8.536276	FALSE	218.14	200	0.06456	0.0000812
5483204175480	548320	4175480	8.452461	8.452461	22.45817	22.45817	FALSE	30.866513	8.452461	FALSE	226.75	220	0.05649	0.00007105
5483404175480	548340	4175480	8.388406	8.388406	18.76305	18.76305	FALSE	25.7879332	8.388406	FALSE	236.75	220	0.05649	0.00007105
5483604175480	548360	4175480	8.351717	8.351717	16.37473	16.37473	FALSE	22.505422	8.351717	FALSE	247.96	240	0.04842	0.0000609
5483804175480	548380	4175480	8.321157	8.321157	14.32199	14.32199	FALSE	19.6841403	8.321157	FALSE	260.23	260	0.04035	0.00005075
5484004175480	548400	4175480	8.297685	8.297685	12.87295	12.87295	FALSE	17.6925825	8.297685	FALSE	273.41	260	0.04035	0.00005075
5484204175480	548420	4175480	8.29908	8.29908	12.87325	12.87325	FALSE	17.6929879	8.29908	FALSE	287.37	280	0.03228	0.0000406
5484404175480	548440	4175480	8.312329	8.312329	13.43571	13.43571	FALSE	18.4660343	8.312329	FALSE	302.02	280	0.03228	0.0000406

5484604175480	548460	4175480	8.333867	8.333867	14.25124	14.25124	FALSE	19.5869084	8.333867	FALSE	317.25	280	0.03228	0.0000406
5484804175480	548480	4175480	8.360828	8.360828	15.10675	15.10675	FALSE	20.7627172	8.360828	FALSE	332.99	280	0.03228	0.0000406
5485004175480	548500	4175480	8.401277	8.401277	17.05616	17.05616	FALSE	23.4419877	8.401277	FALSE	349.17	280	0.03228	0.0000406
5485204175480	548520	4175480	8.418843	8.418843	16.7589	16.7589	FALSE	23.033428	8.418843	FALSE	365.72	280	0.03228	0.0000406
5485404175480	548540	4175480	8.431013	8.431013	16.45599	16.45599	FALSE	22.6171113	8.431013	FALSE	382.60	280	0.03228	0.0000406
5485604175480	548560	4175480	8.450513	8.450513	16.70924	16.70924	FALSE	22.9651822	8.450513	FALSE	399.77	280	0.03228	0.0000406
5485804175480	548580	4175480	8.470626	8.470626	17.10071	17.10071	FALSE	23.5032158	8.470626	FALSE	417.19	280	0.03228	0.0000406
5486004175480	548600	4175480	8.475458	8.475458	17.02912	17.02912	FALSE	23.4048253	8.475458	FALSE	434.84	280	0.03228	0.0000406
5486204175480	548620	4175480	8.498384	8.498384	17.59188	17.59188	FALSE	24.1782785	8.498384	FALSE	452.68	280	0.03228	0.0000406
5486404175480	548640	4175480	8.547579	8.547579	19.06672	19.06672	FALSE	26.2053013	8.547579	FALSE	470.69	280	0.03228	0.0000406
5486604175480	548660	4175480	8.66353	8.66353	22.81253	22.81253	FALSE	31.3535344	8.66353	FALSE	488.86	280	0.03228	0.0000406
5486804175480	548680	4175480	8.862174	8.862174	29.29318	29.29318	FALSE	40.2605521	8.862174	FALSE	507.17	280	0.03228	0.0000406
5487004175480	548700	4175480	9.202558	9.202558	40.64158	40.64158	FALSE	55.8577807	9.202558	FALSE	525.59	280	0.03228	0.0000406
5487204175480	548720	4175480	9.656436	9.656436	56.60547	56.60547	TRUE	77.7985593	9.656436	TRUE	544.14	280	0.03228	0.0000406
5487404175480	548740	4175480	10.4656	10.4656	83.19309	83.19309	FALSE	114.340583	10.465597	FALSE	562.78	280	0.03228	0.0000406
5487604175480	548760	4175480	10.86749	10.86749	89.78963	89.78963	FALSE	123.406861	10.86749	FALSE	581.51	280	0.03228	0.0000406
5487804175480	548780	4175480	10.18791	10.18791	75.45905	75.45905	FALSE	103.710921	10.187909	FALSE	600.32	280	0.03228	0.0000406
5488004175480	548800	4175480	10.14576	10.14576	71.81452	71.81452	TRUE	98.7018749	10.145763	TRUE	619.21	280	0.03228	0.0000406
5488204175480	548820	4175480	9.576756	9.576756	51.92128	51.92128	FALSE	71.3606127	9.576756	FALSE	638.16	280	0.03228	0.0000406
5488404175480	548840	4175480	9.290492	9.290492	42.1087	42.1087	FALSE	57.8742	9.290492	FALSE	657.18	280	0.03228	0.0000406
5488604175480	548860	4175480	9.11263	9.11263	36.1167	36.1167	FALSE	49.6387952	9.11263	FALSE	676.25	280	0.03228	0.0000406
5488804175480	548880	4175480	8.995662	8.995662	32.26082	32.26082	FALSE	44.3392765	8.995662	FALSE	695.38	280	0.03228	0.0000406
5489004175480	548900	4175480	8.909867	8.909867	29.47498	29.47498	FALSE	40.5104084	8.909867	FALSE	714.55	280	0.03228	0.0000406
5489204175480	548920	4175480	8.842173	8.842173	27.34658	27.34658	FALSE	37.5851396	8.842173	FALSE	733.77	280	0.03228	0.0000406
5489404175480	548940	4175480	8.790516	8.790516	25.77086	25.77086	FALSE	35.4194755	8.790516	FALSE	753.03	280	0.03228	0.0000406
5489604175480	548960	4175480	8.752937	8.752937	24.56632	24.56632	FALSE	33.7639557	8.752937	FALSE	772.32	280	0.03228	0.0000406
5489804175480	548980	4175480	8.722555	8.722555	23.61423	23.61423	FALSE	32.4553936	8.722555	FALSE	791.65	280	0.03228	0.0000406
5490004175480	549000	4175480	8.697016	8.697016	22.81178	22.81178	FALSE	31.3525077	8.697016	FALSE	811.02	280	0.03228	0.0000406
5490204175480	549020	4175480	8.679767	8.679767	22.33245	22.33245	FALSE	30.6937152	8.679767	FALSE	830.41	280	0.03228	0.0000406
5490404175480	549040	4175480	8.672891	8.672891	22.21171	22.21171	FALSE	30.5277797	8.672891	FALSE	849.83	280	0.03228	0.0000406
5490604175480	549060	4175480	8.676834	8.676834	22.43492	22.43492	FALSE	30.8345595	8.676834	FALSE	869.28	280	0.03228	0.0000406
5490804175480	549080	4175480	8.708529	8.708529	23.48746	23.48746	FALSE	32.2811623	8.708529	FALSE	888.75	280	0.03228	0.0000406
5491004175480	549100	4175480	8.682166	8.682166	22.6767	22.6767	FALSE	31.1668606	8.682166	FALSE	908.25	280	0.03228	0.0000406
5491204175480	549120	4175480	8.712365	8.712365	23.69006	23.69006	FALSE	32.5596116	8.712365	FALSE	927.77	280	0.03228	0.0000406
5469404175500	546940	4175500	8.299085	8.299085	8.912709	8.912709	FALSE	12.2496272	8.299085	FALSE	1293.11	280	0.03228	0.0000406
5469604175500	546960	4175500	8.298471	8.298471	8.871292	8.871292	FALSE	12.1927037	8.298471	FALSE	1273.41	280	0.03228	0.0000406
5469804175500	546980	4175500	8.299775	8.299775	8.944801	8.944801	FALSE	12.2937345	8.299775	FALSE	1253.72	280	0.03228	0.0000406
5470004175500	547000	4175500	8.301218	8.301218	9.025858	9.025858	FALSE	12.4051392	8.301218	FALSE	1234.03	280	0.03228	0.0000406
5470204175500	547020	4175500	8.303679	8.303679	9.140474	9.140474	FALSE	12.5626675	8.303679	FALSE	1214.36	280	0.03228	0.0000406
5470404175500	547040	4175500	8.307861	8.307861	9.289746	9.289746	FALSE	12.7678269	8.307861	FALSE	1194.70	280	0.03228	0.0000406
5470604175500	547060	4175500	8.311731	8.311731	9.423889	9.423889	FALSE	12.952193	8.311731	FALSE	1175.05	280	0.03228	0.0000406
5470804175500	547080	4175500	8.31655	8.31655	9.584167	9.584167	FALSE	13.1724791	8.31655	FALSE	1155.41	280	0.03228	0.0000406
5471004175500	547100	4175500	8.323527	8.323527	9.82021	9.82021	FALSE	13.4968966	8.323527	FALSE	1135.79	280	0.03228	0.0000406
5471204175500	547120	4175500	8.334355	8.334355	10.19085	10.19085	FALSE	14.0063042	8.334355	FALSE	1116.17	280	0.03228	0.0000406
5471404175500	547140	4175500	8.349007	8.349007	10.68935	10.68935	FALSE	14.6914358	8.349007	FALSE	1096.57	280	0.03228	0.0000406
5471604175500	547160	4175500	8.370721	8.370721	11.41075	11.41075	FALSE	15.6829403	8.370721	FALSE	1076.99	280	0.03228	0.0000406
5471804175500	547180	4175500	8.413791	8.413791	12.71987	12.71987	FALSE	17.4821893	8.413791	FALSE	1057.42	280	0.03228	0.0000406
5472004175500	547200	4175500	8.481081	8.481081	14.56899	14.56899	FALSE	20.0236226	8.481081	FALSE	1037.87	280	0.03228	0.0000406
5472204175500	547220	4175500	8.492755	8.492755	15.65931	15.65931	FALSE	21.5221584	8.492755	FALSE	1018.34	280	0.03228	0.0000406
5472404175500	547240	4175500	8.507059	8.507059	17.2611	17.2611	FALSE	23.7236503	8.507059	FALSE	998.82	280	0.03228	0.0000406
5472604175500	547260	4175500	8.557894	8.557894	20.54811	20.54811	FALSE	28.2413279	8.557894	FALSE	979.32	280	0.03228	0.0000406
5472804175500	547280	4175500	8.642493	8.642493	24.16139	24.16139	FALSE	33.2074075	8.642493	FALSE	959.85	280	0.03228	0.0000406
5473004175500	547300	4175500	8.819212	8.819212	32.65939	32.65939	FALSE	44.8870697	8.819212	FALSE	940.39	280	0.03228	0.0000406
5473204175500	547320	4175500	8.832386	8.832386	33.88639	33.88639	FALSE	46.5734572	8.832386	FALSE	920.96	280	0.03228	0.0000406
5473404175500	547340	4175500	9.033965	9.033965	41.71785	41.71785	FALSE	57.3370075	9.033965	FALSE	901.56	280	0.03228	0.0000406
5473604175500	547360	4175500	8.739745	8.739745	27.42869	27.42869	FALSE	37.6979929	8.739745	FALSE	882.18	280	0.03228	0.0000406
5473804175500	547380	4175500	8.611024	8.611024	21.47381	21.47381	FALSE	29.51361	8.611024	FALSE	862.83	280	0.03228	0.0000406
5474004175500	547400	4175500	8.526346	8.526346	17.72213	17.72213	FALSE	24.3572886	8.526346	FALSE	843.51	280	0.03228	0.0000406
5474204175500	547420	4175500	8.479112	8.479112	15.66391	15.66391	FALSE	21.5284752	8.479112	FALSE	824.22	280	0.03228	0.0000406
5474404175500	547440	4175500	8.45909	8.45909	14.80478	14.80478	FALSE	20.3476869	8.45909	FALSE	804.97	280	0.03228	0.0000406
5474604175500	547460	4175500	8.442728	8.442728	14.1052	14.1052	FALSE	19.3861855	8.442728	FALSE	785.75	280	0.03228	0.0000406
5474804175500	547480	4175500	8.428071	8.428071	13.44833	13.44833	FALSE	18.4833861	8.428071	FALSE	766.58	280	0.03228	0.0000406
5475004175500	547500	4175500	8.414649	8.414649	12.73944	12.73944	FALSE	17.5090836	8.414649	FALSE	747.44	280	0.03228	0.0000406
5475204175500	547520	4175500	8.38988	8.38988	11.79535	11.79535	FALSE	16.2115345	8.38988	FALSE	728.36	280	0.03228	0.0000406
5475404175500	547540	4175500	8.374666	8.374666	11.18389	11.18389	FALSE	15.3711315	8.374666	FALSE	709.32	280	0.03228	0.0000406
5475604175500	547560	4175500	8.367706	8.367706	10.83918	10.83918	FALSE	14.8973731	8.367706	FALSE	690.34	280	0.03228	0.0000406
5475804175500	547580	4175500	8.36947	8.36947	10.85083	10.85083	FALSE	14.9133849	8.36947	FALSE	671.42	280	0.03228	0.0000406
5476004175500	547600	4175500	8.381957	8.381957	11.17549	11.17549	FALSE	15.359599	8.381957	FALSE	652.56	280	0.03228	0.0000406
5476204175500	547620	4175500	8.410115	8.410115	11.93271	11.93271	FALSE	16.4003152	8.410115	FALSE	633.78	280	0.03228	0.0000406
5476404175500	547640	4175500	8.423912	8.423912	12.25214	12.25214	FALSE	16.8393357	8.423912	FALSE	615.07	280	0.03228	0.0000406
5476604175500	547660	4175500	8.399895	8.399895	11.75536	11.75536	FALSE	16.1565599	8.399895	FALSE	596.44	280	0.03228	0.0000406
5476804175500	547680	4175500	8.390356	8.390356	11.50294	11.50294	FALSE	15.8096366	8.390356	FALSE	577.90	280	0.03228	0.0000406
5477004175500	547700	4175500	8.390493	8.390493	11.53478	11.53478	FALSE	15.8533948	8.390493	FALSE	559.47	280	0.03228	0.0000406
5477204175500	547720	4175500	8.392727	8.392727	11.57654	11.57654	FALSE	15.9108007	8.392727	FALSE	541.15	280	0.03228	0.0000406
5477404175500	547740	4175500	8.396274	8.396274	11.49055	11.49055	FALSE	15.7926064	8.396274	FALSE	522.95	280	0.03228	0.0000406
5477604175500	547760	4175500	8.382699	8.382699	11.03397	11.03397	FALSE	15.1650815	8.382699	FALSE	504.88	280	0.03228	0.0000406
5477804175500	547780	4175500	8.360956	8.360956	10.61727	10.61727	FALSE	14.592369	8.360956	FALSE	486.97	280	0.03228	0.0000406
5478004175500	547800	4175500	8.355149	8.355149	10.57835	10.57835	FALSE	14.5388897	8.355149	FALSE	469.23	280	0.03228	0.0000406
5478204175500	547820	4175500	8.361563	8.361563	10.91624	10.91624	FALSE	15.003283	8.361563	FALSE	451.67	280	0.03228	0.0000406
5478404175500	547840	4175500	8.376252	8.376252	11.40552	11.40552	FALSE	15.6757439	8.376252	FALSE	434.33	280	0.03228	0.0000406
5478604175500	547860	4175500	8.38827	8.38827	11.76134	11.76134	FALSE	16.1647788	8.38827	FALSE	417.22	280	0.03228	0.0000406
5478804175500	547880	4175500	8.421937	8.421937	12.5683	12.5683	FALSE	17.2738756	8.421937	FALSE	400.38	280	0.03228	0.0000406
5479004175500	547900	4175500	8.441669	8.441669	13.04782	13.04782	FALSE	17.9329183	8.441669	FALSE	383.85	280	0.03228	0.0000406
5479204175500	547920	4175500	8.398751	8.398751	12.29627	12.29627	FALSE	16.899988	8.398751	FALSE	367.66	280	0.03228	0.0000406
5479404175500	547940	4175500	8.384955	8.384955	12.14652	12.14652	FALSE	16.6941716	8.384955	FALSE	351.86	280	0.03228	0.0000406
5479604175500	547960	4175500	8.380164	8.380164	12.20569	12.20569	FALSE	16.7755045	8.380164	FALSE	336.51	280	0.03228	0.0000406
5479804175500	547980	4175500	8.379572	8.379572	12.34471	12.34471	FALSE	16.9665694	8.379572	FALSE	321.67	280	0.03228	0.0000406
5480004175500	548000	4175500	8.378121	8.378121	12.48217	12.48217	FALSE	17.1554876	8.378121	FALSE	307.42	280	0.03228	0.0000406
5480204175500	548020	4175500	8.380527	8.380527	12.749	12.749	FALSE	17.5222283	8.380527	FALSE	293.84	280	0.03228	0.0000406
5480404175500	548040	4175500	8.384336	8.384336	13.07541	13.07541	FALSE	17.9708463	8.384336	FALSE	281.02	280	0.03228	0.0000406
5480604175500	548060	4175500	8.38578	8.38578	13.35159	13.35159	FALSE	18.3504184	8.38578	FALSE	269.08	260	0.04035	0.00005075
5480804175500	548080	4175500	8.390591	8.390591	13.81322	13.81322	FALSE	18.9848868	8.390591	FALSE	258.15	240	0.04842	0.0000609
5481004175500	548100	4175500	8.398457	8.398457	14.42023	14.42023	FALSE	19.8191641	8.398457	FALSE	248.34	240	0.04842	0.0000609
5481204175500	548120	4175500	8.409163	8.409163	15.15445	15.15445	FALSE	20.8282816	8.409163	FALSE	239.80	220	0.05649	0.00007105

5481404175500	548140	4175500	8.424472	8.424472	16.14526	16.14526	FALSE	22.1900412	8.424472	FALSE	232.68	220	0.05649	0.00007105
5481604175500	548160	4175500	8.444932	8.444932	17.45391	17.45391	FALSE	23.9886525	8.444932	FALSE	227.10	220	0.05649	0.00007105
5481804175500	548180	4175500	8.465941	8.465941	19.32284	19.32284	FALSE	26.5573154	8.465941	FALSE	223.17	220	0.05649	0.00007105
5482004175500	548200	4175500	8.496955	8.496955	21.97588	21.97588	FALSE	30.2036467	8.496955	FALSE	221.00	220	0.05649	0.00007105
5482204175500	548220	4175500	8.570468	8.570468	26.9558	26.9558	FALSE	37.048057	8.570468	FALSE	220.62	220	0.05649	0.00007105
5482404175500	548240	4175500	8.756887	8.756887	39.06518	39.06518	FALSE	53.6911875	8.756887	FALSE	222.05	220	0.05649	0.00007105
5482604175500	548260	4175500	8.838777	8.838777	44.47156	44.47156	FALSE	61.1217066	8.838777	FALSE	225.25	220	0.05649	0.00007105
5482804175500	548280	4175500	8.730179	8.730179	38.27822	38.27822	FALSE	52.6095911	8.730179	FALSE	230.16	220	0.05649	0.00007105
5483004175500	548300	4175500	8.51146	8.51146	25.7146	25.7146	FALSE	35.342149	8.51146	FALSE	236.65	220	0.05649	0.00007105
5483204175500	548320	4175500	8.469781	8.469781	24.55309	24.55309	FALSE	33.7457696	8.469781	FALSE	244.62	240	0.04842	0.0000609
5483404175500	548340	4175500	8.509065	8.509065	28.04309	28.04309	FALSE	38.542416	8.509065	FALSE	253.91	240	0.04842	0.0000609
5483604175500	548360	4175500	8.345039	8.345039	16.33577	16.33577	FALSE	22.4518809	8.345039	FALSE	264.40	260	0.04035	0.00005075
5483804175500	548380	4175500	8.310832	8.310832	14.04719	14.04719	FALSE	19.3064566	8.310832	FALSE	275.93	260	0.04035	0.00005075
5484004175500	548400	4175500	8.304645	8.304645	13.81848	13.81848	FALSE	18.9921134	8.304645	FALSE	288.40	280	0.03228	0.0000406
5484204175500	548420	4175500	8.306446	8.306446	13.89912	13.89912	FALSE	19.1029505	8.306446	FALSE	301.67	280	0.03228	0.0000406
5484404175500	548440	4175500	8.316068	8.316068	14.08627	14.08627	FALSE	19.3601667	8.316068	FALSE	315.66	280	0.03228	0.0000406
5484604175500	548460	4175500	8.331311	8.331311	14.46542	14.46542	FALSE	19.8812732	8.331311	FALSE	330.26	280	0.03228	0.0000406
5484804175500	548480	4175500	8.356329	8.356329	15.11389	15.11389	FALSE	20.7725359	8.356329	FALSE	345.41	280	0.03228	0.0000406
5485004175500	548500	4175500	8.385923	8.385923	16.27389	16.27389	FALSE	22.3668303	8.385923	FALSE	361.02	280	0.03228	0.0000406
5485204175500	548520	4175500	8.412484	8.412484	17.02031	17.02031	FALSE	23.3927196	8.412484	FALSE	377.06	280	0.03228	0.0000406
5485404175500	548540	4175500	8.406859	8.406859	15.76703	15.76703	FALSE	21.6702047	8.406859	FALSE	393.45	280	0.03228	0.0000406
5485604175500	548560	4175500	8.418607	8.418607	15.68288	15.68288	FALSE	21.5545475	8.418607	FALSE	410.17	280	0.03228	0.0000406
5485804175500	548580	4175500	8.43872	8.43872	16.03908	16.03908	FALSE	22.0441129	8.43872	FALSE	427.17	280	0.03228	0.0000406
5486004175500	548600	4175500	8.451179	8.451179	16.20751	16.20751	FALSE	22.2756031	8.451179	FALSE	444.42	280	0.03228	0.0000406
5486204175500	548620	4175500	8.477805	8.477805	16.88011	16.88011	FALSE	23.2000232	8.477805	FALSE	461.89	280	0.03228	0.0000406
5486404175500	548640	4175500	8.525637	8.525637	18.29341	18.29341	FALSE	25.1424655	8.525637	FALSE	479.55	280	0.03228	0.0000406
5486604175500	548660	4175500	8.627849	8.627849	21.54949	21.54949	FALSE	29.6176246	8.627849	FALSE	497.40	280	0.03228	0.0000406
5486804175500	548680	4175500	8.800907	8.800907	27.11042	27.11042	FALSE	37.2605585	8.800907	FALSE	515.40	280	0.03228	0.0000406
5487004175500	548700	4175500	9.090543	9.090543	36.50879	36.50879	FALSE	50.1776755	9.090543	FALSE	533.55	280	0.03228	0.0000406
5487204175500	548720	4175500	9.388176	9.388176	46.24206	46.24206	FALSE	63.5550886	9.388176	FALSE	551.82	280	0.03228	0.0000406
5487404175500	548740	4175500	9.884701	9.884701	62.06298	62.06298	TRUE	85.2993652	9.884701	TRUE	570.21	280	0.03228	0.0000406
5487604175500	548760	4175500	10.52949	10.52949	80.63346	80.63346	FALSE	110.822621	10.52949	FALSE	588.70	280	0.03228	0.0000406
5487804175500	548780	4175500	10.77292	10.77292	88.3109	88.3109	FALSE	121.3745	10.77292	FALSE	607.29	280	0.03228	0.0000406
5488004175500	548800	4175500	10.37597	10.37597	74.41351	74.41351	TRUE	102.273925	10.375967	TRUE	625.97	280	0.03228	0.0000406
5488204175500	548820	4175500	9.822131	9.822131	59.65319	59.65319	TRUE	81.9873485	9.822131	TRUE	644.73	280	0.03228	0.0000406
5488404175500	548840	4175500	9.420179	9.420179	46.07158	46.07158	TRUE	63.3207796	9.420179	TRUE	663.55	280	0.03228	0.0000406
5488604175500	548860	4175500	9.195875	9.195875	38.56217	38.56217	FALSE	52.9998437	9.195875	FALSE	682.45	280	0.03228	0.0000406
5488804175500	548880	4175500	9.05185	9.05185	33.85056	33.85056	FALSE	46.5242055	9.05185	FALSE	701.41	280	0.03228	0.0000406
5489004175500	548900	4175500	8.949894	8.949894	30.58371	30.58371	FALSE	42.0342551	8.949894	FALSE	720.42	280	0.03228	0.0000406
5489204175500	548920	4175500	8.871614	8.871614	28.15326	28.15326	FALSE	38.693835	8.871614	FALSE	739.48	280	0.03228	0.0000406
5489404175500	548940	4175500	8.814219	8.814219	26.41883	26.41883	FALSE	36.3100413	8.814219	FALSE	758.60	280	0.03228	0.0000406
5489604175500	548960	4175500	8.772937	8.772937	25.09631	25.09631	FALSE	34.492374	8.772937	FALSE	777.76	280	0.03228	0.0000406
5489804175500	548980	4175500	8.73921	8.73921	24.03713	24.03713	FALSE	33.0366356	8.73921	FALSE	796.96	280	0.03228	0.0000406
5490004175500	549000	4175500	8.710325	8.710325	23.12556	23.12556	FALSE	31.7837655	8.710325	FALSE	816.19	280	0.03228	0.0000406
5490204175500	549020	4175500	8.689338	8.689338	22.53669	22.53669	FALSE	30.9744254	8.689338	FALSE	835.47	280	0.03228	0.0000406
5490404175500	549040	4175500	8.677943	8.677943	22.27967	22.27967	FALSE	30.6211757	8.677943	FALSE	854.77	280	0.03228	0.0000406
5490604175500	549060	4175500	8.674916	8.674916	22.28752	22.28752	FALSE	30.631973	8.674916	FALSE	874.11	280	0.03228	0.0000406
5490804175500	549080	4175500	8.691504	8.691504	22.87772	22.87772	FALSE	31.4431411	8.691504	FALSE	893.48	280	0.03228	0.0000406
5491004175500	549100	4175500	8.735581	8.735581	24.31277	24.31277	FALSE	33.4154752	8.735581	FALSE	912.87	280	0.03228	0.0000406
5491204175500	549120	4175500	8.680542	8.680542	22.64241	22.64241	FALSE	31.1197324	8.680542	FALSE	932.29	280	0.03228	0.0000406
5469404175520	546940	4175520	8.310444	8.310444	9.238884	9.238884	FALSE	12.6979222	8.310444	FALSE	1296.67	280	0.03228	0.0000406
5469604175520	546960	4175520	8.310658	8.310658	9.26299	9.26299	FALSE	12.7310535	8.310658	FALSE	1277.03	280	0.03228	0.0000406
5469804175520	546980	4175520	8.311973	8.311973	9.330465	9.330465	FALSE	12.8237911	8.311973	FALSE	1257.39	280	0.03228	0.0000406
5470004175520	547000	4175520	8.314022	8.314022	9.438853	9.438853	FALSE	12.9727596	8.314022	FALSE	1237.77	280	0.03228	0.0000406
5470204175520	547020	4175520	8.31761	8.31761	9.609564	9.609564	FALSE	13.2073848	8.31761	FALSE	1218.15	280	0.03228	0.0000406
5470404175520	547040	4175520	8.323282	8.323282	9.824707	9.824707	FALSE	13.5030773	8.323282	FALSE	1198.55	280	0.03228	0.0000406
5470604175520	547060	4175520	8.329059	8.329059	10.03881	10.03881	FALSE	13.7973418	8.329059	FALSE	1178.97	280	0.03228	0.0000406
5470804175520	547080	4175520	8.336529	8.336529	10.30852	10.30852	FALSE	14.168023	8.336529	FALSE	1159.39	280	0.03228	0.0000406
5471004175520	547100	4175520	8.346959	8.346959	10.68709	10.68709	FALSE	14.6883406	8.346959	FALSE	1139.84	280	0.03228	0.0000406
5471204175520	547120	4175520	8.362665	8.362665	11.25593	11.25593	FALSE	15.4701433	8.362665	FALSE	1120.30	280	0.03228	0.0000406
5471404175520	547140	4175520	8.384651	8.384651	12.04231	12.04231	FALSE	16.5509467	8.384651	FALSE	1100.77	280	0.03228	0.0000406
5471604175520	547160	4175520	8.418531	8.418531	13.19942	13.19942	FALSE	18.1412787	8.418531	FALSE	1081.26	280	0.03228	0.0000406
5471804175520	547180	4175520	8.475307	8.475307	14.95983	14.95983	FALSE	20.5607945	8.475307	FALSE	1061.77	280	0.03228	0.0000406
5472004175520	547200	4175520	8.561995	8.561995	17.38488	17.38488	FALSE	23.8937804	8.561995	FALSE	1042.30	280	0.03228	0.0000406
5472204175520	547220	4175520	8.602145	8.602145	19.66655	19.66655	FALSE	27.0296994	8.602145	FALSE	1022.85	280	0.03228	0.0000406
5472404175520	547240	4175520	8.677738	8.677738	24.11038	24.11038	FALSE	33.137309	8.677738	FALSE	1003.43	280	0.03228	0.0000406
5472604175520	547260	4175520	8.892232	8.892232	35.42446	35.42446	FALSE	48.6873792	8.892232	FALSE	984.02	280	0.03228	0.0000406
5472804175520	547280	4175520	9.057767	9.057767	43.38261	43.38261	FALSE	59.6250606	9.057767	FALSE	964.64	280	0.03228	0.0000406
5473004175520	547300	4175520	8.916753	8.916753	36.76843	36.76843	FALSE	50.5345261	8.916753	FALSE	945.28	280	0.03228	0.0000406
5473204175520	547320	4175520	8.729972	8.729972	28.86666	28.86666	FALSE	39.6743375	8.729972	FALSE	925.96	280	0.03228	0.0000406
5473404175520	547340	4175520	8.605208	8.605208	22.49418	22.49418	FALSE	30.9160065	8.605208	FALSE	906.66	280	0.03228	0.0000406
5473604175520	547360	4175520	8.528154	8.528154	18.66303	18.66303	FALSE	25.6504616	8.528154	FALSE	887.39	280	0.03228	0.0000406
5473804175520	547380	4175520	8.469925	8.469925	15.79829	15.79829	FALSE	21.7131739	8.469925	FALSE	868.16	280	0.03228	0.0000406
5474004175520	547400	4175520	8.425634	8.425634	13.78598	13.78598	FALSE	18.9474523	8.425634	FALSE	848.96	280	0.03228	0.0000406
5474204175520	547420	4175520	8.398327	8.398327	12.56134	12.56134	FALSE	17.2642988	8.398327	FALSE	829.80	280	0.03228	0.0000406
5474404175520	547440	4175520	8.385792	8.385792	11.98855	11.98855	FALSE	16.477059	8.385792	FALSE	810.68	280	0.03228	0.0000406
5474604175520	547460	4175520	8.381949	8.381949	11.77644	11.77644	FALSE	16.1855433	8.381949	FALSE	791.60	280	0.03228	0.0000406
5474804175520	547480	4175520	8.375489	8.375489	11.43954	11.43954	FALSE	15.722501	8.375489	FALSE	772.57	280	0.03228	0.0000406
5475004175520	547500	4175520	8.368245	8.368245	10.94767	10.94767	FALSE	15.0464763	8.368245	FALSE	753.59	280	0.03228	0.0000406
5475204175520	547520	4175520	8.357617	8.357617	10.46581	10.46581	FALSE	14.3842079	8.357617	FALSE	734.66	280	0.03228	0.0000406
5475404175520	547540	4175520	8.347919	8.347919	10.08498	10.08498	FALSE	13.8607993	8.347919	FALSE	715.79	280	0.03228	0.0000406
5475604175520	547560	4175520	8.346023	8.346023	9.927913	9.927913	FALSE	13.6449236	8.346023	FALSE	696.99	280	0.03228	0.0000406
5475804175520	547580	4175520	8.353229	8.353229	10.06786	10.06786	FALSE	13.8372682	8.353229	FALSE	678.25	280	0.03228	0.0000406
5476004175520	547600	4175520	8.378535	8.378535	10.62363	10.62363	FALSE	14.6011116	8.378535	FALSE	659.59	280	0.03228	0.0000406
5476204175520	547620	4175520	8.382868	8.382868	10.89127	10.89127	FALSE	14.9689601	8.382868	FALSE	641.01	280	0.03228	0.0000406
5476404175520	547640	4175520	8.378767	8.378767	10.88865	10.88865	FALSE	14.9653606	8.378767	FALSE	622.52	280	0.03228	0.0000406
5476604175520	547660	4175520	8.37316	8.37316	10.77372	10.77372	FALSE	14.8074049	8.37316	FALSE	604.12	280	0.03228	0.0000406
5476804175520	547680	4175520	8.373843	8.373843	10.7837	10.7837	FALSE	14.82112	8.373843	FALSE	585.83	280	0.03228	0.0000406
5477004175520	547700	4175520	8.3823	8.3823	10.98096	10.98096	FALSE	15.09223	8.3823	FALSE	567.65	280	0.03228	0.0000406
5477204175520	547720	4175520	8.400497	8.400497	11.31487	11.31487	FALSE	15.5511532	8.400497	FALSE	549.60	280	0.03228	0.0000406
5477404175520	547740	4175520	8.376073	8.376073	10.76336	10.76336	FALSE	14.7931675	8.376073	FALSE	531.69	280	0.03228	0.0000406
5477604175520	547760	4175520	8.36414	8.36414	10.33608	10.33608	FALSE	14.2059056	8.36414	FALSE	513.93	280	0.03228	0.0000406
5477804175520	547780	4175520	8.340661	8.340661	9.862453	9.862453	FALSE	13.5549554	8.340661	FALSE	496.35	280	0.03228	0.0000406
5478004175520	547800	4175520	8.33352	8.33352	9.755599	9.755599	FALSE	13.4080953	8.33352	FALSE	478.95	280	0.03228	0.0000406

5478204175520	547820	4175520	8.343187	8.343187	10.18577	10.18577	FALSE	13.9993223	8.343187	FALSE	461.77	280	0.03228	0.0000406
5478404175520	547840	4175520	8.361357	8.361357	10.79816	10.79816	FALSE	14.8409856	8.361357	FALSE	444.82	280	0.03228	0.0000406
5478604175520	547860	4175520	8.377198	8.377198	11.27171	11.27171	FALSE	15.4918314	8.377198	FALSE	428.13	280	0.03228	0.0000406
5478804175520	547880	4175520	8.414557	8.414557	12.15055	12.15055	FALSE	16.6997159	8.414557	FALSE	411.74	280	0.03228	0.0000406
5479004175520	547900	4175520	8.426399	8.426399	12.49293	12.49293	FALSE	17.1702871	8.426399	FALSE	395.68	280	0.03228	0.0000406
5479204175520	547920	4175520	8.389658	8.389658	11.88515	11.88515	FALSE	16.3349502	8.389658	FALSE	379.99	280	0.03228	0.0000406
5479404175520	547940	4175520	8.375533	8.375533	11.72945	11.72945	FALSE	16.1209533	8.375533	FALSE	364.73	280	0.03228	0.0000406
5479604175520	547960	4175520	8.370019	8.370019	11.77142	11.77142	FALSE	16.178641	8.370019	FALSE	349.94	280	0.03228	0.0000406
5479804175520	547980	4175520	8.369272	8.369272	11.91635	11.91635	FALSE	16.3778301	8.369272	FALSE	335.70	280	0.03228	0.0000406
5480004175520	548000	4175520	8.367269	8.367269	12.04469	12.04469	FALSE	16.5542261	8.367269	FALSE	322.07	280	0.03228	0.0000406
5480204175520	548020	4175520	8.369767	8.369767	12.32037	12.32037	FALSE	16.9331179	8.369767	FALSE	309.13	280	0.03228	0.0000406
5480404175520	548040	4175520	8.374555	8.374555	12.68745	12.68745	FALSE	17.4376272	8.374555	FALSE	296.98	280	0.03228	0.0000406
5480604175520	548060	4175520	8.377903	8.377903	13.02684	13.02684	FALSE	17.9040903	8.377903	FALSE	285.71	280	0.03228	0.0000406
5480804175520	548080	4175520	8.383772	8.383772	13.51037	13.51037	FALSE	18.5686567	8.383772	FALSE	275.43	260	0.04035	0.00005075
5481004175520	548100	4175520	8.391628	8.391628	14.11056	14.11056	FALSE	19.3935523	8.391628	FALSE	266.26	260	0.04035	0.00005075
5481204175520	548120	4175520	8.403187	8.403187	14.88613	14.88613	FALSE	20.4594984	8.403187	FALSE	258.32	240	0.04842	0.0000609
5481404175520	548140	4175520	8.418948	8.418948	15.90072	15.90072	FALSE	21.8539441	8.418948	FALSE	251.72	240	0.04842	0.0000609
5481604175520	548160	4175520	8.439836	8.439836	17.2288	17.2288	FALSE	23.67926	8.439836	FALSE	246.56	240	0.04842	0.0000609
5481804175520	548180	4175520	8.460186	8.460186	19.07695	19.07695	FALSE	26.2193587	8.460186	FALSE	242.96	240	0.04842	0.0000609
5482004175520	548200	4175520	8.490438	8.490438	21.69208	21.69208	FALSE	29.8136002	8.490438	FALSE	240.96	240	0.04842	0.0000609
5482204175520	548220	4175520	8.56281	8.56281	26.58332	26.58332	FALSE	36.536115	8.56281	FALSE	240.61	240	0.04842	0.0000609
5482404175520	548240	4175520	8.750625	8.750625	38.7435	38.7435	FALSE	53.2490623	8.750625	FALSE	241.92	240	0.04842	0.0000609
5482604175520	548260	4175520	9.223729	9.223729	67.84928	67.84928	FALSE	93.2520463	9.223729	FALSE	244.87	240	0.04842	0.0000609
5482804175520	548280	4175520	8.707851	8.707851	37.05285	37.05285	FALSE	50.9254412	8.707851	FALSE	249.39	240	0.04842	0.0000609
5483004175520	548300	4175520	8.496029	8.496029	24.98934	24.98934	FALSE	34.3453461	8.496029	FALSE	255.40	240	0.04842	0.0000609
5483204175520	548320	4175520	8.475938	8.475938	25.42217	25.42217	FALSE	34.9402318	8.475938	FALSE	262.79	260	0.04035	0.00005075
5483404175520	548340	4175520	8.487879	8.487879	26.69433	26.69433	FALSE	36.6886817	8.487879	FALSE	271.47	260	0.04035	0.00005075
5483604175520	548360	4175520	8.321337	8.321337	16.1642	16.1642	FALSE	22.216071	8.321337	FALSE	281.30	280	0.03228	0.0000406
5483804175520	548380	4175520	8.301605	8.301605	17.25051	17.25051	FALSE	23.7090954	8.301605	FALSE	292.16	280	0.03228	0.0000406
5484004175520	548400	4175520	8.332025	8.332025	16.4851	16.4851	FALSE	22.6571214	8.332025	FALSE	303.96	280	0.03228	0.0000406
5484204175520	548420	4175520	8.328815	8.328815	15.67638	15.67638	FALSE	21.545618	8.328815	FALSE	316.59	280	0.03228	0.0000406
5484404175520	548440	4175520	8.333919	8.333919	15.3274	15.3274	FALSE	21.0659717	8.333919	FALSE	329.94	280	0.03228	0.0000406
5484604175520	548460	4175520	8.33925	8.33925	15.02972	15.02972	FALSE	20.6568499	8.33925	FALSE	343.94	280	0.03228	0.0000406
5484804175520	548480	4175520	8.360869	8.360869	15.44828	15.44828	FALSE	21.2321105	8.360869	FALSE	358.51	280	0.03228	0.0000406
5485004175520	548500	4175520	8.383271	8.383271	16.2877	16.2877	FALSE	22.3858163	8.383271	FALSE	373.58	280	0.03228	0.0000406
5485204175520	548520	4175520	8.397484	8.397484	16.60102	16.60102	FALSE	22.8164446	8.397484	FALSE	389.09	280	0.03228	0.0000406
5485404175520	548540	4175520	8.386464	8.386464	15.20705	15.20705	FALSE	20.9005736	8.386464	FALSE	405.00	280	0.03228	0.0000406
5485604175520	548560	4175520	8.392256	8.392256	14.85398	14.85398	FALSE	20.4153156	8.392256	FALSE	421.26	280	0.03228	0.0000406
5485804175520	548580	4175520	8.411703	8.411703	15.1541	15.1541	FALSE	20.8277882	8.411703	FALSE	437.83	280	0.03228	0.0000406
5486004175520	548600	4175520	8.432444	8.432444	15.58007	15.58007	FALSE	21.413251	8.432444	FALSE	454.67	280	0.03228	0.0000406
5486204175520	548620	4175520	8.466328	8.466328	16.48449	16.48449	FALSE	22.6562872	8.466328	FALSE	471.76	280	0.03228	0.0000406
5486404175520	548640	4175520	8.519866	8.519866	18.07474	18.07474	FALSE	24.8419158	8.519866	FALSE	489.07	280	0.03228	0.0000406
5486604175520	548660	4175520	8.618273	8.618273	21.17084	21.17084	FALSE	29.0971984	8.618273	FALSE	506.58	280	0.03228	0.0000406
5486804175520	548680	4175520	8.766882	8.766882	25.88683	25.88683	FALSE	35.5788523	8.766882	FALSE	524.27	280	0.03228	0.0000406
5487004175520	548700	4175520	8.991235	8.991235	33.06222	33.06222	FALSE	45.4407083	8.991235	FALSE	542.12	280	0.03228	0.0000406
5487204175520	548720	4175520	9.225084	9.225084	40.65989	40.65989	FALSE	55.8829542	9.225084	FALSE	560.11	280	0.03228	0.0000406
5487404175520	548740	4175520	9.608985	9.608985	53.90236	53.90236	TRUE	74.0834036	9.608985	TRUE	578.24	280	0.03228	0.0000406
5487604175520	548760	4175520	10.35681	10.35681	78.95688	78.95688	FALSE	108.518337	10.356808	FALSE	596.48	280	0.03228	0.0000406
5487804175520	548780	4175520	10.74274	10.74274	87.20534	87.20534	FALSE	119.855025	10.742739	FALSE	614.84	280	0.03228	0.0000406
5488004175520	548800	4175520	10.6373	10.6373	81.42141	81.42141	FALSE	111.90559	10.637303	FALSE	633.29	280	0.03228	0.0000406
5488204175520	548820	4175520	10.15647	10.15647	70.27395	70.27395	TRUE	96.5845169	10.156468	TRUE	651.84	280	0.03228	0.0000406
5488404175520	548840	4175520	9.596439	9.596439	51.19343	51.19343	TRUE	70.3602461	9.596439	TRUE	670.47	280	0.03228	0.0000406
5488604175520	548860	4175520	9.302792	9.302792	41.53598	41.53598	FALSE	57.0870495	9.302792	FALSE	689.17	280	0.03228	0.0000406
5488804175520	548880	4175520	9.123636	9.123636	35.77875	35.77875	FALSE	49.1743154	9.123636	FALSE	707.95	280	0.03228	0.0000406
5489004175520	548900	4175520	8.992661	8.992661	31.72154	31.72154	FALSE	43.5980777	8.992661	FALSE	726.79	280	0.03228	0.0000406
5489204175520	548920	4175520	8.904965	8.904965	29.04349	29.04349	FALSE	39.9173672	8.904965	FALSE	745.69	280	0.03228	0.0000406
5489404175520	548940	4175520	8.843611	8.843611	27.18183	27.18183	FALSE	37.3587058	8.843611	FALSE	764.65	280	0.03228	0.0000406
5489604175520	548960	4175520	8.797956	8.797956	25.74226	25.74226	FALSE	35.3801635	8.797956	FALSE	783.66	280	0.03228	0.0000406
5489804175520	548980	4175520	8.760603	8.760603	24.57592	24.57592	FALSE	33.7771431	8.760603	FALSE	802.72	280	0.03228	0.0000406
5490004175520	549000	4175520	8.727996	8.727996	23.53799	23.53799	FALSE	32.350608	8.727996	FALSE	821.82	280	0.03228	0.0000406
5490204175520	549020	4175520	8.703356	8.703356	22.848	22.848	FALSE	31.4022953	8.703356	FALSE	840.97	280	0.03228	0.0000406
5490404175520	549040	4175520	8.688086	8.688086	22.47534	22.47534	FALSE	30.8901073	8.688086	FALSE	860.15	280	0.03228	0.0000406
5490604175520	549060	4175520	8.680278	8.680278	22.34318	22.34318	FALSE	30.7084611	8.680278	FALSE	879.37	280	0.03228	0.0000406
5490804175520	549080	4175520	8.68962	8.68962	22.73038	22.73038	FALSE	31.240637	8.68962	FALSE	898.62	280	0.03228	0.0000406
5491004175520	549100	4175520	8.712184	8.712184	23.49527	23.49527	FALSE	32.2919005	8.712184	FALSE	917.91	280	0.03228	0.0000406
5491204175520	549120	4175520	8.765231	8.765231	25.26432	25.26432	FALSE	34.7232787	8.765231	FALSE	937.23	280	0.03228	0.0000406
5469404175540	546940	4175540	8.322188	8.322188	9.586576	9.586576	FALSE	13.1757901	8.322188	FALSE	1300.53	280	0.03228	0.0000406
5469604175540	546960	4175540	8.322318	8.322318	9.63115	9.63115	FALSE	13.2370526	8.322318	FALSE	1280.94	280	0.03228	0.0000406
5469804175540	546980	4175540	8.324064	8.324064	9.734474	9.734474	FALSE	13.3790611	8.324064	FALSE	1261.37	280	0.03228	0.0000406
5470004175540	547000	4175540	8.326934	8.326934	9.881096	9.881096	FALSE	13.5805783	8.326934	FALSE	1241.81	280	0.03228	0.0000406
5470204175540	547020	4175540	8.331895	8.331895	10.10132	10.10132	FALSE	13.8832473	8.331895	FALSE	1222.26	280	0.03228	0.0000406
5470404175540	547040	4175540	8.3402	8.3402	10.39447	10.39447	FALSE	14.2861651	8.3402	FALSE	1202.73	280	0.03228	0.0000406
5470604175540	547060	4175540	8.34997	8.34997	10.76382	10.76382	FALSE	14.7937956	8.34997	FALSE	1183.21	280	0.03228	0.0000406
5470804175540	547080	4175540	8.362157	8.362157	11.24402	11.24402	FALSE	15.4537852	8.362157	FALSE	1163.71	280	0.03228	0.0000406
5471004175540	547100	4175540	8.378484	8.378484	11.88518	11.88518	FALSE	16.3349969	8.378484	FALSE	1144.23	280	0.03228	0.0000406
5471204175540	547120	4175540	8.403334	8.403334	12.84453	12.84453	FALSE	17.6535275	8.403334	FALSE	1124.76	280	0.03228	0.0000406
5471404175540	547140	4175540	8.440541	8.440541	14.25259	14.25259	FALSE	19.5887624	8.440541	FALSE	1105.31	280	0.03228	0.0000406
5471604175540	547160	4175540	8.497454	8.497454	16.29189	16.29189	FALSE	22.3915681	8.497454	FALSE	1085.89	280	0.03228	0.0000406
5471804175540	547180	4175540	8.58747	8.58747	19.22461	19.22461	FALSE	26.4223012	8.58747	FALSE	1066.48	280	0.03228	0.0000406
5472004175540	547200	4175540	8.709746	8.709746	23.09367	23.09367	FALSE	31.7399455	8.709746	FALSE	1047.10	280	0.03228	0.0000406
5472204175540	547220	4175540	8.898425	8.898425	29.72489	29.72489	FALSE	40.8538888	8.898425	FALSE	1027.74	280	0.03228	0.0000406
5472404175540	547240	4175540	9.028464	9.028464	37.63196	37.63196	FALSE	51.7213672	9.028464	FALSE	1008.41	280	0.03228	0.0000406
5472604175540	547260	4175540	8.999272	8.999272	38.72022	38.72022	FALSE	53.2170717	8.999272	FALSE	989.10	280	0.03228	0.0000406
5472804175540	547280	4175540	8.725993	8.725993	27.4544	27.4544	FALSE	37.7333219	8.725993	FALSE	969.82	280	0.03228	0.0000406
5473004175540	547300	4175540	8.602627	8.602627	22.18928	22.18928	FALSE	30.4969409	8.602627	FALSE	950.57	280	0.03228	0.0000406
5473204175540	547320	4175540	8.528524	8.528524	18.89805	18.89805	FALSE	25.9734758	8.528524	FALSE	931.35	280	0.03228	0.0000406
5473404175540	547340	4175540	8.467391	8.467391	16.04685	16.04685	FALSE	22.0547865	8.467391	FALSE	912.17	280	0.03228	0.0000406
5473604175540	547360	4175540	8.420381	8.420381	13.89582	13.89582	FALSE	19.0984081	8.420381	FALSE	893.02	280	0.03228	0.0000406
5473804175540	547380	4175540	8.387703	8.387703	12.30284	12.30284	FALSE	16.9090247	8.387703	FALSE	873.91	280	0.03228	0.0000406
5474004175540	547400	4175540	8.363343	8.363343	11.19516	11.19516	FALSE	15.3866279	8.363343	FALSE	854.84	280	0.03228	0.0000406
5474204175540	547420	4175540	8.346794	8.346794	10.44736	10.44736	FALSE	14.3588571	8.346794	FALSE	835.81	280	0.03228	0.0000406
5474404175540	547440	4175540	8.337333	8.337333	10.01595	10.01595	FALSE	13.7659189	8.337333	FALSE	816.83	280	0.03228	0.0000406
5474604175540	547460	4175540	8.338704	8.338704	10.04088	10.04088	FALSE	13.80018	8.338704	FALSE	797.90	280	0.03228	0.0000406
5474804175540	547480	4175540	8.337883	8.337883	9.950237	9.950237	FALSE	13.6756057	8.337883	FALSE	779.03	280	0.03228	0.0000406

5475004175540	547500	4175540	8.335036	8.335036	9.664978	9.664978	FALSE	13.2835458	8.335036	FALSE	760.21	280	0.03228	0.0000406
5475204175540	547520	4175540	8.331339	8.331339	9.371061	9.371061	FALSE	12.8795862	8.331339	FALSE	741.45	280	0.03228	0.0000406
5475404175540	547540	4175540	8.322726	8.322726	9.038042	9.038042	FALSE	12.4218849	8.322726	FALSE	722.76	280	0.03228	0.0000406
5475604175540	547560	4175540	8.322198	8.322198	8.923015	8.923015	FALSE	12.2637918	8.322198	FALSE	704.14	280	0.03228	0.0000406
5475804175540	547580	4175540	8.337329	8.337329	9.282866	9.282866	FALSE	12.758371	8.337329	FALSE	685.60	280	0.03228	0.0000406
5476004175540	547600	4175540	8.343629	8.343629	9.481677	9.481677	FALSE	13.0316169	8.343629	FALSE	667.15	280	0.03228	0.0000406
5476204175540	547620	4175540	8.361211	8.361211	9.957591	9.957591	FALSE	13.6857131	8.361211	FALSE	648.78	280	0.03228	0.0000406
5476404175540	547640	4175540	8.354778	8.354778	9.962066	9.962066	FALSE	13.6918635	8.354778	FALSE	630.52	280	0.03228	0.0000406
5476604175540	547660	4175540	8.355979	8.355979	10.02625	10.02625	FALSE	13.780078	8.355979	FALSE	612.36	280	0.03228	0.0000406
5476804175540	547680	4175540	8.36984	8.36984	10.32447	10.32447	FALSE	14.1899543	8.36984	FALSE	594.32	280	0.03228	0.0000406
5477004175540	547700	4175540	8.394753	8.394753	10.83074	10.83074	FALSE	14.8857636	8.394753	FALSE	576.41	280	0.03228	0.0000406
5477204175540	547720	4175540	8.366586	8.366586	10.32233	10.32233	FALSE	14.1870104	8.366586	FALSE	558.64	280	0.03228	0.0000406
5477404175540	547740	4175540	8.35106	8.35106	9.965901	9.965901	FALSE	13.6971343	8.35106	FALSE	541.03	280	0.03228	0.0000406
5477604175540	547760	4175540	8.332827	8.332827	9.45536	9.45536	FALSE	12.9954468	8.332827	FALSE	523.59	280	0.03228	0.0000406
5477804175540	547780	4175540	8.322467	8.322467	9.252802	9.252802	FALSE	12.7170511	8.322467	FALSE	506.34	280	0.03228	0.0000406
5478004175540	547800	4175540	8.318681	8.318681	9.22064	9.22064	FALSE	12.6728476	8.318681	FALSE	489.30	280	0.03228	0.0000406
5478204175540	547820	4175540	8.326369	8.326369	9.552265	9.552265	FALSE	13.128633	8.326369	FALSE	472.49	280	0.03228	0.0000406
5478404175540	547840	4175540	8.345717	8.345717	10.193	10.193	FALSE	14.0092592	8.345717	FALSE	455.94	280	0.03228	0.0000406
5478604175540	547860	4175540	8.367002	8.367002	10.85482	10.85482	FALSE	14.9188577	8.367002	FALSE	439.68	280	0.03228	0.0000406
5478804175540	547880	4175540	8.407758	8.407758	11.77771	11.77771	FALSE	16.1872778	8.407758	FALSE	423.73	280	0.03228	0.0000406
5479004175540	547900	4175540	8.421511	8.421511	12.15929	12.15929	FALSE	16.7117337	8.421511	FALSE	408.15	280	0.03228	0.0000406
5479204175540	547920	4175540	8.379633	8.379633	11.45827	11.45827	FALSE	15.7482518	8.379633	FALSE	392.96	280	0.03228	0.0000406
5479404175540	547940	4175540	8.366378	8.366378	11.33991	11.33991	FALSE	15.5855668	8.366378	FALSE	378.22	280	0.03228	0.0000406
5479604175540	547960	4175540	8.360914	8.360914	11.3926	11.3926	FALSE	15.6579839	8.360914	FALSE	363.98	280	0.03228	0.0000406
5479804175540	547980	4175540	8.360182	8.360182	11.54954	11.54954	FALSE	15.8736878	8.360182	FALSE	350.31	280	0.03228	0.0000406
5480004175540	548000	4175540	8.35843	8.35843	11.6943	11.6943	FALSE	16.0726404	8.35843	FALSE	337.27	280	0.03228	0.0000406
5480204175540	548020	4175540	8.360783	8.360783	11.96301	11.96301	FALSE	16.4419623	8.360783	FALSE	324.93	280	0.03228	0.0000406
5480404175540	548040	4175540	8.365716	8.365716	12.3382	12.3382	FALSE	16.9576235	8.365716	FALSE	313.39	280	0.03228	0.0000406
5480604175540	548060	4175540	8.369985	8.369985	12.71473	12.71473	FALSE	17.4751263	8.369985	FALSE	302.74	280	0.03228	0.0000406
5480804175540	548080	4175540	8.37657	8.37657	13.22336	13.22336	FALSE	18.1741805	8.37657	FALSE	293.06	280	0.03228	0.0000406
5481004175540	548100	4175540	8.385653	8.385653	13.86499	13.86499	FALSE	19.0560395	8.385653	FALSE	284.46	280	0.03228	0.0000406
5481204175540	548120	4175540	8.397439	8.397439	14.65549	14.65549	FALSE	20.1424986	8.397439	FALSE	277.04	260	0.04035	0.00005075
5481404175540	548140	4175540	8.4134	8.4134	15.69134	15.69134	FALSE	21.5661708	8.4134	FALSE	270.89	260	0.04035	0.00005075
5481604175540	548160	4175540	8.433722	8.433722	17.02192	17.02192	FALSE	23.3949214	8.433722	FALSE	266.11	260	0.04035	0.00005075
5481804175540	548180	4175540	8.454591	8.454591	18.90163	18.90163	FALSE	25.9784016	8.454591	FALSE	262.77	260	0.04035	0.00005075
5482004175540	548200	4175540	8.485259	8.485259	21.52211	21.52211	FALSE	29.5799852	8.485259	FALSE	260.93	260	0.04035	0.00005075
5482204175540	548220	4175540	8.556876	8.556876	26.30686	26.30686	FALSE	36.1561539	8.556876	FALSE	260.61	260	0.04035	0.00005075
5482404175540	548240	4175540	8.744713	8.744713	38.45759	38.45759	FALSE	52.8561117	8.744713	FALSE	261.82	260	0.04035	0.00005075
5482604175540	548260	4175540	8.80967	8.80967	42.86383	42.86383	FALSE	58.9120466	8.80967	FALSE	264.54	260	0.04035	0.00005075
5482804175540	548280	4175540	8.731916	8.731916	38.59462	38.59462	FALSE	53.044443	8.731916	FALSE	268.73	260	0.04035	0.00005075
5483004175540	548300	4175540	8.509928	8.509928	25.92712	25.92712	FALSE	35.6342324	8.509928	FALSE	274.32	260	0.04035	0.00005075
5483204175540	548320	4175540	8.4855	8.4855	26.15909	26.15909	FALSE	35.9530574	8.4855	FALSE	281.22	280	0.03228	0.0000406
5483404175540	548340	4175540	8.478076	8.478076	26.39363	26.39363	FALSE	36.2754009	8.478076	FALSE	289.34	280	0.03228	0.0000406
5483604175540	548360	4175540	8.318751	8.318751	15.96204	15.96204	FALSE	21.9382209	8.318751	FALSE	298.58	280	0.03228	0.0000406
5483804175540	548380	4175540	8.292335	8.292335	14.46263	14.46263	FALSE	19.8774442	8.292335	FALSE	308.84	280	0.03228	0.0000406
5484004175540	548400	4175540	8.323566	8.323566	15.79394	15.79394	FALSE	21.707187	8.323566	FALSE	320.02	280	0.03228	0.0000406
5484204175540	548420	4175540	8.338822	8.338822	16.16281	16.16281	FALSE	22.2141716	8.338822	FALSE	332.04	280	0.03228	0.0000406
5484404175540	548440	4175540	8.35236	8.35236	16.21871	16.21871	FALSE	22.2909923	8.35236	FALSE	344.79	280	0.03228	0.0000406
5484604175540	548460	4175540	8.363031	8.363031	16.07553	16.07553	FALSE	22.0942057	8.363031	FALSE	358.21	280	0.03228	0.0000406
5484804175540	548480	4175540	8.370366	8.370366	15.85012	15.85012	FALSE	21.7844077	8.370366	FALSE	372.22	280	0.03228	0.0000406
5485004175540	548500	4175540	8.38639	8.38639	16.49844	16.49844	FALSE	22.6754532	8.38639	FALSE	386.76	280	0.03228	0.0000406
5485204175540	548520	4175540	8.38996	8.38996	16.3114	16.3114	FALSE	22.4183895	8.38996	FALSE	401.76	280	0.03228	0.0000406
5485404175540	548540	4175540	8.376869	8.376869	14.91921	14.91921	FALSE	20.5049636	8.376869	FALSE	417.19	280	0.03228	0.0000406
5485604175540	548560	4175540	8.379201	8.379201	14.4576	14.4576	FALSE	19.8705309	8.379201	FALSE	432.99	280	0.03228	0.0000406
5485804175540	548580	4175540	8.395223	8.395223	14.63252	14.63252	FALSE	20.1109355	8.395223	FALSE	449.13	280	0.03228	0.0000406
5486004175540	548600	4175540	8.424351	8.424351	15.32841	15.32841	FALSE	21.0673695	8.424351	FALSE	465.56	280	0.03228	0.0000406
5486204175540	548620	4175540	8.467191	8.467191	16.53445	16.53445	FALSE	22.7249467	8.467191	FALSE	482.27	280	0.03228	0.0000406
5486404175540	548640	4175540	8.530224	8.530224	18.43385	18.43385	FALSE	25.3354876	8.530224	FALSE	499.21	280	0.03228	0.0000406
5486604175540	548660	4175540	8.631215	8.631215	21.58828	21.58828	FALSE	29.6709348	8.631215	FALSE	516.38	280	0.03228	0.0000406
5486804175540	548680	4175540	8.756819	8.756819	25.50795	25.50795	FALSE	35.058121	8.756819	FALSE	533.74	280	0.03228	0.0000406
5487004175540	548700	4175540	8.911925	8.911925	30.39537	30.39537	FALSE	41.7753965	8.911925	FALSE	551.28	280	0.03228	0.0000406
5487204175540	548720	4175540	9.097346	9.097346	36.29328	36.29328	FALSE	49.8814882	9.097346	FALSE	568.99	280	0.03228	0.0000406
5487404175540	548740	4175540	9.35722	9.35722	44.74185	44.74185	FALSE	61.4932041	9.35722	FALSE	586.84	280	0.03228	0.0000406
5487604175540	548760	4175540	9.80205	9.80205	59.62222	59.62222	TRUE	81.9447737	9.80205	TRUE	604.83	280	0.03228	0.0000406
5487804175540	548780	4175540	9.86204	9.86204	61.52561	61.52561	FALSE	84.5608011	9.86204	FALSE	622.93	280	0.03228	0.0000406
5488004175540	548800	4175540	10.95309	10.95309	92.45703	92.45703	FALSE	127.072945	10.953086	FALSE	641.16	280	0.03228	0.0000406
5488204175540	548820	4175540	10.8489	10.8489	91.55196	91.55196	FALSE	125.829008	10.848895	FALSE	659.48	280	0.03228	0.0000406
5488404175540	548840	4175540	9.845136	9.845136	57.76223	57.76223	TRUE	79.388413	9.845136	TRUE	677.90	280	0.03228	0.0000406
5488604175540	548860	4175540	9.445433	9.445433	45.19391	45.19391	TRUE	62.1145113	9.445433	TRUE	696.41	280	0.03228	0.0000406
5488804175540	548880	4175540	9.218232	9.218232	38.22428	38.22428	FALSE	52.5354463	9.218232	FALSE	714.99	280	0.03228	0.0000406
5489004175540	548900	4175540	9.055543	9.055543	33.3377	33.3377	FALSE	45.819328	9.055543	FALSE	733.65	280	0.03228	0.0000406
5489204175540	548920	4175540	8.951339	8.951339	30.22794	30.22794	FALSE	41.5452752	8.951339	FALSE	752.38	280	0.03228	0.0000406
5489404175540	548940	4175540	8.880465	8.880465	28.11689	28.11689	FALSE	38.6438467	8.880465	FALSE	771.18	280	0.03228	0.0000406
5489604175540	548960	4175540	8.828647	8.828647	26.51697	26.51697	FALSE	36.4449291	8.828647	FALSE	790.03	280	0.03228	0.0000406
5489804175540	548980	4175540	8.786417	8.786417	25.21198	25.21198	FALSE	34.6513467	8.786417	FALSE	808.94	280	0.03228	0.0000406
5490004175540	549000	4175540	8.749357	8.749357	24.02948	24.02948	FALSE	33.0261228	8.749357	FALSE	827.90	280	0.03228	0.0000406
5490204175540	549020	4175540	8.718138	8.718138	23.12891	23.12891	FALSE	31.7883767	8.718138	FALSE	846.90	280	0.03228	0.0000406
5490404175540	549040	4175540	8.697782	8.697782	22.61666	22.61666	FALSE	31.0843348	8.697782	FALSE	865.96	280	0.03228	0.0000406
5490604175540	549060	4175540	8.687405	8.687405	22.44508	22.44508	FALSE	30.8485138	8.687405	FALSE	885.05	280	0.03228	0.0000406
5490804175540	549080	4175540	8.692582	8.692582	22.72391	22.72391	FALSE	31.2317419	8.692582	FALSE	904.18	280	0.03228	0.0000406
5491004175540	549100	4175540	8.702754	8.702754	23.1091	23.1091	FALSE	31.7611512	8.702754	FALSE	923.35	280	0.03228	0.0000406
5491204175540	549120	4175540	8.727331	8.727331	23.95743	23.95743	FALSE	32.9270973	8.727331	FALSE	942.56	280	0.03228	0.0000406
5469404175560	546940	4175560	8.331921	8.331921	9.792797	9.792797	FALSE	13.4592202	8.331921	FALSE	1304.69	280	0.03228	0.0000406
5469604175560	546960	4175560	8.331537	8.331537	9.863815	9.863815	FALSE	13.5568273	8.331537	FALSE	1285.16	280	0.03228	0.0000406
5469804175560	546980	4175560	8.333785	8.333785	10.03286	10.03286	FALSE	13.7891628	8.333785	FALSE	1265.65	280	0.03228	0.0000406
5470004175560	547000	4175560	8.338063	8.338063	10.25552	10.25552	FALSE	14.0951853	8.338063	FALSE	1246.16	280	0.03228	0.0000406
5470204175560	547020	4175560	8.345793	8.345793	10.5815	10.5815	FALSE	14.5432067	8.345793	FALSE	1226.68	280	0.03228	0.0000406
5470404175560	547040	4175560	8.3605	8.3605	11.10673	11.10673	FALSE	15.2650828	8.3605	FALSE	1207.22	280	0.03228	0.0000406
5470604175560	547060	4175560	8.379282	8.379282	11.81632	11.81632	FALSE	16.240353	8.379282	FALSE	1187.77	280	0.03228	0.0000406
5470804175560	547080	4175560	8.401769	8.401769	12.71552	12.71552	FALSE	17.4762148	8.401769	FALSE	1168.35	280	0.03228	0.0000406
5471004175560	547100	4175560	8.430265	8.430265	13.88863	13.88863	FALSE	19.0885276	8.430265	FALSE	1148.94	280	0.03228	0.0000406
5471204175560	547120	4175560	8.477121	8.477121	15.79869	15.79869	FALSE	21.713714	8.477121	FALSE	1129.56	280	0.03228	0.0000406
5471404175560	547140	4175560	8.553867	8.553867	18.90582	18.90582	FALSE	25.9841631	8.553867	FALSE	1110.20	280	0.03228	0.0000406
5471604175560	547160	4175560	8.686077	8.686077	24.16669	24.16669	FALSE	33.214696	8.686077	FALSE	1090.86	280	0.03228	0.0000406

5471804175560	547180	4175560	8.94228	8.94228	33.66023	33.66023	FALSE	46.2626174	8.94228	FALSE	1071.54	280	0.03228	0.0000406
5472004175560	547200	4175560	8.940388	8.940388	33.10399	33.10399	FALSE	45.4981266	8.940388	FALSE	1052.25	280	0.03228	0.0000406
5472204175560	547220	4175560	8.881235	8.881235	31.80302	31.80302	FALSE	43.7100666	8.881235	FALSE	1032.99	280	0.03228	0.0000406
5472404175560	547240	4175560	8.697829	8.697829	24.36652	24.36652	FALSE	33.4893465	8.697829	FALSE	1013.76	280	0.03228	0.0000406
5472604175560	547260	4175560	8.631393	8.631393	21.60366	21.60366	FALSE	29.6920662	8.631393	FALSE	994.55	280	0.03228	0.0000406
5472804175560	547280	4175560	8.542088	8.542088	18.5559	18.5559	FALSE	25.5032317	8.542088	FALSE	975.38	280	0.03228	0.0000406
5473004175560	547300	4175560	8.478798	8.478798	16.16332	16.16332	FALSE	22.2148698	8.478798	FALSE	956.25	280	0.03228	0.0000406
5473204175560	547320	4175560	8.427067	8.427067	14.01253	14.01253	FALSE	19.2588157	8.427067	FALSE	937.14	280	0.03228	0.0000406
5473404175560	547340	4175560	8.389007	8.389007	12.3966	12.3966	FALSE	17.0378843	8.389007	FALSE	918.08	280	0.03228	0.0000406
5473604175560	547360	4175560	8.358137	8.358137	11.0798	11.0798	FALSE	15.2280771	8.358137	FALSE	899.06	280	0.03228	0.0000406
5473804175560	547380	4175560	8.340527	8.340527	10.22222	10.22222	FALSE	14.0494233	8.340527	FALSE	880.08	280	0.03228	0.0000406
5474004175560	547400	4175560	8.325141	8.325141	9.555394	9.555394	FALSE	13.1329335	8.325141	FALSE	861.15	280	0.03228	0.0000406
5474204175560	547420	4175560	8.312487	8.312487	9.004009	9.004009	FALSE	12.37511	8.312487	FALSE	842.26	280	0.03228	0.0000406
5474404175560	547440	4175560	8.303102	8.303102	8.593514	8.593514	FALSE	11.8109256	8.303102	FALSE	823.43	280	0.03228	0.0000406
5474604175560	547460	4175560	8.306984	8.306984	8.739506	8.739506	FALSE	12.011577	8.306984	FALSE	804.66	280	0.03228	0.0000406
5474804175560	547480	4175560	8.308488	8.308488	8.768521	8.768521	FALSE	12.0514553	8.308488	FALSE	785.94	280	0.03228	0.0000406
5475004175560	547500	4175560	8.305683	8.305683	8.55844	8.55844	FALSE	11.7627199	8.305683	FALSE	767.29	280	0.03228	0.0000406
5475204175560	547520	4175560	8.302297	8.302297	8.283284	8.283284	FALSE	11.3845455	8.302297	FALSE	748.71	280	0.03228	0.0000406
5475404175560	547540	4175560	8.298332	8.298332	8.071103	8.071103	FALSE	11.092924	8.298332	FALSE	730.21	280	0.03228	0.0000406
5475604175560	547560	4175560	8.301667	8.301667	8.072362	8.072362	FALSE	11.0946543	8.301667	FALSE	711.79	280	0.03228	0.0000406
5475804175560	547580	4175560	8.32717	8.32717	8.72075	8.72075	FALSE	11.9857988	8.32717	FALSE	693.45	280	0.03228	0.0000406
5476004175560	547600	4175560	8.361979	8.361979	9.442547	9.442547	FALSE	12.9778366	8.361979	FALSE	675.21	280	0.03228	0.0000406
5476204175560	547620	4175560	8.334543	8.334543	9.043342	9.043342	FALSE	12.4291692	8.334543	FALSE	657.07	280	0.03228	0.0000406
5476404175560	547640	4175560	8.332809	8.332809	9.135418	9.135418	FALSE	12.5557185	8.332809	FALSE	639.04	280	0.03228	0.0000406
5476604175560	547660	4175560	8.342273	8.342273	9.376572	9.376572	FALSE	12.8871606	8.342273	FALSE	621.13	280	0.03228	0.0000406
5476804175560	547680	4175560	8.373137	8.373137	10.02187	10.02187	FALSE	13.7740554	8.373137	FALSE	603.36	280	0.03228	0.0000406
5477004175560	547700	4175560	8.343455	8.343455	9.555808	9.555808	FALSE	13.1335025	8.343455	FALSE	585.72	280	0.03228	0.0000406
5477204175560	547720	4175560	8.333133	8.333133	9.386745	9.386745	FALSE	12.9011423	8.333133	FALSE	568.25	280	0.03228	0.0000406
5477404175560	547740	4175560	8.324803	8.324803	9.20096	9.20096	FALSE	12.6457994	8.324803	FALSE	550.94	280	0.03228	0.0000406
5477604175560	547760	4175560	8.312816	8.312816	8.838298	8.838298	FALSE	12.1473568	8.312816	FALSE	533.83	280	0.03228	0.0000406
5477804175560	547780	4175560	8.306492	8.306492	8.71845	8.71845	FALSE	11.9826377	8.306492	FALSE	516.92	280	0.03228	0.0000406
5478004175560	547800	4175560	8.303847	8.303847	8.695461	8.695461	FALSE	11.9510416	8.303847	FALSE	500.24	280	0.03228	0.0000406
5478204175560	547820	4175560	8.31091	8.31091	8.989207	8.989207	FALSE	12.3547661	8.31091	FALSE	483.81	280	0.03228	0.0000406
5478404175560	547840	4175560	8.33055	8.33055	9.635517	9.635517	FALSE	13.2430546	8.33055	FALSE	467.66	280	0.03228	0.0000406
5478604175560	547860	4175560	8.352931	8.352931	10.34883	10.34883	FALSE	14.223432	8.352931	FALSE	451.82	280	0.03228	0.0000406
5478804175560	547880	4175560	8.382156	8.382156	11.03213	11.03213	FALSE	15.162565	8.382156	FALSE	436.32	280	0.03228	0.0000406
5479004175560	547900	4175560	8.416238	8.416238	11.82251	11.82251	FALSE	16.2488632	8.416238	FALSE	421.19	280	0.03228	0.0000406
5479204175560	547920	4175560	8.372873	8.372873	11.10274	11.10274	FALSE	15.2596072	8.372873	FALSE	406.49	280	0.03228	0.0000406
5479404175560	547940	4175560	8.35751	8.35751	10.95896	10.95896	FALSE	15.0619919	8.35751	FALSE	392.26	280	0.03228	0.0000406
5479604175560	547960	4175560	8.352226	8.352226	11.03263	11.03263	FALSE	15.163248	8.352226	FALSE	378.56	280	0.03228	0.0000406
5479804175560	547980	4175560	8.352026	8.352026	11.21359	11.21359	FALSE	15.411954	8.352026	FALSE	365.43	280	0.03228	0.0000406
5480004175560	548000	4175560	8.350732	8.350732	11.37951	11.37951	FALSE	15.6399985	8.350732	FALSE	352.95	280	0.03228	0.0000406
5480204175560	548020	4175560	8.353533	8.353533	11.67003	11.67003	FALSE	16.0392906	8.353533	FALSE	341.18	280	0.03228	0.0000406
5480404175560	548040	4175560	8.358024	8.358024	12.0324	12.0324	FALSE	16.5373306	8.358024	FALSE	330.21	280	0.03228	0.0000406
5480604175560	548060	4175560	8.362732	8.362732	12.42817	12.42817	FALSE	17.081281	8.362732	FALSE	320.11	280	0.03228	0.0000406
5480804175560	548080	4175560	8.369764	8.369764	12.95523	12.95523	FALSE	17.8056709	8.369764	FALSE	310.97	280	0.03228	0.0000406
5481004175560	548100	4175560	8.379179	8.379179	13.609	13.609	FALSE	18.7042137	8.379179	FALSE	302.88	280	0.03228	0.0000406
5481204175560	548120	4175560	8.390743	8.390743	14.40219	14.40219	FALSE	19.7943727	8.390743	FALSE	295.92	280	0.03228	0.0000406
5481404175560	548140	4175560	8.406496	8.406496	15.44617	15.44617	FALSE	21.2292092	8.406496	FALSE	290.18	280	0.03228	0.0000406
5481604175560	548160	4175560	8.426969	8.426969	16.80728	16.80728	FALSE	23.0999229	8.426969	FALSE	285.72	280	0.03228	0.0000406
5481804175560	548180	4175560	8.449171	8.449171	18.75906	18.75906	FALSE	25.7824479	8.449171	FALSE	282.61	280	0.03228	0.0000406
5482004175560	548200	4175560	8.480908	8.480908	21.42421	21.42421	FALSE	29.445437	8.480908	FALSE	280.90	280	0.03228	0.0000406
5482204175560	548220	4175560	8.553084	8.553084	26.19674	26.19674	FALSE	36.0047953	8.553084	FALSE	280.60	280	0.03228	0.0000406
5482404175560	548240	4175560	8.744561	8.744561	38.57226	38.57226	FALSE	53.0137183	8.744561	FALSE	281.73	280	0.03228	0.0000406
5482604175560	548260	4175560	9.216581	9.216581	67.69145	67.69145	FALSE	93.0351344	9.216581	FALSE	284.26	280	0.03228	0.0000406
5482804175560	548280	4175560	8.733687	8.733687	38.83254	38.83254	FALSE	53.3714444	8.733687	FALSE	288.16	280	0.03228	0.0000406
5483004175560	548300	4175560	8.531681	8.531681	27.35469	27.35469	FALSE	37.5962859	8.531681	FALSE	293.38	280	0.03228	0.0000406
5483204175560	548320	4175560	8.475673	8.475673	25.16411	25.16411	FALSE	34.5855459	8.475673	FALSE	299.84	280	0.03228	0.0000406
5483404175560	548340	4175560	8.427196	8.427196	22.58107	22.58107	FALSE	31.0354281	8.427196	FALSE	307.47	280	0.03228	0.0000406
5483604175560	548360	4175560	8.318256	8.318256	15.09842	15.09842	FALSE	20.7512616	8.318256	FALSE	316.18	280	0.03228	0.0000406
5483804175560	548380	4175560	8.293423	8.293423	13.29954	13.29954	FALSE	18.2788878	8.293423	FALSE	325.89	280	0.03228	0.0000406
5484004175560	548400	4175560	8.305048	8.305048	14.18451	14.18451	FALSE	19.495185	8.305048	FALSE	336.51	280	0.03228	0.0000406
5484204175560	548420	4175560	8.340725	8.340725	15.86507	15.86507	FALSE	21.8049467	8.340725	FALSE	347.95	280	0.03228	0.0000406
5484404175560	548440	4175560	8.360295	8.360295	16.3756	16.3756	FALSE	22.5066205	8.360295	FALSE	360.14	280	0.03228	0.0000406
5484604175560	548460	4175560	8.370375	8.370375	16.26321	16.26321	FALSE	22.352149	8.370375	FALSE	373.01	280	0.03228	0.0000406
5484804175560	548480	4175560	8.374394	8.374394	16.00204	16.00204	FALSE	21.9932065	8.374394	FALSE	386.48	280	0.03228	0.0000406
5485004175560	548500	4175560	8.393876	8.393876	17.08835	17.08835	FALSE	23.4862241	8.393876	FALSE	400.50	280	0.03228	0.0000406
5485204175560	548520	4175560	8.381927	8.381927	15.84767	15.84767	FALSE	21.781039	8.381927	FALSE	415.01	280	0.03228	0.0000406
5485404175560	548540	4175560	8.37062	8.37062	14.67547	14.67547	FALSE	20.1699646	8.37062	FALSE	429.97	280	0.03228	0.0000406
5485604175560	548560	4175560	8.372131	8.372131	14.22516	14.22516	FALSE	19.5510572	8.372131	FALSE	445.31	280	0.03228	0.0000406
5485804175560	548580	4175560	8.386977	8.386977	14.37457	14.37457	FALSE	19.7564076	8.386977	FALSE	461.02	280	0.03228	0.0000406
5486004175560	548600	4175560	8.422797	8.422797	15.30235	15.30235	FALSE	21.031543	8.422797	FALSE	477.04	280	0.03228	0.0000406
5486204175560	548620	4175560	8.472825	8.472825	16.76508	16.76508	FALSE	23.0419232	8.472825	FALSE	493.36	280	0.03228	0.0000406
5486404175560	548640	4175560	8.542758	8.542758	18.90088	18.90088	FALSE	25.9773722	8.542758	FALSE	509.94	280	0.03228	0.0000406
5486604175560	548660	4175560	8.631064	8.631064	21.633	21.633	FALSE	29.7323925	8.631064	FALSE	526.75	280	0.03228	0.0000406
5486804175560	548680	4175560	8.730258	8.730258	24.69212	24.69212	FALSE	33.9368552	8.730258	FALSE	543.79	280	0.03228	0.0000406
5487004175560	548700	4175560	8.846765	8.846765	28.27637	28.27637	FALSE	38.8630471	8.846765	FALSE	561.01	280	0.03228	0.0000406
5487204175560	548720	4175560	8.989358	8.989358	32.6914	32.6914	FALSE	44.9310588	8.989358	FALSE	578.42	280	0.03228	0.0000406
5487404175560	548740	4175560	9.164237	9.164237	38.15686	38.15686	FALSE	52.4427939	9.164237	FALSE	595.99	280	0.03228	0.0000406
5487604175560	548760	4175560	9.410192	9.410192	46.07353	46.07353	TRUE	63.3234638	9.410192	TRUE	613.71	280	0.03228	0.0000406
5487804175560	548780	4175560	10.02857	10.02857	67.83764	67.83764	TRUE	93.2360469	10.02857	TRUE	631.56	280	0.03228	0.0000406
5488004175560	548800	4175560	10.12225	10.12225	70.74168	70.74168	FALSE	97.2273705	10.122252	FALSE	649.54	280	0.03228	0.0000406
5488204175560	548820	4175560	10.1182	10.1182	66.90539	66.90539	FALSE	91.9547625	10.118196	FALSE	667.63	280	0.03228	0.0000406
5488404175560	548840	4175560	10.44138	10.44138	72.2601	72.2601	TRUE	99.3142869	10.441382	TRUE	685.83	280	0.03228	0.0000406
5488604175560	548860	4175560	9.657912	9.657912	50.46549	50.46549	TRUE	69.3597708	9.657912	TRUE	704.13	280	0.03228	0.0000406
5488804175560	548880	4175560	9.346935	9.346935	41.45514	41.45514	FALSE	56.9759389	9.346935	FALSE	722.52	280	0.03228	0.0000406
5489004175560	548900	4175560	9.139176	9.139176	35.43765	35.43765	FALSE	48.7055062	9.139176	FALSE	740.99	280	0.03228	0.0000406
5489204175560	548920	4175560	9.012764	9.012764	31.75785	31.75785	FALSE	43.6479904	9.012764	FALSE	759.54	280	0.03228	0.0000406
5489404175560	548940	4175560	8.928334	8.928334	29.2927	29.2927	FALSE	40.2598896	8.928334	FALSE	778.16	280	0.03228	0.0000406
5489604175560	548960	4175560	8.867943	8.867943	27.46357	27.46357	FALSE	37.7459347	8.867943	FALSE	796.85	280	0.03228	0.0000406
5489804175560	548980	4175560	8.818795	8.818795	25.97586	25.97586	FALSE	35.7012165	8.818795	FALSE	815.60	280	0.03228	0.0000406
5490004175560	549000	4175560	8.776598	8.776598	24.67468	24.67468	FALSE	33.9128829	8.776598	FALSE	834.41	280	0.03228	0.0000406
5490204175560	549020	4175560	8.739398	8.739398	23.61819	23.61819	FALSE	32.4608417	8.739398	FALSE	853.27	280	0.03228	0.0000406
5490404175560	549040	4175560	8.713615	8.713615	22.95913	22.95913	FALSE	31.5550241	8.713615	FALSE	872.18	280	0.03228	0.0000406

5490604175560	549060	4175560	8.699525	8.699525	22.69341	22.69341	FALSE	31.1898158	8.699525	FALSE	891.14	280	0.03228	0.0000406
5490804175560	549080	4175560	8.698513	8.698513	22.78268	22.78268	FALSE	31.3125113	8.698513	FALSE	910.15	280	0.03228	0.0000406
5491004175560	549100	4175560	8.701104	8.701104	22.93229	22.93229	FALSE	31.518138	8.701104	FALSE	929.19	280	0.03228	0.0000406
5491204175560	549120	4175560	8.705139	8.705139	23.13684	23.13684	FALSE	31.7992756	8.705139	FALSE	948.28	280	0.03228	0.0000406
5469404175580	546940	4175580	8.355568	8.355568	10.3821	10.3821	FALSE	14.2691527	8.355568	FALSE	1309.13	280	0.03228	0.0000406
5469604175580	546960	4175580	8.353043	8.353043	10.46985	10.46985	FALSE	14.3897618	8.353043	FALSE	1289.67	280	0.03228	0.0000406
5469804175580	546980	4175580	8.354814	8.354814	10.71911	10.71911	FALSE	14.7323379	8.354814	FALSE	1270.23	280	0.03228	0.0000406
5470004175580	547000	4175580	8.361262	8.361262	11.072	11.072	FALSE	15.2173609	8.361262	FALSE	1250.81	280	0.03228	0.0000406
5470204175580	547020	4175580	8.375048	8.375048	11.63462	11.63462	FALSE	15.9906231	8.375048	FALSE	1231.41	280	0.03228	0.0000406
5470404175580	547040	4175580	8.400578	8.400578	12.57717	12.57717	FALSE	17.2860638	8.400578	FALSE	1212.02	280	0.03228	0.0000406
5470604175580	547060	4175580	8.434005	8.434005	13.83821	13.83821	FALSE	19.0192399	8.434005	FALSE	1192.66	280	0.03228	0.0000406
5470804175580	547080	4175580	8.481911	8.481911	15.68612	15.68612	FALSE	21.5590088	8.481911	FALSE	1173.31	280	0.03228	0.0000406
5471004175580	547100	4175580	8.556614	8.556614	18.67197	18.67197	FALSE	25.6627542	8.556614	FALSE	1153.99	280	0.03228	0.0000406
5471204175580	547120	4175580	8.687447	8.687447	24.22208	24.22208	FALSE	33.2908268	8.687447	FALSE	1134.69	280	0.03228	0.0000406
5471404175580	547140	4175580	8.936229	8.936229	34.954	34.954	FALSE	48.0407735	8.936229	FALSE	1115.42	280	0.03228	0.0000406
5471604175580	547160	4175580	8.916095	8.916095	31.82811	31.82811	FALSE	43.7445585	8.916095	FALSE	1096.17	280	0.03228	0.0000406
5471804175580	547180	4175580	8.810136	8.810136	27.03624	27.03624	FALSE	37.1586083	8.810136	FALSE	1076.95	280	0.03228	0.0000406
5472004175580	547200	4175580	8.675687	8.675687	22.6328	22.6328	FALSE	31.1065231	8.675687	FALSE	1057.76	280	0.03228	0.0000406
5472204175580	547220	4175580	8.58125	8.58125	19.32885	19.32885	FALSE	26.5655646	8.58125	FALSE	1038.60	280	0.03228	0.0000406
5472404175580	547240	4175580	8.526507	8.526507	17.23833	17.23833	FALSE	23.6923635	8.526507	FALSE	1019.47	280	0.03228	0.0000406
5472604175580	547260	4175580	8.500586	8.500586	16.16067	16.16067	FALSE	22.2112194	8.500586	FALSE	1000.38	280	0.03228	0.0000406
5472804175580	547280	4175580	8.464967	8.464967	14.64978	14.64978	FALSE	20.1346508	8.464967	FALSE	981.32	280	0.03228	0.0000406
5473004175580	547300	4175580	8.408129	8.408129	12.77595	12.77595	FALSE	17.5592671	8.408129	FALSE	962.30	280	0.03228	0.0000406
5473204175580	547320	4175580	8.369641	8.369641	11.30171	11.30171	FALSE	15.5330702	8.369641	FALSE	943.32	280	0.03228	0.0000406
5473404175580	547340	4175580	8.342627	8.342627	10.23025	10.23025	FALSE	14.0604556	8.342627	FALSE	924.39	280	0.03228	0.0000406
5473604175580	547360	4175580	8.320673	8.320673	9.358203	9.358203	FALSE	12.8619142	8.320673	FALSE	905.50	280	0.03228	0.0000406
5473804175580	547380	4175580	8.311603	8.311603	8.920584	8.920584	FALSE	12.2604506	8.311603	FALSE	886.66	280	0.03228	0.0000406
5474004175580	547400	4175580	8.302407	8.302407	8.551934	8.551934	FALSE	11.7537781	8.302407	FALSE	867.87	280	0.03228	0.0000406
5474204175580	547420	4175580	8.292258	8.292258	8.1298	8.1298	FALSE	11.1735971	8.292258	FALSE	849.13	280	0.03228	0.0000406
5474404175580	547440	4175580	8.282084	8.282084	7.705494	7.705494	FALSE	10.590431	8.282084	FALSE	830.46	280	0.03228	0.0000406
5474604175580	547460	4175580	8.288474	8.288474	7.966872	7.966872	FALSE	10.9496689	8.288474	FALSE	811.85	280	0.03228	0.0000406
5474804175580	547480	4175580	8.291404	8.291404	8.073636	8.073636	FALSE	11.0964053	8.291404	FALSE	793.30	280	0.03228	0.0000406
5475004175580	547500	4175580	8.288039	8.288039	7.880264	7.880264	FALSE	10.8306348	8.288039	FALSE	774.83	280	0.03228	0.0000406
5475204175580	547520	4175580	8.281155	8.281155	7.51683	7.51683	FALSE	10.3311312	8.281155	FALSE	756.43	280	0.03228	0.0000406
5475404175580	547540	4175580	8.280939	8.280939	7.403162	7.403162	FALSE	10.1749059	8.280939	FALSE	738.12	280	0.03228	0.0000406
5475604175580	547560	4175580	8.289658	8.289658	7.566152	7.566152	FALSE	10.3989193	8.289658	FALSE	719.90	280	0.03228	0.0000406
5475804175580	547580	4175580	8.319831	8.319831	8.295245	8.295245	FALSE	11.4009847	8.319831	FALSE	701.78	280	0.03228	0.0000406
5476004175580	547600	4175580	8.338854	8.338854	8.72038	8.72038	FALSE	11.9852903	8.338854	FALSE	683.76	280	0.03228	0.0000406
5476204175580	547620	4175580	8.315366	8.315366	8.389646	8.389646	FALSE	11.5307295	8.315366	FALSE	665.85	280	0.03228	0.0000406
5476404175580	547640	4175580	8.311842	8.311842	8.405677	8.405677	FALSE	11.5527625	8.311842	FALSE	648.07	280	0.03228	0.0000406
5476604175580	547660	4175580	8.313868	8.313868	8.515832	8.515832	FALSE	11.7041595	8.313868	FALSE	630.42	280	0.03228	0.0000406
5476804175580	547680	4175580	8.319868	8.319868	8.758151	8.758151	FALSE	12.0372027	8.319868	FALSE	612.91	280	0.03228	0.0000406
5477004175580	547700	4175580	8.315649	8.315649	8.746547	8.746547	FALSE	12.0212542	8.315649	FALSE	595.56	280	0.03228	0.0000406
5477204175580	547720	4175580	8.311992	8.311992	8.720573	8.720573	FALSE	11.9855555	8.311992	FALSE	578.38	280	0.03228	0.0000406
5477404175580	547740	4175580	8.308414	8.308414	8.670499	8.670499	FALSE	11.9167338	8.308414	FALSE	561.39	280	0.03228	0.0000406
5477604175580	547760	4175580	8.299014	8.299014	8.379647	8.379647	FALSE	11.5169868	8.299014	FALSE	544.60	280	0.03228	0.0000406
5477804175580	547780	4175580	8.293739	8.293739	8.277384	8.277384	FALSE	11.3764366	8.293739	FALSE	528.04	280	0.03228	0.0000406
5478004175580	547800	4175580	8.289924	8.289924	8.201382	8.201382	FALSE	11.2719794	8.289924	FALSE	511.72	280	0.03228	0.0000406
5478204175580	547820	4175580	8.297306	8.297306	8.501237	8.501237	FALSE	11.6841001	8.297306	FALSE	495.67	280	0.03228	0.0000406
5478404175580	547840	4175580	8.316214	8.316214	9.125871	9.125871	FALSE	12.5425971	8.316214	FALSE	479.92	280	0.03228	0.0000406
5478604175580	547860	4175580	8.337281	8.337281	9.800107	9.800107	FALSE	13.4692671	8.337281	FALSE	464.50	280	0.03228	0.0000406
5478804175580	547880	4175580	8.360136	8.360136	10.3662	10.3662	FALSE	14.2473012	8.360136	FALSE	449.44	280	0.03228	0.0000406
5479004175580	547900	4175580	8.362267	8.362267	10.53374	10.53374	FALSE	14.4775695	8.362267	FALSE	434.77	280	0.03228	0.0000406
5479204175580	547920	4175580	8.367718	8.367718	10.79059	10.79059	FALSE	14.8305883	8.367718	FALSE	420.55	280	0.03228	0.0000406
5479404175580	547940	4175580	8.34714	8.34714	10.53894	10.53894	FALSE	14.4847205	8.34714	FALSE	406.81	280	0.03228	0.0000406
5479604175580	547960	4175580	8.342356	8.342356	10.64663	10.64663	FALSE	14.6327228	8.342356	FALSE	393.61	280	0.03228	0.0000406
5479804175580	547980	4175580	8.344436	8.344436	10.9086	10.9086	FALSE	14.9927743	8.344436	FALSE	381.00	280	0.03228	0.0000406
5480004175580	548000	4175580	8.344041	8.344041	11.10693	11.10693	FALSE	15.2653577	8.344041	FALSE	369.04	280	0.03228	0.0000406
5480204175580	548020	4175580	8.346971	8.346971	11.40823	11.40823	FALSE	15.6794713	8.346971	FALSE	357.81	280	0.03228	0.0000406
5480404175580	548040	4175580	8.350882	8.350882	11.75477	11.75477	FALSE	16.1557573	8.350882	FALSE	347.36	280	0.03228	0.0000406
5480604175580	548060	4175580	8.35562	8.35562	12.15507	12.15507	FALSE	16.7059282	8.35562	FALSE	337.78	280	0.03228	0.0000406
5480804175580	548080	4175580	8.362679	8.362679	12.68626	12.68626	FALSE	17.4359957	8.362679	FALSE	329.13	280	0.03228	0.0000406
5481004175580	548100	4175580	8.372156	8.372156	13.34636	13.34636	FALSE	18.3432386	8.372156	FALSE	321.50	280	0.03228	0.0000406
5481204175580	548120	4175580	8.383175	8.383175	14.13447	14.13447	FALSE	19.4264156	8.383175	FALSE	314.95	280	0.03228	0.0000406
5481404175580	548140	4175580	8.398881	8.398881	15.19594	15.19594	FALSE	20.8853054	8.398881	FALSE	309.56	280	0.03228	0.0000406
5481604175580	548160	4175580	8.419813	8.419813	16.59719	16.59719	FALSE	22.8111738	8.419813	FALSE	305.38	280	0.03228	0.0000406
5481804175580	548180	4175580	8.443442	8.443442	18.6217	18.6217	FALSE	25.5936672	8.443442	FALSE	302.48	280	0.03228	0.0000406
5482004175580	548200	4175580	8.476614	8.476614	21.35945	21.35945	FALSE	29.356424	8.476614	FALSE	300.87	280	0.03228	0.0000406
5482204175580	548220	4175580	8.550521	8.550521	26.20134	26.20134	FALSE	36.0111258	8.550521	FALSE	300.60	280	0.03228	0.0000406
5482404175580	548240	4175580	8.753992	8.753992	39.30654	39.30654	FALSE	54.0229086	8.753992	FALSE	301.65	280	0.03228	0.0000406
5482604175580	548260	4175580	8.830133	8.830133	44.40785	44.40785	FALSE	61.0341422	8.830133	FALSE	304.02	280	0.03228	0.0000406
5482804175580	548280	4175580	8.721822	8.721822	38.34502	38.34502	FALSE	52.7013886	8.721822	FALSE	307.67	280	0.03228	0.0000406
5483004175580	548300	4175580	8.56866	8.56866	29.8732	29.8732	FALSE	41.0577233	8.56866	FALSE	312.56	280	0.03228	0.0000406
5483204175580	548320	4175580	8.583011	8.583011	33.12347	33.12347	FALSE	45.524893	8.583011	FALSE	318.63	280	0.03228	0.0000406
5483404175580	548340	4175580	8.422429	8.422429	21.94793	21.94793	FALSE	30.165235	8.422429	FALSE	325.82	280	0.03228	0.0000406
5483604175580	548360	4175580	8.318202	8.318202	14.97974	14.97974	FALSE	20.588156	8.318202	FALSE	334.05	280	0.03228	0.0000406
5483804175580	548380	4175580	8.288398	8.288398	12.88158	12.88158	FALSE	17.7044436	8.288398	FALSE	343.26	280	0.03228	0.0000406
5484004175580	548400	4175580	8.291092	8.291092	13.07492	13.07492	FALSE	17.9701632	8.291092	FALSE	353.35	280	0.03228	0.0000406
5484204175580	548420	4175580	8.341249	8.341249	15.62838	15.62838	FALSE	21.4796468	8.341249	FALSE	364.27	280	0.03228	0.0000406
5484404175580	548440	4175580	8.363379	8.363379	16.34179	16.34179	FALSE	22.4601534	8.363379	FALSE	375.93	280	0.03228	0.0000406
5484604175580	548460	4175580	8.368983	8.368983	16.11709	16.11709	FALSE	22.1513326	8.368983	FALSE	388.28	280	0.03228	0.0000406
5484804175580	548480	4175580	8.374297	8.374297	16.02518	16.02518	FALSE	22.0250129	8.374297	FALSE	401.24	280	0.03228	0.0000406
5485004175580	548500	4175580	8.37199	8.37199	15.35444	15.35444	FALSE	21.1031451	8.37199	FALSE	414.76	280	0.03228	0.0000406
5485204175580	548520	4175580	8.374646	8.374646	15.3435	15.3435	FALSE	21.0881105	8.374646	FALSE	428.79	280	0.03228	0.0000406
5485404175580	548540	4175580	8.366522	8.366522	14.43211	14.43211	FALSE	19.8354947	8.366522	FALSE	443.27	280	0.03228	0.0000406
5485604175580	548560	4175580	8.36908	8.36908	14.07136	14.07136	FALSE	19.3396827	8.36908	FALSE	458.18	280	0.03228	0.0000406
5485804175580	548580	4175580	8.3848	8.3848	14.28786	14.28786	FALSE	19.6372362	8.3848	FALSE	473.45	280	0.03228	0.0000406
5486004175580	548600	4175580	8.426704	8.426704	15.4521	15.4521	FALSE	21.2373649	8.426704	FALSE	489.07	280	0.03228	0.0000406
5486204175580	548620	4175580	8.482442	8.482442	17.14612	17.14612	FALSE	23.5656273	8.482442	FALSE	505.00	280	0.03228	0.0000406
5486404175580	548640	4175580	8.554728	8.554728	19.38308	19.38308	FALSE	26.640101	8.554728	FALSE	521.21	280	0.03228	0.0000406
5486604175580	548660	4175580	8.616762	8.616762	21.28466	21.28466	FALSE	29.2536312	8.616762	FALSE	537.67	280	0.03228	0.0000406
5486804175580	548680	4175580	8.69244	8.69244	23.59249	23.59249	FALSE	32.4255114	8.69244	FALSE	554.37	280	0.03228	0.0000406
5487004175580	548700	4175580	8.792693	8.792693	26.63517	26.63517	FALSE	36.6073818	8.792693	FALSE	571.28	280	0.03228	0.0000406
5487204175580	548720	4175580	8.894105	8.894105	29.69852	29.69852	FALSE	40.817639	8.894105	FALSE	588.38	280	0.03228	0.0000406

5487404175580	548740	4175580	9.003654	9.003654	33.00043	33.00043	FALSE	45.3557924	9.003654	FALSE	605.66	280	0.03228	0.0000406
5487604175580	548760	4175580	9.118319	9.118319	36.56007	36.56007	FALSE	50.2481643	9.118319	FALSE	623.10	280	0.03228	0.0000406
5487804175580	548780	4175580	9.46229	9.46229	47.73031	47.73031	TRUE	65.6005422	9.46229	TRUE	640.70	280	0.03228	0.0000406
5488004175580	548800	4175580	10.07255	10.07255	64.71568	64.71568	FALSE	88.9452292	10.072554	FALSE	658.43	280	0.03228	0.0000406
5488204175580	548820	4175580	10.80253	10.80253	87.05743	87.05743	FALSE	119.651726	10.802528	FALSE	676.28	280	0.03228	0.0000406
5488404175580	548840	4175580	9.971908	9.971908	60.53794	60.53794	FALSE	83.203342	9.971908	FALSE	694.26	280	0.03228	0.0000406
5488604175580	548860	4175580	10.09492	10.09492	61.3981	61.3981	TRUE	84.3855431	10.094923	TRUE	712.34	280	0.03228	0.0000406
5488804175580	548880	4175580	9.509021	9.509021	45.46146	45.46146	TRUE	62.4822251	9.509021	TRUE	730.52	280	0.03228	0.0000406
5489004175580	548900	4175580	9.253673	9.253673	38.24285	38.24285	FALSE	52.5609689	9.253673	FALSE	748.79	280	0.03228	0.0000406
5489204175580	548920	4175580	9.100089	9.100089	33.8727	33.8727	FALSE	46.5546389	9.100089	FALSE	767.15	280	0.03228	0.0000406
5489404175580	548940	4175580	8.995021	8.995021	30.87498	30.87498	FALSE	42.434578	8.995021	FALSE	785.59	280	0.03228	0.0000406
5489604175580	548960	4175580	8.923423	8.923423	28.74403	28.74403	FALSE	39.5057921	8.923423	FALSE	804.11	280	0.03228	0.0000406
5489804175580	548980	4175580	8.862612	8.862612	26.9696	26.9696	FALSE	37.067021	8.862612	FALSE	822.69	280	0.03228	0.0000406
5490004175580	549000	4175580	8.810481	8.810481	25.4683	25.4683	FALSE	35.003637	8.810481	FALSE	841.34	280	0.03228	0.0000406
5490204175580	549020	4175580	8.766123	8.766123	24.26068	24.26068	FALSE	33.3438786	8.766123	FALSE	860.05	280	0.03228	0.0000406
5490404175580	549040	4175580	8.735439	8.735439	23.47948	23.47948	FALSE	32.2701918	8.735439	FALSE	878.82	280	0.03228	0.0000406
5490604175580	549060	4175580	8.715034	8.715034	23.01572	23.01572	FALSE	31.6328111	8.715034	FALSE	897.64	280	0.03228	0.0000406
5490804175580	549080	4175580	8.703582	8.703582	22.74677	22.74677	FALSE	31.2631621	8.703582	FALSE	916.51	280	0.03228	0.0000406
5491004175580	549100	4175580	8.696257	8.696257	22.58199	22.58199	FALSE	31.0366802	8.696257	FALSE	935.43	280	0.03228	0.0000406
5491204175580	549120	4175580	8.687686	8.687686	22.39542	22.39542	FALSE	30.7802707	8.687686	FALSE	954.39	280	0.03228	0.0000406
5469404175600	546940	4175600	8.397149	8.397149	11.34076	11.34076	FALSE	15.5867405	8.397149	FALSE	1313.87	280	0.03228	0.0000406
5469604175600	546960	4175600	8.384863	8.384863	11.34445	11.34445	FALSE	15.5918162	8.384863	FALSE	1294.48	280	0.03228	0.0000406
5469804175600	546980	4175600	8.38537	8.38537	11.67433	11.67433	FALSE	16.0451978	8.38537	FALSE	1275.11	280	0.03228	0.0000406
5470004175600	547000	4175600	8.395521	8.395521	12.27704	12.27704	FALSE	16.8735569	8.395521	FALSE	1255.77	280	0.03228	0.0000406
5470204175600	547020	4175600	8.417684	8.417684	13.24714	13.24714	FALSE	18.2068692	8.417684	FALSE	1236.44	280	0.03228	0.0000406
5470404175600	547040	4175600	8.45962	8.45962	14.85126	14.85126	FALSE	20.4115731	8.45962	FALSE	1217.13	280	0.03228	0.0000406
5470604175600	547060	4175600	8.526755	8.526755	17.36524	17.36524	FALSE	23.8667804	8.526755	FALSE	1197.85	280	0.03228	0.0000406
5470804175600	547080	4175600	8.65059	8.65059	21.97155	21.97155	FALSE	30.1976928	8.65059	FALSE	1178.59	280	0.03228	0.0000406
5471004175600	547100	4175600	8.73016	8.73016	26.12979	26.12979	FALSE	35.9127779	8.73016	FALSE	1159.36	280	0.03228	0.0000406
5471204175600	547120	4175600	8.962864	8.962864	34.87796	34.87796	FALSE	47.9362627	8.962864	FALSE	1140.15	280	0.03228	0.0000406
5471404175600	547140	4175600	8.733811	8.733811	24.62414	24.62414	FALSE	33.843418	8.733811	FALSE	1120.97	280	0.03228	0.0000406
5471604175600	547160	4175600	8.58942	8.58942	19.33719	19.33719	FALSE	26.5770353	8.58942	FALSE	1101.82	280	0.03228	0.0000406
5471804175600	547180	4175600	8.542887	8.542887	17.44281	17.44281	FALSE	23.9733994	8.542887	FALSE	1082.70	280	0.03228	0.0000406
5472004175600	547200	4175600	8.502756	8.502756	15.98069	15.98069	FALSE	21.9638658	8.502756	FALSE	1063.62	280	0.03228	0.0000406
5472204175600	547220	4175600	8.476663	8.476663	14.94403	14.94403	FALSE	20.5390803	8.476663	FALSE	1044.56	280	0.03228	0.0000406
5472404175600	547240	4175600	8.44494	8.44494	13.83839	13.83839	FALSE	19.0194818	8.44494	FALSE	1025.55	280	0.03228	0.0000406
5472604175600	547260	4175600	8.426854	8.426854	13.19082	13.19082	FALSE	18.1294658	8.426854	FALSE	1006.57	280	0.03228	0.0000406
5472804175600	547280	4175600	8.411731	8.411731	12.15837	12.15837	FALSE	16.7104637	8.411731	FALSE	987.63	280	0.03228	0.0000406
5473004175600	547300	4175600	8.364257	8.364257	10.67758	10.67758	FALSE	14.6752687	8.364257	FALSE	968.74	280	0.03228	0.0000406
5473204175600	547320	4175600	8.332478	8.332478	9.582855	9.582855	FALSE	13.1706759	8.332478	FALSE	949.89	280	0.03228	0.0000406
5473404175600	547340	4175600	8.312728	8.312728	8.863408	8.863408	FALSE	12.181868	8.312728	FALSE	931.08	280	0.03228	0.0000406
5473604175600	547360	4175600	8.297339	8.297339	8.298371	8.298371	FALSE	11.4052811	8.297339	FALSE	912.33	280	0.03228	0.0000406
5473804175600	547380	4175600	8.2935	8.2935	8.107219	8.107219	FALSE	11.1425618	8.2935	FALSE	893.63	280	0.03228	0.0000406
5474004175600	547400	4175600	8.283429	8.283429	7.713562	7.713562	FALSE	10.6015196	8.283429	FALSE	874.99	280	0.03228	0.0000406
5474204175600	547420	4175600	8.273723	8.273723	7.326282	7.326282	FALSE	10.069242	8.273723	FALSE	856.42	280	0.03228	0.0000406
5474404175600	547440	4175600	8.265218	8.265218	6.986665	6.986665	FALSE	9.60247238	8.265218	FALSE	837.90	280	0.03228	0.0000406
5474604175600	547460	4175600	8.27114	8.27114	7.234472	7.234472	FALSE	9.94305832	8.27114	FALSE	819.46	280	0.03228	0.0000406
5474804175600	547480	4175600	8.275227	8.275227	7.398082	7.398082	FALSE	10.1679239	8.275227	FALSE	801.09	280	0.03228	0.0000406
5475004175600	547500	4175600	8.274599	8.274599	7.332456	7.332456	FALSE	10.0777275	8.274599	FALSE	782.80	280	0.03228	0.0000406
5475204175600	547520	4175600	8.270874	8.270874	7.10459	7.10459	FALSE	9.7645485	8.270874	FALSE	764.60	280	0.03228	0.0000406
5475404175600	547540	4175600	8.272567	8.272567	7.05992	7.05992	FALSE	9.70315405	8.272567	FALSE	746.49	280	0.03228	0.0000406
5475604175600	547560	4175600	8.282502	8.282502	7.244484	7.244484	FALSE	9.95681881	8.282502	FALSE	728.48	280	0.03228	0.0000406
5475804175600	547580	4175600	8.320082	8.320082	8.072164	8.072164	FALSE	11.0943822	8.320082	FALSE	710.57	280	0.03228	0.0000406
5476004175600	547600	4175600	8.318169	8.318169	8.080742	8.080742	FALSE	11.1061718	8.318169	FALSE	692.78	280	0.03228	0.0000406
5476204175600	547620	4175600	8.300379	8.300379	7.855025	7.855025	FALSE	10.7959464	8.300379	FALSE	675.12	280	0.03228	0.0000406
5476404175600	547640	4175600	8.296661	8.296661	7.867826	7.867826	FALSE	10.8135401	8.296661	FALSE	657.58	280	0.03228	0.0000406
5476604175600	547660	4175600	8.294856	8.294856	7.907577	7.907577	FALSE	10.8681738	8.294856	FALSE	640.19	280	0.03228	0.0000406
5476804175600	547680	4175600	8.297322	8.297322	8.080235	8.080235	FALSE	11.105475	8.297322	FALSE	622.96	280	0.03228	0.0000406
5477004175600	547700	4175600	8.300454	8.300454	8.273906	8.273906	FALSE	11.3716564	8.300454	FALSE	605.90	280	0.03228	0.0000406
5477204175600	547720	4175600	8.299742	8.299742	8.31895	8.31895	FALSE	11.4335649	8.299742	FALSE	589.02	280	0.03228	0.0000406
5477404175600	547740	4175600	8.295774	8.295774	8.231664	8.231664	FALSE	11.313599	8.295774	FALSE	572.35	280	0.03228	0.0000406
5477604175600	547760	4175600	8.286219	8.286219	7.926635	7.926635	FALSE	10.8943671	8.286219	FALSE	555.89	280	0.03228	0.0000406
5477804175600	547780	4175600	8.281083	8.281083	7.821051	7.821051	FALSE	10.7492525	8.281083	FALSE	539.67	280	0.03228	0.0000406
5478004175600	547800	4175600	8.27763	8.27763	7.747056	7.747056	FALSE	10.6475538	8.27763	FALSE	523.72	280	0.03228	0.0000406
5478204175600	547820	4175600	8.285265	8.285265	8.059016	8.059016	FALSE	11.0763116	8.285265	FALSE	508.05	280	0.03228	0.0000406
5478404175600	547840	4175600	8.302654	8.302654	8.640522	8.640522	FALSE	11.8755334	8.302654	FALSE	492.69	280	0.03228	0.0000406
5478604175600	547860	4175600	8.320758	8.320758	9.225167	9.225167	FALSE	12.6790695	8.320758	FALSE	477.68	280	0.03228	0.0000406
5478804175600	547880	4175600	8.343184	8.343184	9.816473	9.816473	FALSE	13.4917605	8.343184	FALSE	463.05	280	0.03228	0.0000406
5479004175600	547900	4175600	8.39888	8.39888	11.04951	11.04951	FALSE	15.1864465	8.39888	FALSE	448.83	280	0.03228	0.0000406
5479204175600	547920	4175600	8.357009	8.357009	10.35824	10.35824	FALSE	14.2363596	8.357009	FALSE	435.06	280	0.03228	0.0000406
5479404175600	547940	4175600	8.335416	8.335416	10.09936	10.09936	FALSE	13.8805576	8.335416	FALSE	421.80	280	0.03228	0.0000406
5479604175600	547960	4175600	8.331179	8.331179	10.23268	10.23268	FALSE	14.0637968	8.331179	FALSE	409.08	280	0.03228	0.0000406
5479804175600	547980	4175600	8.334106	8.334106	10.52512	10.52512	FALSE	14.4657304	8.334106	FALSE	396.96	280	0.03228	0.0000406
5480004175600	548000	4175600	8.335194	8.335194	10.77876	10.77876	FALSE	14.814325	8.335194	FALSE	385.51	280	0.03228	0.0000406
5480204175600	548020	4175600	8.339482	8.339482	11.12833	11.12833	FALSE	15.2947809	8.339482	FALSE	374.76	280	0.03228	0.0000406
5480404175600	548040	4175600	8.344345	8.344345	11.50701	11.50701	FALSE	15.8152373	8.344345	FALSE	364.80	280	0.03228	0.0000406
5480604175600	548060	4175600	8.348586	8.348586	11.90107	11.90107	FALSE	16.3568265	8.348586	FALSE	355.69	280	0.03228	0.0000406
5480804175600	548080	4175600	8.355339	8.355339	12.42835	12.42835	FALSE	17.0815242	8.355339	FALSE	347.49	280	0.03228	0.0000406
5481004175600	548100	4175600	8.364841	8.364841	13.09383	13.09383	FALSE	17.9961613	8.364841	FALSE	340.27	280	0.03228	0.0000406
5481204175600	548120	4175600	8.375828	8.375828	13.88544	13.88544	FALSE	19.0841515	8.375828	FALSE	334.09	280	0.03228	0.0000406
5481404175600	548140	4175600	8.391771	8.391771	14.95483	14.95483	FALSE	20.5539211	8.391771	FALSE	329.01	280	0.03228	0.0000406
5481604175600	548160	4175600	8.41334	8.41334	16.37185	16.37185	FALSE	22.5014748	8.41334	FALSE	325.09	280	0.03228	0.0000406
5481804175600	548180	4175600	8.437523	8.437523	18.44211	18.44211	FALSE	25.3468415	8.437523	FALSE	322.36	280	0.03228	0.0000406
5482004175600	548200	4175600	8.471861	8.471861	21.27659	21.27659	FALSE	29.2425384	8.471861	FALSE	320.85	280	0.03228	0.0000406
5482204175600	548220	4175600	8.549746	8.549746	26.39875	26.39875	FALSE	36.2824365	8.549746	FALSE	320.59	280	0.03228	0.0000406
5482404175600	548240	4175600	8.757596	8.757596	39.70282	39.70282	FALSE	54.5675503	8.757596	FALSE	321.58	280	0.03228	0.0000406
5482604175600	548260	4175600	8.823355	8.823355	44.14989	44.14989	FALSE	60.6796074	8.823355	FALSE	323.80	280	0.03228	0.0000406
5482804175600	548280	4175600	8.759535	8.759535	40.91172	40.91172	FALSE	56.229068	8.759535	FALSE	327.23	280	0.03228	0.0000406
5483004175600	548300	4175600	8.604369	8.604369	32.70637	32.70637	FALSE	44.9516336	8.604369	FALSE	331.83	280	0.03228	0.0000406
5483204175600	548320	4175600	8.474159	8.474159	24.33858	24.33858	FALSE	33.4509389	8.474159	FALSE	337.56	280	0.03228	0.0000406
5483404175600	548340	4175600	8.457206	8.457206	23.99447	23.99447	FALSE	32.9779927	8.457206	FALSE	344.35	280	0.03228	0.0000406
5483604175600	548360	4175600	8.356858	8.356858	17.19585	17.19585	FALSE	23.6339804	8.356858	FALSE	352.16	280	0.03228	0.0000406
5483804175600	548380	4175600	8.321344	8.321344	14.75328	14.75328	FALSE	20.2769025	8.321344	FALSE	360.90	280	0.03228	0.0000406
5484004175600	548400	4175600	8.313971	8.313971	14.20387	14.20387	FALSE	19.5218031	8.313971	FALSE	370.51	280	0.03228	0.0000406

5484204175600	548420	4175600	8.348768	8.348768	15.89441	15.89441	FALSE	21.8452716	8.348768	FALSE	380.94	280	0.03228	0.0000406
5484404175600	548440	4175600	8.364031	8.364031	16.34555	16.34555	FALSE	22.4653294	8.364031	FALSE	392.11	280	0.03228	0.0000406
5484604175600	548460	4175600	8.367952	8.367952	16.15289	16.15289	FALSE	22.2005375	8.367952	FALSE	403.96	280	0.03228	0.0000406
5484804175600	548480	4175600	8.373668	8.373668	16.23791	16.23791	FALSE	22.3173863	8.373668	FALSE	416.43	280	0.03228	0.0000406
5485004175600	548500	4175600	8.383846	8.383846	16.64464	16.64464	FALSE	22.8763918	8.383846	FALSE	429.47	280	0.03228	0.0000406
5485204175600	548520	4175600	8.361435	8.361435	14.72419	14.72419	FALSE	20.2369199	8.361435	FALSE	443.03	280	0.03228	0.0000406
5485404175600	548540	4175600	8.359493	8.359493	14.0926	14.0926	FALSE	19.3688708	8.359493	FALSE	457.07	280	0.03228	0.0000406
5485604175600	548560	4175600	8.365857	8.365857	13.89671	13.89671	FALSE	19.0996341	8.365857	FALSE	471.54	280	0.03228	0.0000406
5485804175600	548580	4175600	8.382174	8.382174	14.17394	14.17394	FALSE	19.4806645	8.382174	FALSE	486.39	280	0.03228	0.0000406
5486004175600	548600	4175600	8.418714	8.418714	15.21655	15.21655	FALSE	20.9136249	8.418714	FALSE	501.61	280	0.03228	0.0000406
5486204175600	548620	4175600	8.465074	8.465074	16.6746	16.6746	FALSE	22.9175689	8.465074	FALSE	517.15	280	0.03228	0.0000406
5486404175600	548640	4175600	8.522397	8.522397	18.5312	18.5312	FALSE	25.4692799	8.522397	FALSE	532.99	280	0.03228	0.0000406
5486604175600	548660	4175600	8.565583	8.565583	19.91209	19.91209	FALSE	27.3671751	8.565583	FALSE	549.10	280	0.03228	0.0000406
5486804175600	548680	4175600	8.628876	8.628876	21.86929	21.86929	FALSE	30.0571549	8.628876	FALSE	565.46	280	0.03228	0.0000406
5487004175600	548700	4175600	8.727069	8.727069	24.89042	24.89042	FALSE	34.2093905	8.727069	FALSE	582.05	280	0.03228	0.0000406
5487204175600	548720	4175600	8.809149	8.809149	27.35059	27.35059	FALSE	37.5906509	8.809149	FALSE	598.84	280	0.03228	0.0000406
5487404175600	548740	4175600	8.896396	8.896396	29.90064	29.90064	FALSE	41.0954451	8.896396	FALSE	615.83	280	0.03228	0.0000406
5487604175600	548760	4175600	8.992124	8.992124	32.68612	32.68612	FALSE	44.9237978	8.992124	FALSE	632.99	280	0.03228	0.0000406
5487804175600	548780	4175600	9.205766	9.205766	39.10802	39.10802	FALSE	53.7500682	9.205766	FALSE	650.32	280	0.03228	0.0000406
5488004175600	548800	4175600	9.663084	9.663084	52.82569	52.82569	TRUE	72.6036283	9.663084	TRUE	667.79	280	0.03228	0.0000406
5488204175600	548820	4175600	10.55673	10.55673	79.71956	79.71956	FALSE	109.566558	10.556732	FALSE	685.40	280	0.03228	0.0000406
5488404175600	548840	4175600	10.58303	10.58303	76.03112	76.03112	FALSE	104.497169	10.583031	FALSE	703.14	280	0.03228	0.0000406
5488604175600	548860	4175600	10.06562	10.06562	60.45687	60.45687	FALSE	83.0919194	10.065618	FALSE	721.00	280	0.03228	0.0000406
5488804175600	548880	4175600	9.677377	9.677377	49.5326	49.5326	TRUE	68.0776054	9.677377	TRUE	738.97	280	0.03228	0.0000406
5489004175600	548900	4175600	9.436171	9.436171	42.72421	42.72421	TRUE	58.7201474	9.436171	TRUE	757.04	280	0.03228	0.0000406
5489204175600	548920	4175600	9.247147	9.247147	37.4801	37.4801	FALSE	51.5126536	9.247147	FALSE	775.21	280	0.03228	0.0000406
5489404175600	548940	4175600	9.108651	9.108651	33.61564	33.61564	FALSE	46.201337	9.108651	FALSE	793.46	280	0.03228	0.0000406
5489604175600	548960	4175600	9.003101	9.003101	30.63662	30.63662	FALSE	42.106965	9.003101	FALSE	811.80	280	0.03228	0.0000406
5489804175600	548980	4175600	8.920019	8.920019	28.31134	28.31134	FALSE	38.9111071	8.920019	FALSE	830.21	280	0.03228	0.0000406
5490004175600	549000	4175600	8.853628	8.853628	26.46964	26.46964	FALSE	36.3798787	8.853628	FALSE	848.69	280	0.03228	0.0000406
5490204175600	549020	4175600	8.798066	8.798066	25.03518	25.03518	FALSE	34.4083473	8.798066	FALSE	867.24	280	0.03228	0.0000406
5490404175600	549040	4175600	8.762361	8.762361	24.16667	24.16667	FALSE	33.2146644	8.762361	FALSE	885.86	280	0.03228	0.0000406
5490604175600	549060	4175600	8.737903	8.737903	23.60953	23.60953	FALSE	32.4489435	8.737903	FALSE	904.53	280	0.03228	0.0000406
5490804175600	549080	4175600	8.716915	8.716915	23.01001	23.01001	FALSE	31.6249605	8.716915	FALSE	923.26	280	0.03228	0.0000406
5491004175600	549100	4175600	8.70116	8.70116	22.56844	22.56844	FALSE	31.0180598	8.70116	FALSE	942.04	280	0.03228	0.0000406
5491204175600	549120	4175600	8.685313	8.685313	22.16806	22.16806	FALSE	30.4677844	8.685313	FALSE	960.87	280	0.03228	0.0000406
5469404175620	546940	4175620	8.518297	8.518297	14.01134	14.01134	FALSE	19.2571816	8.518297	FALSE	1318.89	280	0.03228	0.0000406
5469604175620	546960	4175620	8.444847	8.444847	12.89322	12.89322	FALSE	17.7204402	8.444847	FALSE	1299.58	280	0.03228	0.0000406
5469804175620	546980	4175620	8.432162	8.432162	13.16032	13.16032	FALSE	18.0875466	8.432162	FALSE	1280.29	280	0.03228	0.0000406
5470004175620	547000	4175620	8.445292	8.445292	14.18105	14.18105	FALSE	19.4904351	8.445292	FALSE	1261.02	280	0.03228	0.0000406
5470204175620	547020	4175620	8.486525	8.486525	16.16191	16.16191	FALSE	22.2129332	8.486525	FALSE	1241.77	280	0.03228	0.0000406
5470404175620	547040	4175620	8.583917	8.583917	19.98637	19.98637	FALSE	27.4692697	8.583917	FALSE	1222.55	280	0.03228	0.0000406
5470604175620	547060	4175620	8.76812	8.76812	26.59861	26.59861	FALSE	36.5571227	8.76812	FALSE	1203.36	280	0.03228	0.0000406
5470804175620	547080	4175620	8.734873	8.734873	24.93223	24.93223	FALSE	34.2668583	8.734873	FALSE	1184.19	280	0.03228	0.0000406
5471004175620	547100	4175620	8.706199	8.706199	25.06508	25.06508	FALSE	34.4494446	8.706199	FALSE	1165.05	280	0.03228	0.0000406
5471204175620	547120	4175620	8.577567	8.577567	19.6083	19.6083	FALSE	26.9496516	8.577567	FALSE	1145.94	280	0.03228	0.0000406
5471404175620	547140	4175620	8.503668	8.503668	16.4294	16.4294	FALSE	22.5805715	8.503668	FALSE	1126.86	280	0.03228	0.0000406
5471604175620	547160	4175620	8.452975	8.452975	14.32867	14.32867	FALSE	19.693324	8.452975	FALSE	1107.81	280	0.03228	0.0000406
5471804175620	547180	4175620	8.436042	8.436042	13.43353	13.43353	FALSE	18.4630478	8.436042	FALSE	1088.79	280	0.03228	0.0000406
5472004175620	547200	4175620	8.429109	8.429109	12.96649	12.96649	FALSE	17.8211439	8.429109	FALSE	1069.82	280	0.03228	0.0000406
5472204175620	547220	4175620	8.41806	8.41806	12.45747	12.45747	FALSE	17.1215399	8.41806	FALSE	1050.87	280	0.03228	0.0000406
5472404175620	547240	4175620	8.394468	8.394468	11.70514	11.70514	FALSE	16.0875485	8.394468	FALSE	1031.97	280	0.03228	0.0000406
5472604175620	547260	4175620	8.380516	8.380516	11.29693	11.29693	FALSE	15.526502	8.380516	FALSE	1013.12	280	0.03228	0.0000406
5472804175620	547280	4175620	8.364362	8.364362	10.37186	10.37186	FALSE	14.2550803	8.364362	FALSE	994.30	280	0.03228	0.0000406
5473004175620	547300	4175620	8.339075	8.339075	9.384635	9.384635	FALSE	12.8982423	8.339075	FALSE	975.54	280	0.03228	0.0000406
5473204175620	547320	4175620	8.304197	8.304197	8.297558	8.297558	FALSE	11.4041637	8.304197	FALSE	956.82	280	0.03228	0.0000406
5473404175620	547340	4175620	8.290076	8.290076	7.836505	7.836505	FALSE	10.7704925	8.290076	FALSE	938.16	280	0.03228	0.0000406
5473604175620	547360	4175620	8.27956	8.27956	7.490727	7.490727	FALSE	10.2952552	8.27956	FALSE	919.55	280	0.03228	0.0000406
5473804175620	547380	4175620	8.279534	8.279534	7.476358	7.476358	FALSE	10.2755064	8.279534	FALSE	901.00	280	0.03228	0.0000406
5474004175620	547400	4175620	8.269802	8.269802	7.106432	7.106432	FALSE	9.76708014	8.269802	FALSE	882.52	280	0.03228	0.0000406
5474204175620	547420	4175620	8.260879	8.260879	6.760123	6.760123	FALSE	9.29111305	8.260879	FALSE	864.10	280	0.03228	0.0000406
5474404175620	547440	4175620	8.253546	8.253546	6.475943	6.475943	FALSE	8.90053606	8.253546	FALSE	845.76	280	0.03228	0.0000406
5474604175620	547460	4175620	8.257905	8.257905	6.666135	6.666135	FALSE	9.16193594	8.257905	FALSE	827.49	280	0.03228	0.0000406
5474804175620	547480	4175620	8.262372	8.262372	6.852359	6.852359	FALSE	9.41788221	8.262372	FALSE	809.30	280	0.03228	0.0000406
5475004175620	547500	4175620	8.264102	8.264102	6.890216	6.890216	FALSE	9.46991287	8.264102	FALSE	791.20	280	0.03228	0.0000406
5475204175620	547520	4175620	8.263011	8.263011	6.775258	6.775258	FALSE	9.3119146	8.263011	FALSE	773.20	280	0.03228	0.0000406
5475404175620	547540	4175620	8.265296	8.265296	6.75594	6.75594	FALSE	9.28536394	8.265296	FALSE	755.29	280	0.03228	0.0000406
5475604175620	547560	4175620	8.274142	8.274142	6.900604	6.900604	FALSE	9.48419014	8.274142	FALSE	737.50	280	0.03228	0.0000406
5475804175620	547580	4175620	8.305759	8.305759	7.596825	7.596825	FALSE	10.4410763	8.305759	FALSE	719.82	280	0.03228	0.0000406
5476004175620	547600	4175620	8.310057	8.310057	7.717799	7.717799	FALSE	10.6073429	8.310057	FALSE	702.26	280	0.03228	0.0000406
5476204175620	547620	4175620	8.290038	8.290038	7.448388	7.448388	FALSE	10.2370645	8.290038	FALSE	684.84	280	0.03228	0.0000406
5476404175620	547640	4175620	8.284329	8.284329	7.407722	7.407722	FALSE	10.1811731	8.284329	FALSE	667.56	280	0.03228	0.0000406
5476604175620	547660	4175620	8.281623	8.281623	7.4303	7.4303	FALSE	10.2122043	8.281623	FALSE	650.44	280	0.03228	0.0000406
5476804175620	547680	4175620	8.284106	8.284106	7.614795	7.614795	FALSE	10.4657742	8.284106	FALSE	633.49	280	0.03228	0.0000406
5477004175620	547700	4175620	8.288455	8.288455	7.850455	7.850455	FALSE	10.7896654	8.288455	FALSE	616.71	280	0.03228	0.0000406
5477204175620	547720	4175620	8.289137	8.289137	7.939125	7.939125	FALSE	10.9115334	8.289137	FALSE	600.14	280	0.03228	0.0000406
5477404175620	547740	4175620	8.286278	8.286278	7.883052	7.883052	FALSE	10.8344667	8.286278	FALSE	583.78	280	0.03228	0.0000406
5477604175620	547760	4175620	8.277152	8.277152	7.588499	7.588499	FALSE	10.429633	8.277152	FALSE	567.66	280	0.03228	0.0000406
5477804175620	547780	4175620	8.272598	8.272598	7.498266	7.498266	FALSE	10.3056168	8.272598	FALSE	551.79	280	0.03228	0.0000406
5478004175620	547800	4175620	8.270773	8.270773	7.47629	7.47629	FALSE	10.275413	8.270773	FALSE	536.19	280	0.03228	0.0000406
5478204175620	547820	4175620	8.276134	8.276134	7.702193	7.702193	FALSE	10.5858941	8.276134	FALSE	520.90	280	0.03228	0.0000406
5478404175620	547840	4175620	8.291728	8.291728	8.229626	8.229626	FALSE	11.310798	8.291728	FALSE	505.93	280	0.03228	0.0000406
5478604175620	547860	4175620	8.309073	8.309073	8.795895	8.795895	FALSE	12.0890781	8.309073	FALSE	491.33	280	0.03228	0.0000406
5478804175620	547880	4175620	8.332978	8.332978	9.434149	9.434149	FALSE	12.9662944	8.332978	FALSE	477.11	280	0.03228	0.0000406
5479004175620	547900	4175620	8.339654	8.339654	9.703506	9.703506	FALSE	13.3364986	8.339654	FALSE	463.32	280	0.03228	0.0000406
5479204175620	547920	4175620	8.34549	8.34549	9.948411	9.948411	FALSE	13.6730961	8.34549	FALSE	450.00	280	0.03228	0.0000406
5479404175620	547940	4175620	8.323596	8.323596	9.680917	9.680917	FALSE	13.3054523	8.323596	FALSE	437.19	280	0.03228	0.0000406
5479604175620	547960	4175620	8.319684	8.319684	9.825986	9.825986	FALSE	13.5048352	8.319684	FALSE	424.93	280	0.03228	0.0000406
5479804175620	547980	4175620	8.323142	8.323142	10.13142	10.13142	FALSE	13.9246264	8.323142	FALSE	413.28	280	0.03228	0.0000406
5480004175620	548000	4175620	8.325511	8.325511	10.43002	10.43002	FALSE	14.3350181	8.325511	FALSE	402.29	280	0.03228	0.0000406
5480204175620	548020	4175620	8.331235	8.331235	10.83017	10.83017	FALSE	14.8849898	8.331235	FALSE	392.01	280	0.03228	0.0000406
5480404175620	548040	4175620	8.337764	8.337764	11.25833	11.25833	FALSE	15.473446	8.337764	FALSE	382.50	280	0.03228	0.0000406
5480604175620	548060	4175620	8.341959	8.341959	11.65458	11.65458	FALSE	16.0180575	8.341959	FALSE	373.81	280	0.03228	0.0000406
5480804175620	548080	4175620	8.348974	8.348974	12.1932	12.1932	FALSE	16.7583313	8.348974	FALSE	366.02	280	0.03228	0.0000406

5481004175620	548100	4175620	8.358855	8.358855	12.86976	12.86976	FALSE	17.688194	8.358855	FALSE	359.17	280	0.03228	0.0000406
5481204175620	548120	4175620	8.369861	8.369861	13.664	13.664	FALSE	18.7797975	8.369861	FALSE	353.32	280	0.03228	0.0000406
5481404175620	548140	4175620	8.38592	8.38592	14.7358	14.7358	FALSE	20.252878	8.38592	FALSE	348.52	280	0.03228	0.0000406
5481604175620	548160	4175620	8.407719	8.407719	16.15307	16.15307	FALSE	22.2007849	8.407719	FALSE	344.82	280	0.03228	0.0000406
5481804175620	548180	4175620	8.432005	8.432005	18.23052	18.23052	FALSE	25.0560198	8.432005	FALSE	342.25	280	0.03228	0.0000406
5482004175620	548200	4175620	8.466775	8.466775	21.1243	21.1243	FALSE	29.0332365	8.466775	FALSE	340.84	280	0.03228	0.0000406
5482204175620	548220	4175620	8.551072	8.551072	26.71226	26.71226	FALSE	36.7133288	8.551072	FALSE	340.59	280	0.03228	0.0000406
5482404175620	548240	4175620	8.77217	8.77217	40.81461	40.81461	FALSE	56.0955986	8.77217	FALSE	341.52	280	0.03228	0.0000406
5482604175620	548260	4175620	9.208933	9.208933	67.88582	67.88582	FALSE	93.3022696	9.208933	FALSE	343.61	280	0.03228	0.0000406
5482804175620	548280	4175620	8.79969	8.79969	44.00378	44.00378	FALSE	60.4787994	8.79969	FALSE	346.85	280	0.03228	0.0000406
5483004175620	548300	4175620	8.721345	8.721345	41.57011	41.57011	FALSE	57.1339619	8.721345	FALSE	351.19	280	0.03228	0.0000406
5483204175620	548320	4175620	8.620062	8.620062	34.88564	34.88564	FALSE	47.9468277	8.620062	FALSE	356.61	280	0.03228	0.0000406
5483404175620	548340	4175620	8.482353	8.482353	25.23783	25.23783	FALSE	34.6868749	8.482353	FALSE	363.05	280	0.03228	0.0000406
5483604175620	548360	4175620	8.406262	8.406262	20.04807	20.04807	FALSE	27.5540674	8.406262	FALSE	370.45	280	0.03228	0.0000406
5483804175620	548380	4175620	8.370515	8.370515	17.56825	17.56825	FALSE	24.1458069	8.370515	FALSE	378.77	280	0.03228	0.0000406
5484004175620	548400	4175620	8.351013	8.351013	16.24623	16.24623	FALSE	22.328824	8.351013	FALSE	387.95	280	0.03228	0.0000406
5484204175620	548420	4175620	8.365008	8.365008	16.74756	16.74756	FALSE	23.017841	8.365008	FALSE	397.91	280	0.03228	0.0000406
5484404175620	548440	4175620	8.374034	8.374034	17.0339	17.0339	FALSE	23.4113922	8.374034	FALSE	408.62	280	0.03228	0.0000406
5484604175620	548460	4175620	8.379678	8.379678	17.19947	17.19947	FALSE	23.6389447	8.379678	FALSE	420.00	280	0.03228	0.0000406
5484804175620	548480	4175620	8.367159	8.367159	15.99571	15.99571	FALSE	21.9845066	8.367159	FALSE	432.01	280	0.03228	0.0000406
5485004175620	548500	4175620	8.363603	8.363603	15.47491	15.47491	FALSE	21.2687122	8.363603	FALSE	444.60	280	0.03228	0.0000406
5485204175620	548520	4175620	8.350344	8.350344	14.21401	14.21401	FALSE	19.5357408	8.350344	FALSE	457.71	280	0.03228	0.0000406
5485404175620	548540	4175620	8.351879	8.351879	13.73577	13.73577	FALSE	18.878445	8.351879	FALSE	471.31	280	0.03228	0.0000406
5485604175620	548560	4175620	8.362039	8.362039	13.69141	13.69141	FALSE	18.8174712	8.362039	FALSE	485.35	280	0.03228	0.0000406
5485804175620	548580	4175620	8.383233	8.383233	14.15728	14.15728	FALSE	19.457767	8.383233	FALSE	499.80	280	0.03228	0.0000406
5486004175620	548600	4175620	8.415361	8.415361	15.10986	15.10986	FALSE	20.7669875	8.415361	FALSE	514.62	280	0.03228	0.0000406
5486204175620	548620	4175620	8.4519	8.4519	16.38043	16.38043	FALSE	22.5132671	8.4519	FALSE	529.78	280	0.03228	0.0000406
5486404175620	548640	4175620	8.493483	8.493483	18.07381	18.07381	FALSE	24.840639	8.493483	FALSE	545.25	280	0.03228	0.0000406
5486604175620	548660	4175620	8.531294	8.531294	19.63011	19.63011	FALSE	26.9796287	8.531294	FALSE	561.01	280	0.03228	0.0000406
5486804175620	548680	4175620	8.585678	8.585678	21.48637	21.48637	FALSE	29.5308656	8.585678	FALSE	577.03	280	0.03228	0.0000406
5487004175620	548700	4175620	8.672686	8.672686	24.21274	24.21274	FALSE	33.2779871	8.672686	FALSE	593.30	280	0.03228	0.0000406
5487204175620	548720	4175620	8.738066	8.738066	26.20816	26.20816	FALSE	36.0204951	8.738066	FALSE	609.78	280	0.03228	0.0000406
5487404175620	548740	4175620	8.8134	8.8134	28.37419	28.37419	FALSE	38.9974854	8.8134	FALSE	626.47	280	0.03228	0.0000406
5487604175620	548760	4175620	8.896953	8.896953	30.70905	30.70905	FALSE	42.2065238	8.896953	FALSE	643.35	280	0.03228	0.0000406
5487804175620	548780	4175620	9.041029	9.041029	34.75964	34.75964	FALSE	47.7736506	9.041029	FALSE	660.40	280	0.03228	0.0000406
5488004175620	548800	4175620	9.316563	9.316563	42.37644	42.37644	FALSE	58.2421819	9.316563	FALSE	677.62	280	0.03228	0.0000406
5488204175620	548820	4175620	9.919604	9.919604	58.10873	58.10873	TRUE	79.8646399	9.919604	TRUE	694.98	280	0.03228	0.0000406
5488404175620	548840	4175620	10.69724	10.69724	77.48595	77.48595	FALSE	106.496687	10.697238	FALSE	712.48	280	0.03228	0.0000406
5488604175620	548860	4175620	10.34016	10.34016	67.14561	67.14561	FALSE	92.2849305	10.340156	FALSE	730.11	280	0.03228	0.0000406
5488804175620	548880	4175620	10.18076	10.18076	62.14963	62.14963	TRUE	85.4184528	10.180763	TRUE	747.86	280	0.03228	0.0000406
5489004175620	548900	4175620	9.77538	9.77538	51.21466	51.21466	TRUE	70.3894246	9.77538	TRUE	765.72	280	0.03228	0.0000406
5489204175620	548920	4175620	9.435013	9.435013	42.18608	42.18608	FALSE	57.980547	9.435013	FALSE	783.69	280	0.03228	0.0000406
5489404175620	548940	4175620	9.229378	9.229378	36.61092	36.61092	FALSE	50.3180443	9.229378	FALSE	801.75	280	0.03228	0.0000406
5489604175620	548960	4175620	9.088605	9.088605	32.74254	32.74254	FALSE	45.0013497	9.088605	FALSE	819.90	280	0.03228	0.0000406
5489804175620	548980	4175620	8.985773	8.985773	29.93791	29.93791	FALSE	41.1466608	8.985773	FALSE	838.13	280	0.03228	0.0000406
5490004175620	549000	4175620	8.904571	8.904571	27.76083	27.76083	FALSE	38.1544806	8.904571	FALSE	856.45	280	0.03228	0.0000406
5490204175620	549020	4175620	8.838341	8.838341	26.04259	26.04259	FALSE	35.7929343	8.838341	FALSE	874.83	280	0.03228	0.0000406
5490404175620	549040	4175620	8.793674	8.793674	24.93962	24.93962	FALSE	34.2770124	8.793674	FALSE	893.29	280	0.03228	0.0000406
5490604175620	549060	4175620	8.762744	8.762744	24.21878	24.21878	FALSE	33.2862857	8.762744	FALSE	911.81	280	0.03228	0.0000406
5490804175620	549080	4175620	8.735078	8.735078	23.42248	23.42248	FALSE	32.1918551	8.735078	FALSE	930.39	280	0.03228	0.0000406
5491004175620	549100	4175620	8.713348	8.713348	22.81094	22.81094	FALSE	31.3513601	8.713348	FALSE	949.03	280	0.03228	0.0000406
5491204175620	549120	4175620	8.691991	8.691991	22.25957	22.25957	FALSE	30.593553	8.691991	FALSE	967.73	280	0.03228	0.0000406
5469404175640	546940	4175640	8.487873	8.487873	13.54053	13.54053	FALSE	18.6100976	8.487873	FALSE	1324.20	280	0.03228	0.0000406
5469604175640	546960	4175640	8.594328	8.594328	16.4008	16.4008	FALSE	22.5412595	8.594328	FALSE	1304.96	280	0.03228	0.0000406
5469804175640	546980	4175640	8.517928	8.517928	15.79056	15.79056	FALSE	21.7025457	8.517928	FALSE	1285.75	280	0.03228	0.0000406
5470004175640	547000	4175640	8.530087	8.530087	17.56365	17.56365	FALSE	24.1394751	8.530087	FALSE	1266.57	280	0.03228	0.0000406
5470204175640	547020	4175640	8.610958	8.610958	21.94668	21.94668	FALSE	30.1635129	8.610958	FALSE	1247.41	280	0.03228	0.0000406
5470404175640	547040	4175640	8.886339	8.886339	34.92373	34.92373	FALSE	47.99918	8.886339	FALSE	1228.28	280	0.03228	0.0000406
5470604175640	547060	4175640	8.880014	8.880014	33.85044	33.85044	FALSE	46.5240475	8.880014	FALSE	1209.17	280	0.03228	0.0000406
5470804175640	547080	4175640	8.598895	8.598895	21.05159	21.05159	FALSE	28.9333039	8.598895	FALSE	1190.10	280	0.03228	0.0000406
5471004175640	547100	4175640	8.496486	8.496486	16.56579	16.56579	FALSE	22.7680163	8.496486	FALSE	1171.05	280	0.03228	0.0000406
5471204175640	547120	4175640	8.445428	8.445428	14.34521	14.34521	FALSE	19.716058	8.445428	FALSE	1152.04	280	0.03228	0.0000406
5471404175640	547140	4175640	8.412526	8.412526	12.91546	12.91546	FALSE	17.7510041	8.412526	FALSE	1133.06	280	0.03228	0.0000406
5471604175640	547160	4175640	8.378959	8.378959	11.45717	11.45717	FALSE	15.7467358	8.378959	FALSE	1114.12	280	0.03228	0.0000406
5471804175640	547180	4175640	8.37032	8.37032	10.88581	10.88581	FALSE	14.9614504	8.37032	FALSE	1095.21	280	0.03228	0.0000406
5472004175640	547200	4175640	8.367325	8.367325	10.59154	10.59154	FALSE	14.5570181	8.367325	FALSE	1076.35	280	0.03228	0.0000406
5472204175640	547220	4175640	8.378983	8.378983	10.63558	10.63558	FALSE	14.6175357	8.378983	FALSE	1057.53	280	0.03228	0.0000406
5472404175640	547240	4175640	8.357984	8.357984	10.0657	10.0657	FALSE	13.8342995	8.357984	FALSE	1038.75	280	0.03228	0.0000406
5472604175640	547260	4175640	8.346304	8.346304	9.842782	9.842782	FALSE	13.5279196	8.346304	FALSE	1020.01	280	0.03228	0.0000406
5472804175640	547280	4175640	8.330838	8.330838	9.07328	9.07328	FALSE	12.470316	8.330838	FALSE	1001.33	280	0.03228	0.0000406
5473004175640	547300	4175640	8.3236	8.3236	8.464555	8.464555	FALSE	11.6336844	8.3236	FALSE	982.70	280	0.03228	0.0000406
5473204175640	547320	4175640	8.282634	8.282634	7.30094	7.30094	FALSE	10.0344119	8.282634	FALSE	964.12	280	0.03228	0.0000406
5473404175640	547340	4175640	8.272344	8.272344	7.02541	7.02541	FALSE	9.6557235	8.272344	FALSE	945.60	280	0.03228	0.0000406
5473604175640	547360	4175640	8.265482	8.265482	6.840363	6.840363	FALSE	9.40139491	8.265482	FALSE	927.14	280	0.03228	0.0000406
5473804175640	547380	4175640	8.268267	8.268267	6.954451	6.954451	FALSE	9.55819745	8.268267	FALSE	908.75	280	0.03228	0.0000406
5474004175640	547400	4175640	8.259676	8.259676	6.636533	6.636533	FALSE	9.12125096	8.259676	FALSE	890.43	280	0.03228	0.0000406
5474204175640	547420	4175640	8.251734	8.251734	6.335235	6.335235	FALSE	8.70714698	8.251734	FALSE	872.18	280	0.03228	0.0000406
5474404175640	547440	4175640	8.245273	8.245273	6.090795	6.090795	FALSE	8.37118865	8.245273	FALSE	854.01	280	0.03228	0.0000406
5474604175640	547460	4175640	8.247487	8.247487	6.196554	6.196554	FALSE	8.51654382	8.247487	FALSE	835.92	280	0.03228	0.0000406
5474804175640	547480	4175640	8.251581	8.251581	6.372662	6.372662	FALSE	8.75858665	8.251581	FALSE	817.92	280	0.03228	0.0000406
5475004175640	547500	4175640	8.255347	8.255347	6.502361	6.502361	FALSE	8.93684496	8.255347	FALSE	800.02	280	0.03228	0.0000406
5475204175640	547520	4175640	8.256379	8.256379	6.479567	6.479567	FALSE	8.90551688	8.256379	FALSE	782.21	280	0.03228	0.0000406
5475404175640	547540	4175640	8.258507	8.258507	6.460772	6.460772	FALSE	8.87968504	8.258507	FALSE	764.52	280	0.03228	0.0000406
5475604175640	547560	4175640	8.264535	8.264535	6.518481	6.518481	FALSE	8.95900029	8.264535	FALSE	746.94	280	0.03228	0.0000406
5475804175640	547580	4175640	8.293412	8.293412	7.165139	7.165139	FALSE	9.84776704	8.293412	FALSE	729.49	280	0.03228	0.0000406
5476004175640	547600	4175640	8.309116	8.309116	7.503736	7.503736	FALSE	10.3131348	8.309116	FALSE	712.17	280	0.03228	0.0000406
5476204175640	547620	4175640	8.282448	8.282448	7.108443	7.108443	FALSE	9.76984406	8.282448	FALSE	695.00	280	0.03228	0.0000406
5476404175640	547640	4175640	8.273586	8.273586	6.975215	6.975215	FALSE	9.5867355	8.273586	FALSE	677.98	280	0.03228	0.0000406
5476604175640	547660	4175640	8.270578	8.270578	6.992689	6.992689	FALSE	9.61075176	8.270578	FALSE	661.13	280	0.03228	0.0000406
5476804175640	547680	4175640	8.274231	8.274231	7.226479	7.226479	FALSE	9.93207274	8.274231	FALSE	644.46	280	0.03228	0.0000406
5477004175640	547700	4175640	8.277842	8.277842	7.440158	7.440158	FALSE	10.2257532	8.277842	FALSE	627.98	280	0.03228	0.0000406
5477204175640	547720	4175640	8.279424	8.279424	7.558621	7.558621	FALSE	10.3885687	8.279424	FALSE	611.71	280	0.03228	0.0000406
5477404175640	547740	4175640	8.278523	8.278523	7.575217	7.575217	FALSE	10.4113782	8.278523	FALSE	595.67	280	0.03228	0.0000406
5477604175640	547760	4175640	8.270416	8.270416	7.315992	7.315992	FALSE	10.0550994	8.270416	FALSE	579.88	280	0.03228	0.0000406

5477804175640	547780	4175640	8.267407	8.267407	7.271863	7.271863	FALSE	9.99444851	8.267407	FALSE	564.35	280	0.03228	0.0000406
5478004175640	547800	4175640	8.268164	8.268164	7.341621	7.341621	FALSE	10.0903239	8.268164	FALSE	549.11	280	0.03228	0.0000406
5478204175640	547820	4175640	8.269413	8.269413	7.408797	7.408797	FALSE	10.1826506	8.269413	FALSE	534.19	280	0.03228	0.0000406
5478404175640	547840	4175640	8.282704	8.282704	7.853834	7.853834	FALSE	10.7943094	8.282704	FALSE	519.61	280	0.03228	0.0000406
5478604175640	547860	4175640	8.300961	8.300961	8.45276	8.45276	FALSE	11.6174733	8.300961	FALSE	505.40	280	0.03228	0.0000406
5478804175640	547880	4175640	8.328104	8.328104	9.164541	9.164541	FALSE	12.5957452	8.328104	FALSE	491.59	280	0.03228	0.0000406
5479004175640	547900	4175640	8.327954	8.327954	9.30294	9.30294	FALSE	12.7859607	8.327954	FALSE	478.22	280	0.03228	0.0000406
5479204175640	547920	4175640	8.332184	8.332184	9.512331	9.512331	FALSE	13.0737477	8.332184	FALSE	465.32	280	0.03228	0.0000406
5479404175640	547940	4175640	8.311042	8.311042	9.226876	9.226876	FALSE	12.6814184	8.311042	FALSE	452.94	280	0.03228	0.0000406
5479604175640	547960	4175640	8.306704	8.306704	9.353555	9.353555	FALSE	12.855526	8.306704	FALSE	441.12	280	0.03228	0.0000406
5479804175640	547980	4175640	8.310365	8.310365	9.677161	9.677161	FALSE	13.3002901	8.310365	FALSE	429.91	280	0.03228	0.0000406
5480004175640	548000	4175640	8.314646	8.314646	10.04939	10.04939	FALSE	13.8118775	8.314646	FALSE	419.35	280	0.03228	0.0000406
5480204175640	548020	4175640	8.322506	8.322506	10.51141	10.51141	FALSE	14.4468764	8.322506	FALSE	409.50	280	0.03228	0.0000406
5480404175640	548040	4175640	8.331017	8.331017	10.99446	10.99446	FALSE	15.1107803	8.331017	FALSE	400.41	280	0.03228	0.0000406
5480604175640	548060	4175640	8.336038	8.336038	11.41526	11.41526	FALSE	15.6891375	8.336038	FALSE	392.12	280	0.03228	0.0000406
5480804175640	548080	4175640	8.343836	8.343836	11.97498	11.97498	FALSE	16.4584098	8.343836	FALSE	384.70	280	0.03228	0.0000406
5481004175640	548100	4175640	8.354359	8.354359	12.66446	12.66446	FALSE	17.4060297	8.354359	FALSE	378.19	280	0.03228	0.0000406
5481204175640	548120	4175640	8.365313	8.365313	13.45599	13.45599	FALSE	18.4939099	8.365313	FALSE	372.64	280	0.03228	0.0000406
5481404175640	548140	4175640	8.381246	8.381246	14.52009	14.52009	FALSE	19.9564144	8.381246	FALSE	368.09	280	0.03228	0.0000406
5481604175640	548160	4175640	8.402857	8.402857	15.92372	15.92372	FALSE	21.8855663	8.402857	FALSE	364.59	280	0.03228	0.0000406
5481804175640	548180	4175640	8.426875	8.426875	17.97557	17.97557	FALSE	24.7056165	8.426875	FALSE	362.16	280	0.03228	0.0000406
5482004175640	548200	4175640	8.461581	8.461581	20.90176	20.90176	FALSE	28.7273762	8.461581	FALSE	360.82	280	0.03228	0.0000406
5482204175640	548220	4175640	8.557583	8.557583	27.28655	27.28655	FALSE	37.5026274	8.557583	FALSE	360.59	280	0.03228	0.0000406
5482404175640	548240	4175640	8.781353	8.781353	41.50209	41.50209	FALSE	57.0404752	8.781353	FALSE	361.47	280	0.03228	0.0000406
5482604175640	548260	4175640	8.869078	8.869078	47.94456	47.94456	FALSE	65.8950074	8.869078	FALSE	363.44	280	0.03228	0.0000406
5482804175640	548280	4175640	8.827159	8.827159	46.19244	46.19244	FALSE	63.4868923	8.827159	FALSE	366.50	280	0.03228	0.0000406
5483004175640	548300	4175640	8.79314	8.79314	46.46011	46.46011	FALSE	63.8547793	8.79314	FALSE	370.62	280	0.03228	0.0000406
5483204175640	548320	4175640	8.593485	8.593485	32.54754	32.54754	FALSE	44.7333404	8.593485	FALSE	375.75	280	0.03228	0.0000406
5483404175640	548340	4175640	8.518793	8.518793	27.42794	27.42794	FALSE	37.6969539	8.518793	FALSE	381.87	280	0.03228	0.0000406
5483604175640	548360	4175640	8.475263	8.475263	24.34393	24.34393	FALSE	33.4582933	8.475263	FALSE	388.92	280	0.03228	0.0000406
5483804175640	548380	4175640	8.444668	8.444668	22.19446	22.19446	FALSE	30.5040686	8.444668	FALSE	396.85	280	0.03228	0.0000406
5484004175640	548400	4175640	8.41344	8.41344	20.14682	20.14682	FALSE	27.6897922	8.41344	FALSE	405.61	280	0.03228	0.0000406
5484204175640	548420	4175640	8.410473	8.410473	19.78051	19.78051	FALSE	27.1863357	8.410473	FALSE	415.16	280	0.03228	0.0000406
5484404175640	548440	4175640	8.41039	8.41039	19.75512	19.75512	FALSE	27.1514342	8.41039	FALSE	425.43	280	0.03228	0.0000406
5484604175640	548460	4175640	8.41954	8.41954	20.35256	20.35256	FALSE	27.9725557	8.41954	FALSE	436.38	280	0.03228	0.0000406
5484804175640	548480	4175640	8.375157	8.375157	17.00258	17.00258	FALSE	23.3683432	8.375157	FALSE	447.95	280	0.03228	0.0000406
5485004175640	548500	4175640	8.347968	8.347968	14.69094	14.69094	FALSE	20.1912211	8.347968	FALSE	460.10	280	0.03228	0.0000406
5485204175640	548520	4175640	8.339955	8.339955	13.70608	13.70608	FALSE	18.8376336	8.339955	FALSE	472.78	280	0.03228	0.0000406
5485404175640	548540	4175640	8.343503	8.343503	13.3374	13.3374	FALSE	18.3309267	8.343503	FALSE	485.96	280	0.03228	0.0000406
5485604175640	548560	4175640	8.358008	8.358008	13.46131	13.46131	FALSE	18.5012272	8.358008	FALSE	499.59	280	0.03228	0.0000406
5485804175640	548580	4175640	8.388398	8.388398	14.25741	14.25741	FALSE	19.5953802	8.388398	FALSE	513.64	280	0.03228	0.0000406
5486004175640	548600	4175640	8.416092	8.416092	15.0812	15.0812	FALSE	20.7275999	8.416092	FALSE	528.07	280	0.03228	0.0000406
5486204175640	548620	4175640	8.438885	8.438885	15.89269	15.89269	FALSE	21.8429076	8.438885	FALSE	542.85	280	0.03228	0.0000406
5486404175640	548640	4175640	8.461128	8.461128	17.24693	17.24693	FALSE	23.7041751	8.461128	FALSE	557.96	280	0.03228	0.0000406
5486604175640	548660	4175640	8.51985	8.51985	20.88637	20.88637	FALSE	28.7062297	8.51985	FALSE	573.37	280	0.03228	0.0000406
5486804175640	548680	4175640	8.569883	8.569883	22.92683	22.92683	FALSE	31.510631	8.569883	FALSE	589.06	280	0.03228	0.0000406
5487004175640	548700	4175640	8.646375	8.646375	25.67397	25.67397	FALSE	35.2863044	8.646375	FALSE	605.00	280	0.03228	0.0000406
5487204175640	548720	4175640	8.69753	8.69753	27.26736	27.26736	FALSE	37.4762623	8.69753	FALSE	621.17	280	0.03228	0.0000406
5487404175640	548740	4175640	8.75996	8.75996	29.07227	29.07227	FALSE	39.9569306	8.75996	FALSE	637.57	280	0.03228	0.0000406
5487604175640	548760	4175640	8.840076	8.840076	31.43825	31.43825	FALSE	43.2087239	8.840076	FALSE	654.16	280	0.03228	0.0000406
5487804175640	548780	4175640	8.909544	8.909544	31.34962	31.34962	FALSE	43.0869136	8.909544	FALSE	670.94	280	0.03228	0.0000406
5488004175640	548800	4175640	9.130127	9.130127	39.49414	39.49414	FALSE	54.2807419	9.130127	FALSE	687.89	280	0.03228	0.0000406
5488204175640	548820	4175640	9.470072	9.470072	46.85612	46.85612	TRUE	64.3990568	9.470072	TRUE	705.00	280	0.03228	0.0000406
5488404175640	548840	4175640	10.24422	10.24422	66.42486	66.42486	FALSE	91.2943317	10.244222	FALSE	722.26	280	0.03228	0.0000406
5488604175640	548860	4175640	11.12468	11.12468	87.14883	87.14883	FALSE	119.777356	11.124679	FALSE	739.65	280	0.03228	0.0000406
5488804175640	548880	4175640	10.08198	10.08198	59.63391	59.63391	FALSE	81.9608473	10.081984	FALSE	757.18	280	0.03228	0.0000406
5489004175640	548900	4175640	10.26498	10.26498	63.7901	63.7901	TRUE	87.6731107	10.26498	TRUE	774.83	280	0.03228	0.0000406
5489204175640	548920	4175640	9.713786	9.713786	49.24905	49.24905	TRUE	67.6878916	9.713786	TRUE	792.58	280	0.03228	0.0000406
5489404175640	548940	4175640	9.387555	9.387555	40.60583	40.60583	FALSE	55.8086486	9.387555	FALSE	810.45	280	0.03228	0.0000406
5489604175640	548960	4175640	9.19694	9.19694	35.46893	35.46893	FALSE	48.7484933	9.19694	FALSE	828.41	280	0.03228	0.0000406
5489804175640	548980	4175640	9.068877	9.068877	32.05015	32.05015	FALSE	44.049722	9.068877	FALSE	846.46	280	0.03228	0.0000406
5490004175640	549000	4175640	8.966145	8.966145	29.38828	29.38828	FALSE	40.3912465	8.966145	FALSE	864.59	280	0.03228	0.0000406
5490204175640	549020	4175640	8.888381	8.888381	27.29447	27.29447	FALSE	37.5135141	8.888381	FALSE	882.81	280	0.03228	0.0000406
5490404175640	549040	4175640	8.830921	8.830921	25.80902	25.80902	FALSE	35.4719198	8.830921	FALSE	901.10	280	0.03228	0.0000406
5490604175640	549060	4175640	8.790458	8.790458	24.83497	24.83497	FALSE	34.1331773	8.790458	FALSE	919.47	280	0.03228	0.0000406
5490804175640	549080	4175640	8.758987	8.758987	23.98536	23.98536	FALSE	32.9654829	8.758987	FALSE	937.90	280	0.03228	0.0000406
5491004175640	549100	4175640	8.733527	8.733527	23.30255	23.30255	FALSE	32.0270261	8.733527	FALSE	956.39	280	0.03228	0.0000406
5491204175640	549120	4175640	8.707653	8.707653	22.63428	22.63428	FALSE	31.1085489	8.707653	FALSE	974.95	280	0.03228	0.0000406
5469404175660	546940	4175660	8.421875	8.421875	12.47164	12.47164	FALSE	17.1410261	8.421875	FALSE	1329.78	280	0.03228	0.0000406
5469604175660	546960	4175660	8.509707	8.509707	15.25386	15.25386	FALSE	20.9649011	8.509707	FALSE	1310.63	280	0.03228	0.0000406
5469804175660	546980	4175660	8.600708	8.600708	18.88366	18.88366	FALSE	25.9536954	8.600708	FALSE	1291.50	280	0.03228	0.0000406
5470004175660	547000	4175660	8.701191	8.701191	24.38555	24.38555	FALSE	33.5155027	8.701191	FALSE	1272.41	280	0.03228	0.0000406
5470204175660	547020	4175660	8.732702	8.732702	27.18192	27.18192	FALSE	37.358835	8.732702	FALSE	1253.33	280	0.03228	0.0000406
5470404175660	547040	4175660	8.768321	8.768321	29.25707	29.25707	FALSE	40.2109156	8.768321	FALSE	1234.29	280	0.03228	0.0000406
5470604175660	547060	4175660	8.556259	8.556259	19.56033	19.56033	FALSE	26.883723	8.556259	FALSE	1215.28	280	0.03228	0.0000406
5470804175660	547080	4175660	8.466945	8.466945	15.52503	15.52503	FALSE	21.3375999	8.466945	FALSE	1196.31	280	0.03228	0.0000406
5471004175660	547100	4175660	8.413218	8.413218	13.12413	13.12413	FALSE	18.0378056	8.413218	FALSE	1177.36	280	0.03228	0.0000406
5471204175660	547120	4175660	8.38061	8.38061	11.6854	11.6854	FALSE	16.0604165	8.38061	FALSE	1158.45	280	0.03228	0.0000406
5471404175660	547140	4175660	8.356955	8.356955	10.65582	10.65582	FALSE	14.6453535	8.356955	FALSE	1139.58	280	0.03228	0.0000406
5471604175660	547160	4175660	8.340736	8.340736	9.935286	9.935286	FALSE	13.6550571	8.340736	FALSE	1120.75	280	0.03228	0.0000406
5471804175660	547180	4175660	8.339579	8.339579	9.687592	9.687592	FALSE	13.3146264	8.339579	FALSE	1101.96	280	0.03228	0.0000406
5472004175660	547200	4175660	8.33636	8.33636	9.425227	9.425227	FALSE	12.954032	8.33636	FALSE	1083.21	280	0.03228	0.0000406
5472204175660	547220	4175660	8.345665	8.345665	9.459424	9.459424	FALSE	13.0010323	8.345665	FALSE	1064.51	280	0.03228	0.0000406
5472404175660	547240	4175660	8.345146	8.345146	9.269657	9.269657	FALSE	12.7402166	8.345146	FALSE	1045.86	280	0.03228	0.0000406
5472604175660	547260	4175660	8.324474	8.324474	8.864827	8.864827	FALSE	12.1838182	8.324474	FALSE	1027.25	280	0.03228	0.0000406
5472804175660	547280	4175660	8.308869	8.308869	8.166073	8.166073	FALSE	11.2234507	8.308869	FALSE	1008.70	280	0.03228	0.0000406
5473004175660	547300	4175660	8.302018	8.302018	7.641695	7.641695	FALSE	10.5027456	8.302018	FALSE	990.21	280	0.03228	0.0000406
5473204175660	547320	4175660	8.269753	8.269753	6.70728	6.70728	FALSE	9.21848563	8.269753	FALSE	971.78	280	0.03228	0.0000406
5473404175660	547340	4175660	8.257991	8.257991	6.383602	6.383602	FALSE	8.77362259	8.257991	FALSE	953.40	280	0.03228	0.0000406
5473604175660	547360	4175660	8.250001	8.250001	6.15308	6.15308	FALSE	8.45679315	8.250001	FALSE	935.10	280	0.03228	0.0000406
5473804175660	547380	4175660	8.251127	8.251127	6.204944	6.204944	FALSE	8.52807503	8.251127	FALSE	916.87	280	0.03228	0.0000406
5474004175660	547400	4175660	8.245618	8.245618	6.022021	6.022021	FALSE	8.27666566	8.245618	FALSE	898.71	280	0.03228	0.0000406
5474204175660	547420	4175660	8.23867	8.23867	5.769136	5.769136	FALSE	7.92910052	8.23867	FALSE	880.63	280	0.03228	0.0000406
5474404175660	547440	4175660	8.231274	8.231274	5.495594	5.495594	FALSE	7.55314439	8.231274	FALSE	862.64	280	0.03228	0.0000406

5474604175660	547460	4175660	8.233333	8.233333	5.595742	5.595742	FALSE	7.6907878	8.233333	FALSE	844.74	280	0.03228	0.0000406
5474804175660	547480	4175660	8.23865	8.23865	5.822904	5.822904	FALSE	8.00299926	8.23865	FALSE	826.93	280	0.03228	0.0000406
5475004175660	547500	4175660	8.245572	8.245572	6.086347	6.086347	FALSE	8.36507532	8.245572	FALSE	809.23	280	0.03228	0.0000406
5475204175660	547520	4175660	8.246525	8.246525	6.070259	6.070259	FALSE	8.34296397	8.246525	FALSE	791.63	280	0.03228	0.0000406
5475404175660	547540	4175660	8.249198	8.249198	6.085776	6.085776	FALSE	8.36429053	8.249198	FALSE	774.15	280	0.03228	0.0000406
5475604175660	547560	4175660	8.256297	8.256297	6.20197	6.20197	FALSE	8.52398757	8.256297	FALSE	756.80	280	0.03228	0.0000406
5475804175660	547580	4175660	8.278401	8.278401	6.690658	6.690658	FALSE	9.19564036	8.278401	FALSE	739.58	280	0.03228	0.0000406
5476004175660	547600	4175660	8.301699	8.301699	7.162544	7.162544	FALSE	9.84420047	8.301699	FALSE	722.51	280	0.03228	0.0000406
5476204175660	547620	4175660	8.273685	8.273685	6.73635	6.73635	FALSE	9.25843944	8.273685	FALSE	705.58	280	0.03228	0.0000406
5476404175660	547640	4175660	8.263503	8.263503	6.573174	6.573174	FALSE	9.03417035	8.263503	FALSE	688.83	280	0.03228	0.0000406
5476604175660	547660	4175660	8.259302	8.259302	6.55168	6.55168	FALSE	9.00462899	8.259302	FALSE	672.25	280	0.03228	0.0000406
5476804175660	547680	4175660	8.261225	8.261225	6.726516	6.726516	FALSE	9.24492359	8.261225	FALSE	655.86	280	0.03228	0.0000406
5477004175660	547700	4175660	8.266356	8.266356	7.001945	7.001945	FALSE	9.62347321	8.266356	FALSE	639.67	280	0.03228	0.0000406
5477204175660	547720	4175660	8.268614	8.268614	7.147687	7.147687	FALSE	9.82378101	8.268614	FALSE	623.71	280	0.03228	0.0000406
5477404175660	547740	4175660	8.267932	8.267932	7.17364	7.17364	FALSE	9.85945082	8.267932	FALSE	607.99	280	0.03228	0.0000406
5477604175660	547760	4175660	8.263043	8.263043	7.034147	7.034147	FALSE	9.66773164	8.263043	FALSE	592.52	280	0.03228	0.0000406
5477804175660	547780	4175660	8.262899	8.262899	7.091267	7.091267	FALSE	9.74623736	8.262899	FALSE	577.33	280	0.03228	0.0000406
5478004175660	547800	4175660	8.265846	8.265846	7.239298	7.239298	FALSE	9.94969117	8.265846	FALSE	562.45	280	0.03228	0.0000406
5478204175660	547820	4175660	8.269716	8.269716	7.397589	7.397589	FALSE	10.1672463	8.269716	FALSE	547.89	280	0.03228	0.0000406
5478404175660	547840	4175660	8.283463	8.283463	7.84813	7.84813	FALSE	10.7864699	8.283463	FALSE	533.68	280	0.03228	0.0000406
5478604175660	547860	4175660	8.300193	8.300193	8.373577	8.373577	FALSE	11.5086442	8.300193	FALSE	519.85	280	0.03228	0.0000406
5478804175660	547880	4175660	8.327374	8.327374	9.025356	9.025356	FALSE	12.4044493	8.327374	FALSE	506.44	280	0.03228	0.0000406
5479004175660	547900	4175660	8.360139	8.360139	9.767271	9.767271	FALSE	13.4241373	8.360139	FALSE	493.47	280	0.03228	0.0000406
5479204175660	547920	4175660	8.314233	8.314233	8.933714	8.933714	FALSE	12.2784965	8.314233	FALSE	480.98	280	0.03228	0.0000406
5479404175660	547940	4175660	8.293775	8.293775	8.585699	8.585699	FALSE	11.8001847	8.293775	FALSE	469.02	280	0.03228	0.0000406
5479604175660	547960	4175660	8.289594	8.289594	8.682312	8.682312	FALSE	11.9329696	8.289594	FALSE	457.62	280	0.03228	0.0000406
5479804175660	547980	4175660	8.294341	8.294341	9.051975	9.051975	FALSE	12.4410344	8.294341	FALSE	446.82	280	0.03228	0.0000406
5480004175660	548000	4175660	8.301423	8.301423	9.579283	9.579283	FALSE	13.1657666	8.301423	FALSE	436.67	280	0.03228	0.0000406
5480204175660	548020	4175660	8.312442	8.312442	10.19688	10.19688	FALSE	14.0145974	8.312442	FALSE	427.21	280	0.03228	0.0000406
5480404175660	548040	4175660	8.322066	8.322066	10.70829	10.70829	FALSE	14.7174724	8.322066	FALSE	418.50	280	0.03228	0.0000406
5480604175660	548060	4175660	8.329464	8.329464	11.18803	11.18803	FALSE	15.3768216	8.329464	FALSE	410.58	280	0.03228	0.0000406
5480804175660	548080	4175660	8.33856	8.33856	11.77541	11.77541	FALSE	16.1841166	8.33856	FALSE	403.50	280	0.03228	0.0000406
5481004175660	548100	4175660	8.349723	8.349723	12.47792	12.47792	FALSE	17.1496505	8.349723	FALSE	397.30	280	0.03228	0.0000406
5481204175660	548120	4175660	8.360506	8.360506	13.26159	13.26159	FALSE	18.2267238	8.360506	FALSE	392.02	280	0.03228	0.0000406
5481404175660	548140	4175660	8.376042	8.376042	14.3135	14.3135	FALSE	19.6724689	8.376042	FALSE	387.70	280	0.03228	0.0000406
5481604175660	548160	4175660	8.396781	8.396781	15.69739	15.69739	FALSE	21.5744873	8.396781	FALSE	384.38	280	0.03228	0.0000406
5481804175660	548180	4175660	8.420634	8.420634	17.7782	17.7782	FALSE	24.4343622	8.420634	FALSE	382.07	280	0.03228	0.0000406
5482004175660	548200	4175660	8.457743	8.457743	20.88976	20.88976	FALSE	28.7108806	8.457743	FALSE	380.80	280	0.03228	0.0000406
5482204175660	548220	4175660	8.563145	8.563145	27.81202	27.81202	FALSE	38.2248444	8.563145	FALSE	380.59	280	0.03228	0.0000406
5482404175660	548240	4175660	8.771886	8.771886	41.03741	41.03741	FALSE	56.4018149	8.771886	FALSE	381.42	280	0.03228	0.0000406
5482604175660	548260	4175660	8.784518	8.784518	42.058	42.058	FALSE	57.8045179	8.784518	FALSE	383.29	280	0.03228	0.0000406
5482804175660	548280	4175660	8.766902	8.766902	41.41952	41.41952	FALSE	56.9269828	8.766902	FALSE	386.19	280	0.03228	0.0000406
5483004175660	548300	4175660	8.615619	8.615619	32.79255	32.79255	FALSE	45.0700848	8.615619	FALSE	390.10	280	0.03228	0.0000406
5483204175660	548320	4175660	8.555238	8.555238	29.33875	29.33875	FALSE	40.3231835	8.555238	FALSE	394.98	280	0.03228	0.0000406
5483404175660	548340	4175660	8.514885	8.514885	26.76293	26.76293	FALSE	36.7829655	8.514885	FALSE	400.81	280	0.03228	0.0000406
5483604175660	548360	4175660	8.478694	8.478694	24.39567	24.39567	FALSE	33.5294061	8.478694	FALSE	407.53	280	0.03228	0.0000406
5483804175660	548380	4175660	8.455617	8.455617	22.80069	22.80069	FALSE	31.3372738	8.455617	FALSE	415.10	280	0.03228	0.0000406
5484004175660	548400	4175660	8.434815	8.434815	21.41177	21.41177	FALSE	29.4283408	8.434815	FALSE	423.49	280	0.03228	0.0000406
5484204175660	548420	4175660	8.417032	8.417032	20.12098	20.12098	FALSE	27.654279	8.417032	FALSE	432.64	280	0.03228	0.0000406
5484404175660	548440	4175660	8.394164	8.394164	18.41436	18.41436	FALSE	25.3086991	8.394164	FALSE	442.51	280	0.03228	0.0000406
5484604175660	548460	4175660	8.369302	8.369302	16.50338	16.50338	FALSE	22.682251	8.369302	FALSE	453.04	280	0.03228	0.0000406
5484804175660	548480	4175660	8.347578	8.347578	14.95761	14.95761	FALSE	20.5577392	8.347578	FALSE	464.20	280	0.03228	0.0000406
5485004175660	548500	4175660	8.334833	8.334833	13.87731	13.87731	FALSE	19.0729694	8.334833	FALSE	475.93	280	0.03228	0.0000406
5485204175660	548520	4175660	8.328811	8.328811	13.17003	13.17003	FALSE	18.1008851	8.328811	FALSE	488.21	280	0.03228	0.0000406
5485404175660	548540	4175660	8.336779	8.336779	12.99443	12.99443	FALSE	17.8595473	8.336779	FALSE	500.98	280	0.03228	0.0000406
5485604175660	548560	4175660	8.354967	8.354967	13.28267	13.28267	FALSE	18.2557044	8.354967	FALSE	514.21	280	0.03228	0.0000406
5485804175660	548580	4175660	8.385747	8.385747	14.12037	14.12037	FALSE	19.4070297	8.385747	FALSE	527.87	280	0.03228	0.0000406
5486004175660	548600	4175660	8.40698	8.40698	14.72115	14.72115	FALSE	20.2327541	8.40698	FALSE	541.92	280	0.03228	0.0000406
5486204175660	548620	4175660	8.423773	8.423773	15.2512	15.2512	FALSE	20.9612493	8.423773	FALSE	556.34	280	0.03228	0.0000406
5486404175660	548640	4175660	8.434358	8.434358	15.66469	15.66469	FALSE	21.5295541	8.434358	FALSE	571.09	280	0.03228	0.0000406
5486604175660	548660	4175660	8.452742	8.452742	16.39163	16.39163	FALSE	22.5286521	8.452742	FALSE	586.16	280	0.03228	0.0000406
5486804175660	548680	4175660	8.474279	8.474279	17.13641	17.13641	TRUE	23.5522778	8.474279	TRUE	601.51	280	0.03228	0.0000406
5487004175660	548700	4175660	8.503214	8.503214	18.04901	18.04901	TRUE	24.8065621	8.503214	TRUE	617.13	280	0.03228	0.0000406
5487204175660	548720	4175660	8.549598	8.549598	19.51975	19.51975	TRUE	26.8279403	8.549598	TRUE	632.99	280	0.03228	0.0000406
5487404175660	548740	4175660	8.607116	8.607116	21.25516	21.25516	TRUE	29.2130919	8.607116	TRUE	649.08	280	0.03228	0.0000406
5487604175660	548760	4175660	8.680305	8.680305	23.43323	23.43323	TRUE	32.2066327	8.680305	TRUE	665.39	280	0.03228	0.0000406
5487804175660	548780	4175660	8.797076	8.797076	26.87682	26.87682	FALSE	36.9394945	8.797076	FALSE	681.89	280	0.03228	0.0000406
5488004175660	548800	4175660	8.954898	8.954898	31.46231	31.46231	TRUE	43.241803	8.954898	TRUE	698.58	280	0.03228	0.0000406
5488204175660	548820	4175660	9.186862	9.186862	38.33403	38.33403	TRUE	52.6862867	9.186862	TRUE	715.43	280	0.03228	0.0000406
5488404175660	548840	4175660	9.632443	9.632443	52.6374	52.6374	TRUE	72.3448384	9.632443	TRUE	732.45	280	0.03228	0.0000406
5488604175660	548860	4175660	10.56935	10.56935	73.57413	73.57413	FALSE	101.120288	10.569346	FALSE	749.61	280	0.03228	0.0000406
5488804175660	548880	4175660	11.32131	11.32131	91.45618	91.45618	FALSE	125.697377	11.321312	FALSE	766.91	280	0.03228	0.0000406
5489004175660	548900	4175660	10.05243	10.05243	58.36252	58.36252	FALSE	80.2134447	10.052427	FALSE	784.33	280	0.03228	0.0000406
5489204175660	548920	4175660	10.17322	10.17322	61.09077	61.09077	TRUE	83.9631502	10.173219	TRUE	801.88	280	0.03228	0.0000406
5489404175660	548940	4175660	9.647886	9.647886	47.32139	47.32139	TRUE	65.038517	9.647886	TRUE	819.54	280	0.03228	0.0000406
5489604175660	548960	4175660	9.361172	9.361172	39.78655	39.78655	TRUE	54.6826329	9.361172	TRUE	837.30	280	0.03228	0.0000406
5489804175660	548980	4175660	9.17024	9.17024	34.77795	34.77795	TRUE	47.7988145	9.17024	TRUE	855.17	280	0.03228	0.0000406
5490004175660	549000	4175660	9.039234	9.039234	31.35131	31.35131	TRUE	43.0892446	9.039234	TRUE	873.12	280	0.03228	0.0000406
5490204175660	549020	4175660	8.94839	8.94839	28.90367	28.90367	TRUE	39.7252027	8.94839	TRUE	891.17	280	0.03228	0.0000406
5490404175660	549040	4175660	8.879064	8.879064	27.08673	27.08673	FALSE	37.2280031	8.879064	FALSE	909.29	280	0.03228	0.0000406
5490604175660	549060	4175660	8.827795	8.827795	25.79985	25.79985	TRUE	35.4593083	8.827795	TRUE	927.49	280	0.03228	0.0000406
5490804175660	549080	4175660	8.788929	8.788929	24.76215	24.76215	TRUE	34.0330976	8.788929	TRUE	945.77	280	0.03228	0.0000406
5491004175660	549100	4175660	8.759323	8.759323	24.00204	24.00204	TRUE	32.9883969	8.759323	TRUE	964.11	280	0.03228	0.0000406
5491204175660	549120	4175660	8.733055	8.733055	23.38758	23.38758	TRUE	32.1438954	8.733055	TRUE	982.52	280	0.03228	0.0000406
5469404175680	546940	4175680	8.419088	8.419088	12.89133	12.89133	FALSE	17.7178494	8.419088	FALSE	1335.64	280	0.03228	0.0000406
5469604175680	546960	4175680	8.499469	8.499469	15.97511	15.97511	FALSE	21.9561857	8.499469	FALSE	1316.58	280	0.03228	0.0000406
5469804175680	546980	4175680	8.663706	8.663706	22.45191	22.45191	FALSE	30.8579065	8.663706	FALSE	1297.54	280	0.03228	0.0000406
5470004175680	547000	4175680	8.93038	8.93038	32.0242	32.0242	FALSE	44.0140646	8.93038	FALSE	1278.53	280	0.03228	0.0000406
5470204175680	547020	4175680	8.80822	8.80822	30.05307	30.05307	FALSE	41.3049449	8.80822	FALSE	1259.55	280	0.03228	0.0000406
5470404175680	547040	4175680	8.542147	8.542147	18.52007	18.52007	FALSE	25.4539856	8.542147	FALSE	1240.61	280	0.03228	0.0000406
5470604175680	547060	4175680	8.444503	8.444503	14.36566	14.36566	FALSE	19.7441631	8.444503	FALSE	1221.69	280	0.03228	0.0000406
5470804175680	547080	4175680	8.399822	8.399822	12.50005	12.50005	FALSE	17.1800632	8.399822	FALSE	1202.82	280	0.03228	0.0000406
5471004175680	547100	4175680	8.366501	8.366501	11.07884	11.07884	FALSE	15.2267591	8.366501	FALSE	1183.98	280	0.03228	0.0000406
5471204175680	547120	4175680	8.344438	8.344438	10.13355	10.13355	FALSE	13.9275552	8.344438	FALSE	1165.18	280	0.03228	0.0000406

5471404175680	547140	4175680	8.327412	8.327412	9.400474	9.400474	FALSE	12.9200115	8.327412	FALSE	1146.42	280	0.03228	0.0000406
5471604175680	547160	4175680	8.31719	8.31719	8.952467	8.952467	FALSE	12.3042706	8.31719	FALSE	1127.70	280	0.03228	0.0000406
5471804175680	547180	4175680	8.318597	8.318597	8.83233	8.83233	FALSE	12.1391544	8.318597	FALSE	1109.02	280	0.03228	0.0000406
5472004175680	547200	4175680	8.315286	8.315286	8.59702	8.59702	FALSE	11.8157443	8.315286	FALSE	1090.40	280	0.03228	0.0000406
5472204175680	547220	4175680	8.316272	8.316272	8.425728	8.425728	FALSE	11.5803206	8.316272	FALSE	1071.82	280	0.03228	0.0000406
5472404175680	547240	4175680	8.310715	8.310715	8.121677	8.121677	FALSE	11.1624329	8.310715	FALSE	1053.30	280	0.03228	0.0000406
5472604175680	547260	4175680	8.309674	8.309674	8.09643	8.09643	FALSE	11.1277334	8.309674	FALSE	1034.83	280	0.03228	0.0000406
5472804175680	547280	4175680	8.2949	8.2949	7.493588	7.493588	FALSE	10.2991873	8.2949	FALSE	1016.42	280	0.03228	0.0000406
5473004175680	547300	4175680	8.273847	8.273847	6.793338	6.793338	FALSE	9.33676375	8.273847	FALSE	998.07	280	0.03228	0.0000406
5473204175680	547320	4175680	8.257412	8.257412	6.1667	6.1667	FALSE	8.47551248	8.257412	FALSE	979.78	280	0.03228	0.0000406
5473404175680	547340	4175680	8.245207	8.245207	5.820189	5.820189	FALSE	7.99926776	8.245207	FALSE	961.56	280	0.03228	0.0000406
5473604175680	547360	4175680	8.236612	8.236612	5.563628	5.563628	FALSE	7.64665032	8.236612	FALSE	943.42	280	0.03228	0.0000406
5473804175680	547380	4175680	8.236223	8.236223	5.561791	5.561791	FALSE	7.64412555	8.236223	FALSE	925.35	280	0.03228	0.0000406
5474004175680	547400	4175680	8.232129	8.232129	5.441156	5.441156	FALSE	7.47832481	8.232129	FALSE	907.36	280	0.03228	0.0000406
5474204175680	547420	4175680	8.226122	8.226122	5.234906	5.234906	FALSE	7.19485481	8.226122	FALSE	889.46	280	0.03228	0.0000406
5474404175680	547440	4175680	8.219048	8.219048	4.988006	4.988006	FALSE	6.85551545	8.219048	FALSE	871.65	280	0.03228	0.0000406
5474604175680	547460	4175680	8.220313	8.220313	5.050902	5.050902	FALSE	6.94195971	8.220313	FALSE	853.93	280	0.03228	0.0000406
5474804175680	547480	4175680	8.225794	8.225794	5.275618	5.275618	FALSE	7.25080938	8.225794	FALSE	836.32	280	0.03228	0.0000406
5475004175680	547500	4175680	8.233974	8.233974	5.586729	5.586729	FALSE	7.67840034	8.233974	FALSE	818.82	280	0.03228	0.0000406
5475204175680	547520	4175680	8.235595	8.235595	5.608017	5.608017	FALSE	7.70765856	8.235595	FALSE	801.44	280	0.03228	0.0000406
5475404175680	547540	4175680	8.238752	8.238752	5.653343	5.653343	FALSE	7.76995462	8.238752	FALSE	784.18	280	0.03228	0.0000406
5475604175680	547560	4175680	8.245866	8.245866	5.789162	5.789162	FALSE	7.95662425	8.245866	FALSE	767.05	280	0.03228	0.0000406
5475804175680	547580	4175680	8.265756	8.265756	6.236404	6.236404	FALSE	8.57131366	8.265756	FALSE	750.07	280	0.03228	0.0000406
5476004175680	547600	4175680	8.308614	8.308614	7.084854	7.084854	FALSE	9.73742334	8.308614	FALSE	733.24	280	0.03228	0.0000406
5476204175680	547620	4175680	8.265967	8.265967	6.394521	6.394521	FALSE	8.78862966	8.265967	FALSE	716.57	280	0.03228	0.0000406
5476404175680	547640	4175680	8.254578	8.254578	6.20406	6.20406	FALSE	8.52686006	8.254578	FALSE	700.07	280	0.03228	0.0000406
5476604175680	547660	4175680	8.249666	8.249666	6.158823	6.158823	FALSE	8.46468633	8.249666	FALSE	683.77	280	0.03228	0.0000406
5476804175680	547680	4175680	8.250626	8.250626	6.297754	6.297754	FALSE	8.6556331	8.250626	FALSE	667.66	280	0.03228	0.0000406
5477004175680	547700	4175680	8.255822	8.255822	6.584731	6.584731	FALSE	9.05005429	8.255822	FALSE	651.77	280	0.03228	0.0000406
5477204175680	547720	4175680	8.258515	8.258515	6.75261	6.75261	FALSE	9.28078718	8.258515	FALSE	636.11	280	0.03228	0.0000406
5477404175680	547740	4175680	8.258457	8.258457	6.803716	6.803716	FALSE	9.35102727	8.258457	FALSE	620.70	280	0.03228	0.0000406
5477604175680	547760	4175680	8.256514	8.256514	6.769762	6.769762	FALSE	9.30436089	8.256514	FALSE	605.56	280	0.03228	0.0000406
5477804175680	547780	4175680	8.258612	8.258612	6.908238	6.908238	FALSE	9.49468231	8.258612	FALSE	590.71	280	0.03228	0.0000406
5478004175680	547800	4175680	8.262539	8.262539	7.090375	7.090375	FALSE	9.7450114	8.262539	FALSE	576.17	280	0.03228	0.0000406
5478204175680	547820	4175680	8.268428	8.268428	7.321808	7.321808	FALSE	10.0630929	8.268428	FALSE	561.96	280	0.03228	0.0000406
5478404175680	547840	4175680	8.281939	8.281939	7.756712	7.756712	FALSE	10.660825	8.281939	FALSE	548.12	280	0.03228	0.0000406
5478604175680	547860	4175680	8.296404	8.296404	8.187418	8.187418	FALSE	11.2527873	8.296404	FALSE	534.67	280	0.03228	0.0000406
5478804175680	547880	4175680	8.324834	8.324834	8.811995	8.811995	FALSE	12.1112059	8.324834	FALSE	521.63	280	0.03228	0.0000406
5479004175680	547900	4175680	8.363396	8.363396	9.622779	9.622779	FALSE	13.2255475	8.363396	FALSE	509.05	280	0.03228	0.0000406
5479204175680	547920	4175680	8.300493	8.300493	8.431839	8.431839	FALSE	11.5887195	8.300493	FALSE	496.96	280	0.03228	0.0000406
5479404175680	547940	4175680	8.28372	8.28372	8.166679	8.166679	FALSE	11.2242836	8.28372	FALSE	485.39	280	0.03228	0.0000406
5479604175680	547960	4175680	8.280006	8.280006	8.275239	8.275239	FALSE	11.3734885	8.280006	FALSE	474.38	280	0.03228	0.0000406
5479804175680	547980	4175680	8.284583	8.284583	8.629707	8.629707	FALSE	11.8606693	8.284583	FALSE	463.97	280	0.03228	0.0000406
5480004175680	548000	4175680	8.290815	8.290815	9.128403	9.128403	FALSE	12.5460771	8.290815	FALSE	454.20	280	0.03228	0.0000406
5480204175680	548020	4175680	8.302721	8.302721	9.836332	9.836332	FALSE	13.5190547	8.302721	FALSE	445.12	280	0.03228	0.0000406
5480404175680	548040	4175680	8.313976	8.313976	10.45765	10.45765	FALSE	14.3729997	8.313976	FALSE	436.77	280	0.03228	0.0000406
5480604175680	548060	4175680	8.322481	8.322481	10.95887	10.95887	FALSE	15.0618737	8.322481	FALSE	429.19	280	0.03228	0.0000406
5480804175680	548080	4175680	8.332259	8.332259	11.55659	11.55659	FALSE	15.88338	8.332259	FALSE	422.41	280	0.03228	0.0000406
5481004175680	548100	4175680	8.343872	8.343872	12.26343	12.26343	FALSE	16.8548541	8.343872	FALSE	416.49	280	0.03228	0.0000406
5481204175680	548120	4175680	8.354871	8.354871	13.05056	13.05056	FALSE	17.936691	8.354871	FALSE	411.46	280	0.03228	0.0000406
5481404175680	548140	4175680	8.37012	8.37012	14.09757	14.09757	FALSE	19.3756947	8.37012	FALSE	407.35	280	0.03228	0.0000406
5481604175680	548160	4175680	8.390495	8.390495	15.49207	15.49207	FALSE	21.2922983	8.390495	FALSE	404.19	280	0.03228	0.0000406
5481804175680	548180	4175680	8.415733	8.415733	17.70802	17.70802	FALSE	24.3378999	8.415733	FALSE	402.00	280	0.03228	0.0000406
5482004175680	548200	4175680	8.459978	8.459978	21.27345	21.27345	FALSE	29.2382269	8.459978	FALSE	400.79	280	0.03228	0.0000406
5482204175680	548220	4175680	8.557576	8.557576	27.65674	27.65674	FALSE	38.011429	8.557576	FALSE	400.58	280	0.03228	0.0000406
5482404175680	548240	4175680	8.752539	8.752539	39.92749	39.92749	FALSE	54.8763395	8.752539	FALSE	401.37	280	0.03228	0.0000406
5482604175680	548260	4175680	9.131841	9.131841	62.95811	62.95811	FALSE	86.5296223	9.131841	FALSE	403.15	280	0.03228	0.0000406
5482804175680	548280	4175680	8.746857	8.746857	39.76492	39.76492	FALSE	54.652906	8.746857	FALSE	405.92	280	0.03228	0.0000406
5483004175680	548300	4175680	8.585111	8.585111	30.12979	30.12979	FALSE	41.4103889	8.585111	FALSE	409.63	280	0.03228	0.0000406
5483204175680	548320	4175680	8.512954	8.512954	25.76757	25.76757	FALSE	35.4149537	8.512954	FALSE	414.29	280	0.03228	0.0000406
5483404175680	548340	4175680	8.467629	8.467629	22.96954	22.96954	FALSE	31.5693289	8.467629	FALSE	419.84	280	0.03228	0.0000406
5483604175680	548360	4175680	8.433289	8.433289	20.83937	20.83937	FALSE	28.6416233	8.433289	FALSE	426.26	280	0.03228	0.0000406
5483804175680	548380	4175680	8.411638	8.411638	19.38032	19.38032	FALSE	26.6363049	8.411638	FALSE	433.51	280	0.03228	0.0000406
5484004175680	548400	4175680	8.392059	8.392059	18.05348	18.05348	FALSE	24.8127043	8.392059	FALSE	441.55	280	0.03228	0.0000406
5484204175680	548420	4175680	8.374589	8.374589	16.89673	16.89673	FALSE	23.2228698	8.374589	FALSE	450.33	280	0.03228	0.0000406
5484404175680	548440	4175680	8.358727	8.358727	15.82946	15.82946	FALSE	21.7560126	8.358727	FALSE	459.82	280	0.03228	0.0000406
5484604175680	548460	4175680	8.34505	8.34505	14.84472	14.84472	FALSE	20.4025804	8.34505	FALSE	469.96	280	0.03228	0.0000406
5484804175680	548480	4175680	8.331772	8.331772	13.92663	13.92663	FALSE	19.1407603	8.331772	FALSE	480.73	280	0.03228	0.0000406
5485004175680	548500	4175680	8.323902	8.323902	13.22439	13.22439	FALSE	18.1755989	8.323902	FALSE	492.07	280	0.03228	0.0000406
5485204175680	548520	4175680	8.320097	8.320097	12.7167	12.7167	FALSE	17.4778284	8.320097	FALSE	503.95	280	0.03228	0.0000406
5485404175680	548540	4175680	8.329251	8.329251	12.64325	12.64325	FALSE	17.3768828	8.329251	FALSE	516.33	280	0.03228	0.0000406
5485604175680	548560	4175680	8.346694	8.346694	12.94572	12.94572	FALSE	17.7925976	8.346694	FALSE	529.18	280	0.03228	0.0000406
5485804175680	548580	4175680	8.373308	8.373308	13.65957	13.65957	FALSE	18.7737075	8.373308	FALSE	542.46	280	0.03228	0.0000406
5486004175680	548600	4175680	8.39252	8.39252	14.18736	14.18736	FALSE	19.4991131	8.39252	FALSE	556.15	280	0.03228	0.0000406
5486204175680	548620	4175680	8.405156	8.405156	14.53328	14.53328	FALSE	19.9745414	8.405156	FALSE	570.20	280	0.03228	0.0000406
5486404175680	548640	4175680	8.408731	8.408731	14.59246	14.59246	FALSE	20.0558825	8.408731	FALSE	584.61	280	0.03228	0.0000406
5486604175680	548660	4175680	8.412001	8.412001	14.64744	14.64744	FALSE	20.1314347	8.412001	FALSE	599.33	280	0.03228	0.0000406
5486804175680	548680	4175680	8.415522	8.415522	14.67608	14.67608	FALSE	20.1708016	8.415522	FALSE	614.36	280	0.03228	0.0000406
5487004175680	548700	4175680	8.421581	8.421581	14.76528	14.76528	TRUE	20.2933995	8.421581	TRUE	629.66	280	0.03228	0.0000406
5487204175680	548720	4175680	8.453436	8.453436	15.74015	15.74015	TRUE	21.633258	8.453436	TRUE	645.21	280	0.03228	0.0000406
5487404175680	548740	4175680	8.497393	8.497393	17.06378	17.06378	TRUE	23.4524647	8.497393	TRUE	661.01	280	0.03228	0.0000406
5487604175680	548760	4175680	8.559848	8.559848	18.96807	18.96807	TRUE	26.0697195	8.559848	TRUE	677.03	280	0.03228	0.0000406
5487804175680	548780	4175680	8.657231	8.657231	21.92433	21.92433	TRUE	30.1328005	8.657231	TRUE	693.25	280	0.03228	0.0000406
5488004175680	548800	4175680	8.771913	8.771913	25.3248	25.3248	TRUE	34.8064092	8.771913	TRUE	709.67	280	0.03228	0.0000406
5488204175680	548820	4175680	8.909726	8.909726	29.44626	29.44626	TRUE	40.4709329	8.909726	TRUE	726.27	280	0.03228	0.0000406
5488404175680	548840	4175680	9.161772	9.161772	37.86364	37.86364	TRUE	52.0397854	9.161772	TRUE	743.03	280	0.03228	0.0000406
5488604175680	548860	4175680	9.679978	9.679978	51.45242	51.45242	TRUE	70.7162088	9.679978	TRUE	759.96	280	0.03228	0.0000406
5488804175680	548880	4175680	9.88879	9.88879	54.81597	54.81597	FALSE	75.3390678	9.88879	FALSE	777.02	280	0.03228	0.0000406
5489004175680	548900	4175680	11.15682	11.15682	86.8916	86.8916	FALSE	119.423821	11.156819	FALSE	794.23	280	0.03228	0.0000406
5489204175680	548920	4175680	9.972399	9.972399	56.04749	56.04749	FALSE	77.0316716	9.972399	FALSE	811.56	280	0.03228	0.0000406
5489404175680	548940	4175680	10.08411	10.08411	58.6042	58.6042	FALSE	80.5456097	10.084113	FALSE	829.01	280	0.03228	0.0000406
5489604175680	548960	4175680	9.587703	9.587703	45.70776	45.70776	TRUE	62.8207481	9.587703	TRUE	846.58	280	0.03228	0.0000406
5489804175680	548980	4175680	9.307859	9.307859	38.42896	38.42896	FALSE	52.816764	9.307859	FALSE	864.25	280	0.03228	0.0000406
5490004175680	549000	4175680	9.138154	9.138154	34.00377	34.00377	TRUE	46.7347746	9.138154	TRUE	882.02	280	0.03228	0.0000406

5490204175680	549020	4175680	9.025602	9.025602	30.98856	30.98856	TRUE	42.5906755	9.025602	TRUE	899.89	280	0.03228	0.0000406
5490404175680	549040	4175680	8.94053	8.94053	28.75452	28.75452	FALSE	39.520215	8.94053	FALSE	917.84	280	0.03228	0.0000406
5490604175680	549060	4175680	8.876954	8.876954	27.13682	27.13682	TRUE	37.2968385	8.876954	TRUE	935.88	280	0.03228	0.0000406
5490804175680	549080	4175680	8.82916	8.82916	25.87467	25.87467	TRUE	35.5621396	8.82916	TRUE	953.99	280	0.03228	0.0000406
5491004175680	549100	4175680	8.793661	8.793661	24.9843	24.9843	TRUE	34.338426	8.793661	TRUE	972.18	280	0.03228	0.0000406
5491204175680	549120	4175680	8.764915	8.764915	24.35302	24.35302	TRUE	33.4707879	8.764915	TRUE	990.44	280	0.03228	0.0000406
5469404175700	546940	4175700	8.449328	8.449328	14.38937	14.38937	FALSE	19.7767501	8.449328	FALSE	1341.77	280	0.03228	0.0000406
5469604175700	546960	4175700	8.573281	8.573281	19.49159	19.49159	FALSE	26.7892399	8.573281	FALSE	1322.80	280	0.03228	0.0000406
5469804175700	546980	4175700	8.817739	8.817739	28.85741	28.85741	FALSE	39.6616284	8.817739	FALSE	1303.85	280	0.03228	0.0000406
5470004175700	547000	4175700	8.741362	8.741362	24.50408	24.50408	FALSE	33.6784089	8.741362	FALSE	1284.94	280	0.03228	0.0000406
5470204175700	547020	4175700	8.579157	8.579157	18.30287	18.30287	FALSE	25.1554645	8.579157	FALSE	1266.05	280	0.03228	0.0000406
5470404175700	547040	4175700	8.448531	8.448531	13.8262	13.8262	FALSE	19.002732	8.448531	FALSE	1247.21	280	0.03228	0.0000406
5470604175700	547060	4175700	8.388092	8.388092	11.59568	11.59568	FALSE	15.9371053	8.388092	FALSE	1228.40	280	0.03228	0.0000406
5470804175700	547080	4175700	8.352038	8.352038	10.23042	10.23042	FALSE	14.0606934	8.352038	FALSE	1209.62	280	0.03228	0.0000406
5471004175700	547100	4175700	8.332404	8.332404	9.499427	9.499427	FALSE	13.0560125	8.332404	FALSE	1190.89	280	0.03228	0.0000406
5471204175700	547120	4175700	8.318846	8.318846	8.979764	8.979764	FALSE	12.3417876	8.318846	FALSE	1172.20	280	0.03228	0.0000406
5471404175700	547140	4175700	8.308335	8.308335	8.564927	8.564927	FALSE	11.7716357	8.308335	FALSE	1153.56	280	0.03228	0.0000406
5471604175700	547160	4175700	8.30008	8.30008	8.214569	8.214569	FALSE	11.2901036	8.30008	FALSE	1134.96	280	0.03228	0.0000406
5471804175700	547180	4175700	8.302441	8.302441	8.149903	8.149903	FALSE	11.2012267	8.302441	FALSE	1116.40	280	0.03228	0.0000406
5472004175700	547200	4175700	8.29949	8.29949	7.948997	7.948997	FALSE	10.9251015	8.29949	FALSE	1097.90	280	0.03228	0.0000406
5472204175700	547220	4175700	8.293851	8.293851	7.550748	7.550748	FALSE	10.3777481	8.293851	FALSE	1079.46	280	0.03228	0.0000406
5472404175700	547240	4175700	8.300281	8.300281	7.449641	7.449641	FALSE	10.2387866	8.300281	FALSE	1061.06	280	0.03228	0.0000406
5472604175700	547260	4175700	8.303783	8.303783	7.561728	7.561728	FALSE	10.392839	8.303783	FALSE	1042.73	280	0.03228	0.0000406
5472804175700	547280	4175700	8.289539	8.289539	7.057144	7.057144	FALSE	9.69933871	8.289539	FALSE	1024.46	280	0.03228	0.0000406
5473004175700	547300	4175700	8.28149	8.28149	6.626005	6.626005	FALSE	9.10678127	8.28149	FALSE	1006.26	280	0.03228	0.0000406
5473204175700	547320	4175700	8.245756	8.245756	5.688054	5.688054	FALSE	7.81766142	8.245756	FALSE	988.12	280	0.03228	0.0000406
5473404175700	547340	4175700	8.233479	8.233479	5.327898	5.327898	FALSE	7.32266301	8.233479	FALSE	970.06	280	0.03228	0.0000406
5473604175700	547360	4175700	8.224138	8.224138	5.044045	5.044045	FALSE	6.93253545	8.224138	FALSE	952.08	280	0.03228	0.0000406
5473804175700	547380	4175700	8.222155	8.222155	4.994521	4.994521	FALSE	6.86446966	8.222155	FALSE	934.18	280	0.03228	0.0000406
5474004175700	547400	4175700	8.218367	8.218367	4.888845	4.888845	FALSE	6.71922857	8.218367	FALSE	916.36	280	0.03228	0.0000406
5474204175700	547420	4175700	8.21339	8.21339	4.730445	4.730445	FALSE	6.50152361	8.21339	FALSE	898.64	280	0.03228	0.0000406
5474404175700	547440	4175700	8.208119	8.208119	4.56341	4.56341	FALSE	6.2719507	8.208119	FALSE	881.02	280	0.03228	0.0000406
5474604175700	547460	4175700	8.207803	8.207803	4.563236	4.563236	FALSE	6.27171156	8.207803	FALSE	863.50	280	0.03228	0.0000406
5474804175700	547480	4175700	8.212395	8.212395	4.735696	4.735696	FALSE	6.50874058	8.212395	FALSE	846.08	280	0.03228	0.0000406
5475004175700	547500	4175700	8.220584	8.220584	5.025918	5.025918	FALSE	6.9076217	8.220584	FALSE	828.79	280	0.03228	0.0000406
5475204175700	547520	4175700	8.223882	8.223882	5.115889	5.115889	FALSE	7.03127784	8.223882	FALSE	811.62	280	0.03228	0.0000406
5475404175700	547540	4175700	8.227574	8.227574	5.189022	5.189022	FALSE	7.13179184	8.227574	FALSE	794.58	280	0.03228	0.0000406
5475604175700	547560	4175700	8.233763	8.233763	5.307899	5.307899	FALSE	7.29517639	8.233763	FALSE	777.68	280	0.03228	0.0000406
5475804175700	547580	4175700	8.253354	8.253354	5.77772	5.77772	FALSE	7.94089837	8.253354	FALSE	760.94	280	0.03228	0.0000406
5476004175700	547600	4175700	8.287685	8.287685	6.495572	6.495572	FALSE	8.92751416	8.287685	FALSE	744.35	280	0.03228	0.0000406
5476204175700	547620	4175700	8.259225	8.259225	6.091724	6.091724	FALSE	8.37246547	8.259225	FALSE	727.94	280	0.03228	0.0000406
5476404175700	547640	4175700	8.247018	8.247018	5.879752	5.879752	FALSE	8.08113115	8.247018	FALSE	711.70	280	0.03228	0.0000406
5476604175700	547660	4175700	8.241753	8.241753	5.825151	5.825151	FALSE	8.00608753	8.241753	FALSE	695.67	280	0.03228	0.0000406
5476804175700	547680	4175700	8.242238	8.242238	5.948487	5.948487	FALSE	8.17560053	8.242238	FALSE	679.85	280	0.03228	0.0000406
5477004175700	547700	4175700	8.24554	8.24554	6.165441	6.165441	FALSE	8.47378211	8.24554	FALSE	664.25	280	0.03228	0.0000406
5477204175700	547720	4175700	8.248223	8.248223	6.337256	6.337256	FALSE	8.70992465	8.248223	FALSE	648.89	280	0.03228	0.0000406
5477404175700	547740	4175700	8.249555	8.249555	6.443408	6.443408	FALSE	8.85581996	8.249555	FALSE	633.79	280	0.03228	0.0000406
5477604175700	547760	4175700	8.250768	8.250768	6.531104	6.531104	FALSE	8.97634934	8.250768	FALSE	618.97	280	0.03228	0.0000406
5477804175700	547780	4175700	8.25447	8.25447	6.728695	6.728695	FALSE	9.24791841	8.25447	FALSE	604.45	280	0.03228	0.0000406
5478004175700	547800	4175700	8.258414	8.258414	6.908795	6.908795	FALSE	9.49544785	8.258414	FALSE	590.25	280	0.03228	0.0000406
5478204175700	547820	4175700	8.26602	8.26602	7.204904	7.204904	FALSE	9.90242006	8.26602	FALSE	576.39	280	0.03228	0.0000406
5478404175700	547840	4175700	8.278725	8.278725	7.605512	7.605512	FALSE	10.4530157	8.278725	FALSE	562.90	280	0.03228	0.0000406
5478604175700	547860	4175700	8.29	8.29	7.896748	7.896748	FALSE	10.8532905	8.29	FALSE	549.81	280	0.03228	0.0000406
5478804175700	547880	4175700	8.31827	8.31827	8.462611	8.462611	FALSE	11.6310126	8.31827	FALSE	537.14	280	0.03228	0.0000406
5479004175700	547900	4175700	8.335007	8.335007	8.831948	8.831948	FALSE	12.1386293	8.335007	FALSE	524.93	280	0.03228	0.0000406
5479204175700	547920	4175700	8.29165	8.29165	8.059756	8.059756	FALSE	11.0773286	8.29165	FALSE	513.21	280	0.03228	0.0000406
5479404175700	547940	4175700	8.279919	8.279919	7.98742	7.98742	FALSE	10.97791	8.279919	FALSE	502.02	280	0.03228	0.0000406
5479604175700	547960	4175700	8.278321	8.278321	8.187894	8.187894	FALSE	11.2534415	8.278321	FALSE	491.38	280	0.03228	0.0000406
5479804175700	547980	4175700	8.28245	8.28245	8.524918	8.524918	FALSE	11.7166473	8.28245	FALSE	481.34	280	0.03228	0.0000406
5480004175700	548000	4175700	8.28597	8.28597	8.90749	8.90749	FALSE	12.2424543	8.28597	FALSE	471.93	280	0.03228	0.0000406
5480204175700	548020	4175700	8.294717	8.294717	9.492281	9.492281	FALSE	13.046191	8.294717	FALSE	463.20	280	0.03228	0.0000406
5480404175700	548040	4175700	8.305223	8.305223	10.1504	10.1504	FALSE	13.9507043	8.305223	FALSE	455.18	280	0.03228	0.0000406
5480604175700	548060	4175700	8.314962	8.314962	10.74852	10.74852	FALSE	14.77277	8.314962	FALSE	447.91	280	0.03228	0.0000406
5480804175700	548080	4175700	8.325125	8.325125	11.35661	11.35661	FALSE	15.6085179	8.325125	FALSE	441.42	280	0.03228	0.0000406
5481004175700	548100	4175700	8.336935	8.336935	12.04327	12.04327	FALSE	16.5522703	8.336935	FALSE	435.76	280	0.03228	0.0000406
5481204175700	548120	4175700	8.34824	8.34824	12.83161	12.83161	FALSE	17.6357703	8.34824	FALSE	430.96	280	0.03228	0.0000406
5481404175700	548140	4175700	8.363618	8.363618	13.89457	13.89457	FALSE	19.096697	8.363618	FALSE	427.03	280	0.03228	0.0000406
5481604175700	548160	4175700	8.384718	8.384718	15.37298	15.37298	FALSE	21.1286265	8.384718	FALSE	424.02	280	0.03228	0.0000406
5481804175700	548180	4175700	8.41684	8.41684	18.06467	18.06467	FALSE	24.8280866	8.41684	FALSE	421.93	280	0.03228	0.0000406
5482004175700	548200	4175700	8.458486	8.458486	21.50042	21.50042	FALSE	29.5501827	8.458486	FALSE	420.78	280	0.03228	0.0000406
5482204175700	548220	4175700	8.534966	8.534966	26.48144	26.48144	FALSE	36.3960925	8.534966	FALSE	420.58	280	0.03228	0.0000406
5482404175700	548240	4175700	8.735887	8.735887	38.95472	38.95472	FALSE	53.5393658	8.735887	FALSE	421.33	280	0.03228	0.0000406
5482604175700	548260	4175700	8.761962	8.761962	40.46283	40.46283	FALSE	55.6121067	8.761962	FALSE	423.03	280	0.03228	0.0000406
5482804175700	548280	4175700	8.744875	8.744875	39.47883	39.47883	FALSE	54.2597053	8.744875	FALSE	425.66	280	0.03228	0.0000406
5483004175700	548300	4175700	8.578109	8.578109	29.40475	29.40475	FALSE	40.4138911	8.578109	FALSE	429.21	280	0.03228	0.0000406
5483204175700	548320	4175700	8.496197	8.496197	24.44037	24.44037	FALSE	33.5908459	8.496197	FALSE	433.65	280	0.03228	0.0000406
5483404175700	548340	4175700	8.4449	8.4449	21.37003	21.37003	FALSE	29.370972	8.4449	FALSE	438.96	280	0.03228	0.0000406
5483604175700	548360	4175700	8.409412	8.409412	19.22071	19.22071	FALSE	26.4169493	8.409412	FALSE	445.11	280	0.03228	0.0000406
5483804175700	548380	4175700	8.38726	8.38726	17.79752	17.79752	FALSE	24.4609129	8.38726	FALSE	452.06	280	0.03228	0.0000406
5484004175700	548400	4175700	8.369031	8.369031	16.62979	16.62979	FALSE	22.8559793	8.369031	FALSE	459.77	280	0.03228	0.0000406
5484204175700	548420	4175700	8.351493	8.351493	15.53749	15.53749	FALSE	21.3547221	8.351493	FALSE	468.21	280	0.03228	0.0000406
5484404175700	548440	4175700	8.337352	8.337352	14.63178	14.63178	FALSE	20.1099143	8.337352	FALSE	477.34	280	0.03228	0.0000406
5484604175700	548460	4175700	8.327149	8.327149	13.90511	13.90511	FALSE	19.1111791	8.327149	FALSE	487.12	280	0.03228	0.0000406
5484804175700	548480	4175700	8.318892	8.318892	13.24418	13.24418	FALSE	18.2028024	8.318892	FALSE	497.52	280	0.03228	0.0000406
5485004175700	548500	4175700	8.314467	8.314467	12.71988	12.71988	FALSE	17.4821976	8.314467	FALSE	508.48	280	0.03228	0.0000406
5485204175700	548520	4175700	8.313098	8.313098	12.34688	12.34688	FALSE	16.9695477	8.313098	FALSE	519.99	280	0.03228	0.0000406
5485404175700	548540	4175700	8.320431	8.320431	12.27659	12.27659	FALSE	16.8729412	8.320431	FALSE	532.00	280	0.03228	0.0000406
5485604175700	548560	4175700	8.333358	8.333358	12.4646	12.4646	FALSE	17.1313504	8.333358	FALSE	544.48	280	0.03228	0.0000406
5485804175700	548580	4175700	8.352781	8.352781	12.95107	12.95107	FALSE	17.7999534	8.352781	FALSE	557.39	280	0.03228	0.0000406
5486004175700	548600	4175700	8.373148	8.373148	13.51044	13.51044	FALSE	18.5687501	8.373148	FALSE	570.72	280	0.03228	0.0000406
5486204175700	548620	4175700	8.383364	8.383364	13.75765	13.75765	FALSE	18.9085169	8.383364	FALSE	584.43	280	0.03228	0.0000406
5486404175700	548640	4175700	8.379751	8.379751	13.54845	13.54845	FALSE	18.6209938	8.379751	FALSE	598.49	280	0.03228	0.0000406
5486604175700	548660	4175700	8.370377	8.370377	13.14278	13.14278	FALSE	18.0634341	8.370377	FALSE	612.88	280	0.03228	0.0000406
5486804175700	548680	4175700	8.364127	8.364127	12.83561	12.83561	FALSE	17.6412596	8.364127	FALSE	627.58	280	0.03228	0.0000406

5487004175700	548700	4175700	8.362948	8.362948	12.69635	12.69635	TRUE	17.4498648	8.362948	TRUE	642.56	280	0.03228	0.0000406
5487204175700	548720	4175700	8.378841	8.378841	13.14139	13.14139	TRUE	18.061525	8.378841	TRUE	657.82	280	0.03228	0.0000406
5487404175700	548740	4175700	8.406678	8.406678	13.95265	13.95265	TRUE	19.1765277	8.406678	TRUE	673.32	280	0.03228	0.0000406
5487604175700	548760	4175700	8.455061	8.455061	15.43807	15.43807	TRUE	21.218082	8.455061	TRUE	689.05	280	0.03228	0.0000406
5487804175700	548780	4175700	8.520181	8.520181	17.41553	17.41553	TRUE	23.9359099	8.520181	TRUE	705.00	280	0.03228	0.0000406
5488004175700	548800	4175700	8.588599	8.588599	19.46367	19.46367	TRUE	26.7508667	8.588599	TRUE	721.15	280	0.03228	0.0000406
5488204175700	548820	4175700	8.656277	8.656277	21.48156	21.48156	TRUE	29.5242547	8.656277	TRUE	737.49	280	0.03228	0.0000406
5488404175700	548840	4175700	8.819469	8.819469	26.7261	26.7261	TRUE	36.7323573	8.819469	TRUE	754.00	280	0.03228	0.0000406
5488604175700	548860	4175700	9.142596	9.142596	38.22035	38.22035	TRUE	52.5300422	9.142596	TRUE	770.68	280	0.03228	0.0000406
5488804175700	548880	4175700	9.73373	9.73373	51.80038	51.80038	TRUE	71.1944395	9.73373	TRUE	787.52	280	0.03228	0.0000406
5489004175700	548900	4175700	10.84769	10.84769	79.6405	79.6405	FALSE	109.457906	10.847692	FALSE	804.50	280	0.03228	0.0000406
5489204175700	548920	4175700	10.98505	10.98505	82.3293	82.3293	FALSE	113.153395	10.985045	FALSE	821.62	280	0.03228	0.0000406
5489404175700	548940	4175700	9.922858	9.922858	54.6662	54.6662	FALSE	75.1332253	9.922858	FALSE	838.86	280	0.03228	0.0000406
5489604175700	548960	4175700	10.03285	10.03285	57.22292	57.22292	TRUE	78.6471826	10.032848	TRUE	856.22	280	0.03228	0.0000406
5489804175700	548980	4175700	9.529869	9.529869	44.23231	44.23231	TRUE	60.7928827	9.529869	TRUE	873.70	280	0.03228	0.0000406
5490004175700	549000	4175700	9.277892	9.277892	37.71368	37.71368	FALSE	51.8336804	9.277892	FALSE	891.28	280	0.03228	0.0000406
5490204175700	549020	4175700	9.127371	9.127371	33.72517	33.72517	FALSE	46.3518764	9.127371	FALSE	908.97	280	0.03228	0.0000406
5490404175700	549040	4175700	9.018631	9.018631	30.88576	30.88576	TRUE	42.4493913	9.018631	TRUE	926.74	280	0.03228	0.0000406
5490604175700	549060	4175700	8.939587	8.939587	28.87839	28.87839	FALSE	39.6904592	8.939587	FALSE	944.61	280	0.03228	0.0000406
5490804175700	549080	4175700	8.880482	8.880482	27.33525	27.33525	TRUE	37.5695635	8.880482	TRUE	962.56	280	0.03228	0.0000406
5491004175700	549100	4175700	8.837074	8.837074	26.25817	26.25817	TRUE	36.0892234	8.837074	TRUE	980.59	280	0.03228	0.0000406
5491204175700	549120	4175700	8.803015	8.803015	25.51773	25.51773	TRUE	35.0715695	8.803015	TRUE	998.69	280	0.03228	0.0000406
5469404175720	546940	4175720	8.52901	8.52901	17.88194	17.88194	FALSE	24.5769328	8.52901	FALSE	1348.18	280	0.03228	0.0000406
5469604175720	546960	4175720	8.822476	8.822476	29.91587	29.91587	FALSE	41.116369	8.822476	FALSE	1329.29	280	0.03228	0.0000406
5469804175720	546980	4175720	8.668986	8.668986	21.84168	21.84168	FALSE	30.0192091	8.668986	FALSE	1310.44	280	0.03228	0.0000406
5470004175720	547000	4175720	8.511763	8.511763	16.01012	16.01012	FALSE	22.0043144	8.511763	FALSE	1291.62	280	0.03228	0.0000406
5470204175720	547020	4175720	8.455587	8.455587	13.29137	13.29137	FALSE	18.2676548	8.455587	FALSE	1272.84	280	0.03228	0.0000406
5470404175720	547040	4175720	8.424338	8.424338	11.84491	11.84491	FALSE	16.2796402	8.424338	FALSE	1254.09	280	0.03228	0.0000406
5470604175720	547060	4175720	8.355101	8.355101	9.854459	9.854459	FALSE	13.5439684	8.355101	FALSE	1235.39	280	0.03228	0.0000406
5470804175720	547080	4175720	8.324065	8.324065	8.843986	8.843986	FALSE	12.1551744	8.324065	FALSE	1216.72	280	0.03228	0.0000406
5471004175720	547100	4175720	8.304638	8.304638	8.178829	8.178829	FALSE	11.2409826	8.304638	FALSE	1198.10	280	0.03228	0.0000406
5471204175720	547120	4175720	8.294289	8.294289	7.834095	7.834095	FALSE	10.7671802	8.294289	FALSE	1179.53	280	0.03228	0.0000406
5471404175720	547140	4175720	8.288964	8.288964	7.674804	7.674804	FALSE	10.5482506	8.288964	FALSE	1161.00	280	0.03228	0.0000406
5471604175720	547160	4175720	8.284927	8.284927	7.529905	7.529905	FALSE	10.3491014	8.284927	FALSE	1142.52	280	0.03228	0.0000406
5471804175720	547180	4175720	8.287047	8.287047	7.465538	7.465538	FALSE	10.2606354	8.287047	FALSE	1124.09	280	0.03228	0.0000406
5472004175720	547200	4175720	8.280381	8.280381	7.104671	7.104671	FALSE	9.76465982	8.280381	FALSE	1105.72	280	0.03228	0.0000406
5472204175720	547220	4175720	8.275798	8.275798	6.780759	6.780759	FALSE	9.31947517	8.275798	FALSE	1087.40	280	0.03228	0.0000406
5472404175720	547240	4175720	8.27759	8.27759	6.608612	6.608612	FALSE	9.08287633	8.27759	FALSE	1069.15	280	0.03228	0.0000406
5472604175720	547260	4175720	8.278306	8.278306	6.662739	6.662739	FALSE	9.15726848	8.278306	FALSE	1050.96	280	0.03228	0.0000406
5472804175720	547280	4175720	8.272319	8.272319	6.371063	6.371063	FALSE	8.75638899	8.272319	FALSE	1032.83	280	0.03228	0.0000406
5473004175720	547300	4175720	8.256827	8.256827	5.87152	5.87152	FALSE	8.06981709	8.256827	FALSE	1014.78	280	0.03228	0.0000406
5473204175720	547320	4175720	8.23324	8.23324	5.197012	5.197012	FALSE	7.14277329	8.23324	FALSE	996.80	280	0.03228	0.0000406
5473404175720	547340	4175720	8.220732	8.220732	4.82942	4.82942	FALSE	6.63755485	8.220732	FALSE	978.90	280	0.03228	0.0000406
5473604175720	547360	4175720	8.211446	8.211446	4.558352	4.558352	FALSE	6.26499899	8.211446	FALSE	961.08	280	0.03228	0.0000406
5473804175720	547380	4175720	8.209541	8.209541	4.524985	4.524985	FALSE	6.21913938	8.209541	FALSE	943.35	280	0.03228	0.0000406
5474004175720	547400	4175720	8.206085	8.206085	4.432327	4.432327	FALSE	6.09179023	8.206085	FALSE	925.71	280	0.03228	0.0000406
5474204175720	547420	4175720	8.202157	8.202157	4.315756	4.315756	FALSE	5.93157505	8.202157	FALSE	908.17	280	0.03228	0.0000406
5474404175720	547440	4175720	8.198596	8.198596	4.212986	4.212986	FALSE	5.79032796	8.198596	FALSE	890.74	280	0.03228	0.0000406
5474604175720	547460	4175720	8.196765	8.196765	4.160413	4.160413	FALSE	5.71807163	8.196765	FALSE	873.41	280	0.03228	0.0000406
5474804175720	547480	4175720	8.199623	8.199623	4.258266	4.258266	FALSE	5.85256079	8.199623	FALSE	856.20	280	0.03228	0.0000406
5475004175720	547500	4175720	8.206253	8.206253	4.463046	4.463046	FALSE	6.13401042	8.206253	FALSE	839.11	280	0.03228	0.0000406
5475204175720	547520	4175720	8.21129	8.21129	4.602114	4.602114	FALSE	6.32514548	8.21129	FALSE	822.16	280	0.03228	0.0000406
5475404175720	547540	4175720	8.215794	8.215794	4.69828	4.69828	FALSE	6.45731603	8.215794	FALSE	805.34	280	0.03228	0.0000406
5475604175720	547560	4175720	8.222202	8.222202	4.817066	4.817066	FALSE	6.62057551	8.222202	FALSE	788.68	280	0.03228	0.0000406
5475804175720	547580	4175720	8.241607	8.241607	5.271449	5.271449	FALSE	7.24507951	8.241607	FALSE	772.17	280	0.03228	0.0000406
5476004175720	547600	4175720	8.238888	8.238888	5.283399	5.283399	FALSE	7.26150359	8.238888	FALSE	755.83	280	0.03228	0.0000406
5476204175720	547620	4175720	8.246307	8.246307	5.541872	5.541872	FALSE	7.61674888	8.246307	FALSE	739.67	280	0.03228	0.0000406
5476404175720	547640	4175720	8.238162	8.238162	5.494029	5.494029	FALSE	7.55099346	8.238162	FALSE	723.70	280	0.03228	0.0000406
5476604175720	547660	4175720	8.235643	8.235643	5.554277	5.554277	FALSE	7.63379831	8.235643	FALSE	707.94	280	0.03228	0.0000406
5476804175720	547680	4175720	8.237376	8.237376	5.734889	5.734889	FALSE	7.88203144	8.237376	FALSE	692.40	280	0.03228	0.0000406
5477004175720	547700	4175720	8.240161	8.240161	5.934822	5.934822	FALSE	8.15681936	8.240161	FALSE	677.09	280	0.03228	0.0000406
5477204175720	547720	4175720	8.243335	8.243335	6.127394	6.127394	FALSE	8.42149031	8.243335	FALSE	662.03	280	0.03228	0.0000406
5477404175720	547740	4175720	8.24611	8.24611	6.292891	6.292891	FALSE	8.64894939	8.24611	FALSE	647.23	280	0.03228	0.0000406
5477604175720	547760	4175720	8.247236	8.247236	6.37689	6.37689	FALSE	8.76439762	8.247236	FALSE	632.73	280	0.03228	0.0000406
5477804175720	547780	4175720	8.25008	8.25008	6.536618	6.536618	FALSE	8.98392778	8.25008	FALSE	618.53	280	0.03228	0.0000406
5478004175720	547800	4175720	8.25232	8.25232	6.644231	6.644231	FALSE	9.13183109	8.25232	FALSE	604.66	280	0.03228	0.0000406
5478204175720	547820	4175720	8.258301	8.258301	6.872794	6.872794	FALSE	9.44596807	8.258301	FALSE	591.14	280	0.03228	0.0000406
5478404175720	547840	4175720	8.26992	8.26992	7.226875	7.226875	FALSE	9.932617	8.26992	FALSE	577.99	280	0.03228	0.0000406
5478604175720	547860	4175720	8.281735	8.281735	7.518261	7.518261	FALSE	10.3330979	8.281735	FALSE	565.25	280	0.03228	0.0000406
5478804175720	547880	4175720	8.315628	8.315628	8.226374	8.226374	FALSE	11.3063284	8.315628	FALSE	552.94	280	0.03228	0.0000406
5479004175720	547900	4175720	8.331439	8.331439	8.604777	8.604777	FALSE	11.8264055	8.331439	FALSE	541.09	280	0.03228	0.0000406
5479204175720	547920	4175720	8.28858	8.28858	7.880094	7.880094	FALSE	10.8304012	8.28858	FALSE	529.73	280	0.03228	0.0000406
5479404175720	547940	4175720	8.278478	8.278478	7.892293	7.892293	FALSE	10.8471675	8.278478	FALSE	518.89	280	0.03228	0.0000406
5479604175720	547960	4175720	8.278482	8.278482	8.174431	8.174431	FALSE	11.234938	8.278482	FALSE	508.60	280	0.03228	0.0000406
5479804175720	547980	4175720	8.284188	8.284188	8.582198	8.582198	FALSE	11.7953729	8.284188	FALSE	498.91	280	0.03228	0.0000406
5480004175720	548000	4175720	8.287373	8.287373	8.953908	8.953908	FALSE	12.3062512	8.287373	FALSE	489.84	280	0.03228	0.0000406
5480204175720	548020	4175720	8.293578	8.293578	9.427091	9.427091	FALSE	12.9565939	8.293578	FALSE	481.43	280	0.03228	0.0000406
5480404175720	548040	4175720	8.300163	8.300163	9.927999	9.927999	FALSE	13.6450418	8.300163	FALSE	473.72	280	0.03228	0.0000406
5480604175720	548060	4175720	8.309473	8.309473	10.54559	10.54559	FALSE	14.4938644	8.309473	FALSE	466.74	280	0.03228	0.0000406
5480804175720	548080	4175720	8.320127	8.320127	11.22088	11.22088	FALSE	15.4219706	8.320127	FALSE	460.52	280	0.03228	0.0000406
5481004175720	548100	4175720	8.331476	8.331476	11.90939	11.90939	FALSE	16.3682629	8.331476	FALSE	455.09	280	0.03228	0.0000406
5481204175720	548120	4175720	8.342529	8.342529	12.72244	12.72244	FALSE	17.485727	8.342529	FALSE	450.49	280	0.03228	0.0000406
5481404175720	548140	4175720	8.35896	8.35896	13.87844	13.87844	FALSE	19.0745224	8.35896	FALSE	446.74	280	0.03228	0.0000406
5481604175720	548160	4175720	8.38387	8.38387	15.60484	15.60484	FALSE	21.4472921	8.38387	FALSE	443.86	280	0.03228	0.0000406
5481804175720	548180	4175720	8.410859	8.410859	17.98794	17.98794	FALSE	24.722622	8.410859	FALSE	441.86	280	0.03228	0.0000406
5482004175720	548200	4175720	8.43703	8.43703	20.44416	20.44416	FALSE	28.0984466	8.43703	FALSE	440.77	280	0.03228	0.0000406
5482204175720	548220	4175720	8.517096	8.517096	25.52584	25.52584	FALSE	35.0827145	8.517096	FALSE	440.58	280	0.03228	0.0000406
5482404175720	548240	4175720	8.724032	8.724032	38.32655	38.32655	FALSE	52.6760076	8.724032	FALSE	441.30	280	0.03228	0.0000406
5482604175720	548260	4175720	8.75428	8.75428	40.0238	40.0238	FALSE	55.0087052	8.75428	FALSE	442.92	280	0.03228	0.0000406
5482804175720	548280	4175720	8.742943	8.742943	39.30178	39.30178	FALSE	54.0163623	8.742943	FALSE	445.43	280	0.03228	0.0000406
5483004175720	548300	4175720	8.566343	8.566343	28.65284	28.65284	FALSE	39.3804592	8.566343	FALSE	448.82	280	0.03228	0.0000406
5483204175720	548320	4175720	8.481489	8.481489	23.54464	23.54464	FALSE	32.359756	8.481489	FALSE	453.07	280	0.03228	0.0000406
5483404175720	548340	4175720	8.428301	8.428301	20.3857	20.3857	FALSE	28.0181088	8.428301	FALSE	458.16	280	0.03228	0.0000406
5483604175720	548360	4175720	8.392568	8.392568	18.21042	18.21042	FALSE	25.0283944	8.392568	FALSE	464.05	280	0.03228	0.0000406

5483804175720	548380	4175720	8.369774	8.369774	16.77334	16.77334	FALSE	23.0532716	8.369774	FALSE	470.72	280	0.03228	0.0000406
5484004175720	548400	4175720	8.350686	8.350686	15.61119	15.61119	FALSE	21.456014	8.350686	FALSE	478.13	280	0.03228	0.0000406
5484204175720	548420	4175720	8.334435	8.334435	14.60995	14.60995	FALSE	20.0799098	8.334435	FALSE	486.25	280	0.03228	0.0000406
5484404175720	548440	4175720	8.322084	8.322084	13.83021	13.83021	FALSE	19.008242	8.322084	FALSE	495.05	280	0.03228	0.0000406
5484604175720	548460	4175720	8.313797	8.313797	13.23868	13.23868	FALSE	18.1952459	8.313797	FALSE	504.49	280	0.03228	0.0000406
5484804175720	548480	4175720	8.308092	8.308092	12.75716	12.75716	FALSE	17.5334462	8.308092	FALSE	514.53	280	0.03228	0.0000406
5485004175720	548500	4175720	8.305413	8.305413	12.3437	12.3437	FALSE	16.9651827	8.305413	FALSE	525.14	280	0.03228	0.0000406
5485204175720	548520	4175720	8.305575	8.305575	12.0432	12.0432	FALSE	16.5521727	8.305575	FALSE	536.29	280	0.03228	0.0000406
5485404175720	548540	4175720	8.307044	8.307044	11.84544	11.84544	FALSE	16.2803686	8.307044	FALSE	547.94	280	0.03228	0.0000406
5485604175720	548560	4175720	8.311861	8.311861	11.78732	11.78732	FALSE	16.2004981	8.311861	FALSE	560.07	280	0.03228	0.0000406
5485804175720	548580	4175720	8.321957	8.321957	11.96477	11.96477	FALSE	16.4443854	8.321957	FALSE	572.63	280	0.03228	0.0000406
5486004175720	548600	4175720	8.332176	8.332176	12.18133	12.18133	FALSE	16.7420213	8.332176	FALSE	585.61	280	0.03228	0.0000406
5486204175720	548620	4175720	8.337858	8.337858	12.26639	12.26639	FALSE	16.8589195	8.337858	FALSE	598.98	280	0.03228	0.0000406
5486404175720	548640	4175720	8.337727	8.337727	12.16454	12.16454	FALSE	16.7189465	8.337727	FALSE	612.71	280	0.03228	0.0000406
5486604175720	548660	4175720	8.334011	8.334011	11.95754	11.95754	FALSE	16.4344402	8.334011	FALSE	626.77	280	0.03228	0.0000406
5486804175720	548680	4175720	8.330742	8.330742	11.7551	11.7551	FALSE	16.1562094	8.330742	FALSE	641.15	280	0.03228	0.0000406
5487004175720	548700	4175720	8.329303	8.329303	11.60944	11.60944	FALSE	15.9560185	8.329303	FALSE	655.83	280	0.03228	0.0000406
5487204175720	548720	4175720	8.344605	8.344605	12.03857	12.03857	FALSE	16.5458065	8.344605	FALSE	670.78	280	0.03228	0.0000406
5487404175720	548740	4175720	8.365103	8.365103	12.62058	12.62058	FALSE	17.3457252	8.365103	FALSE	685.99	280	0.03228	0.0000406
5487604175720	548760	4175720	8.394659	8.394659	13.5133	13.5133	FALSE	18.5726726	8.394659	FALSE	701.43	280	0.03228	0.0000406
5487804175720	548780	4175720	8.433006	8.433006	14.65313	14.65313	FALSE	20.1392674	8.433006	FALSE	717.11	280	0.03228	0.0000406
5488004175720	548800	4175720	8.478743	8.478743	16.0322	16.0322	FALSE	22.0346502	8.478743	FALSE	732.99	280	0.03228	0.0000406
5488204175720	548820	4175720	8.533612	8.533612	17.69198	17.69198	FALSE	24.3158546	8.533612	FALSE	749.07	280	0.03228	0.0000406
5488404175720	548840	4175720	8.641336	8.641336	21.07652	21.07652	FALSE	28.9675677	8.641336	FALSE	765.34	280	0.03228	0.0000406
5488604175720	548860	4175720	8.807449	8.807449	26.69901	26.69901	FALSE	36.6951166	8.807449	FALSE	781.78	280	0.03228	0.0000406
5488804175720	548880	4175720	9.115478	9.115478	38.34418	38.34418	FALSE	52.7002355	9.115478	FALSE	798.38	280	0.03228	0.0000406
5489004175720	548900	4175720	9.585674	9.585674	47.66087	47.66087	FALSE	65.5050942	9.585674	FALSE	815.13	280	0.03228	0.0000406
5489204175720	548920	4175720	10.59443	10.59443	72.99567	72.99567	FALSE	100.325247	10.594432	FALSE	832.03	280	0.03228	0.0000406
5489404175720	548940	4175720	10.84015	10.84015	78.55539	78.55539	FALSE	107.966523	10.840151	FALSE	849.06	280	0.03228	0.0000406
5489604175720	548960	4175720	9.896367	9.896367	54.01834	54.01834	FALSE	74.2428024	9.896367	FALSE	866.22	280	0.03228	0.0000406
5489804175720	548980	4175720	10.00209	10.00209	56.48322	56.48322	TRUE	77.6305431	10.00209	TRUE	883.50	280	0.03228	0.0000406
5490004175720	549000	4175720	9.519972	9.519972	44.03274	44.03274	TRUE	60.5185965	9.519972	TRUE	900.89	280	0.03228	0.0000406
5490204175720	549020	4175720	9.277488	9.277488	37.73716	37.73716	TRUE	51.8659555	9.277488	TRUE	918.39	280	0.03228	0.0000406
5490404175720	549040	4175720	9.12559	9.12559	33.85934	33.85934	TRUE	46.5362796	9.12559	TRUE	935.99	280	0.03228	0.0000406
5490604175720	549060	4175720	9.026996	9.026996	31.41268	31.41268	FALSE	43.1735846	9.026996	FALSE	953.68	280	0.03228	0.0000406
5490804175720	549080	4175720	8.957375	8.957375	29.68374	29.68374	TRUE	40.797335	8.957375	TRUE	971.46	280	0.03228	0.0000406
5491004175720	549100	4175720	8.908017	8.908017	28.54447	28.54447	TRUE	39.2315182	8.908017	TRUE	989.33	280	0.03228	0.0000406
5491204175720	549120	4175720	8.870327	8.870327	27.80398	27.80398	TRUE	38.2137942	8.870327	TRUE	1007.28	280	0.03228	0.0000406
5469404175740	546940	4175740	8.635832	8.635832	20.68633	20.68633	FALSE	28.4312906	8.635832	FALSE	1354.84	280	0.03228	0.0000406
5469604175740	546960	4175740	8.618224	8.618224	20.31495	20.31495	FALSE	27.9208714	8.618224	FALSE	1336.05	280	0.03228	0.0000406
5469804175740	546980	4175740	8.487441	8.487441	15.25596	15.25596	FALSE	20.9677846	8.487441	FALSE	1317.30	280	0.03228	0.0000406
5470004175740	547000	4175740	8.409621	8.409621	12.1962	12.1962	FALSE	16.7624545	8.409621	FALSE	1298.58	280	0.03228	0.0000406
5470204175740	547020	4175740	8.371947	8.371947	10.48859	10.48859	FALSE	14.4155153	8.371947	FALSE	1279.90	280	0.03228	0.0000406
5470404175740	547040	4175740	8.381181	8.381181	10.11047	10.11047	FALSE	13.8958286	8.381181	FALSE	1261.26	280	0.03228	0.0000406
5470604175740	547060	4175740	8.349855	8.349855	9.054326	9.054326	FALSE	12.4442657	8.349855	FALSE	1242.66	280	0.03228	0.0000406
5470804175740	547080	4175740	8.306364	8.306364	7.861209	7.861209	FALSE	10.8044456	8.306364	FALSE	1224.11	280	0.03228	0.0000406
5471004175740	547100	4175740	8.286746	8.286746	7.277676	7.277676	FALSE	10.0024379	8.286746	FALSE	1205.60	280	0.03228	0.0000406
5471204175740	547120	4175740	8.278048	8.278048	7.039347	7.039347	FALSE	9.67487852	8.278048	FALSE	1187.14	280	0.03228	0.0000406
5471404175740	547140	4175740	8.274953	8.274953	6.996032	6.996032	FALSE	9.61534638	8.274953	FALSE	1168.73	280	0.03228	0.0000406
5471604175740	547160	4175740	8.271964	8.271964	6.904615	6.904615	FALSE	9.48970286	8.271964	FALSE	1150.38	280	0.03228	0.0000406
5471804175740	547180	4175740	8.273918	8.273918	6.843873	6.843873	FALSE	9.40621905	8.273918	FALSE	1132.08	280	0.03228	0.0000406
5472004175740	547200	4175740	8.26707	8.26707	6.471747	6.471747	FALSE	8.89476908	8.26707	FALSE	1113.84	280	0.03228	0.0000406
5472204175740	547220	4175740	8.264396	8.264396	6.234026	6.234026	FALSE	8.56804533	8.264396	FALSE	1095.66	280	0.03228	0.0000406
5472404175740	547240	4175740	8.266787	8.266787	6.106274	6.106274	FALSE	8.39246299	8.266787	FALSE	1077.54	280	0.03228	0.0000406
5472604175740	547260	4175740	8.290688	8.290688	6.604805	6.604805	FALSE	9.07764399	8.290688	FALSE	1059.50	280	0.03228	0.0000406
5472804175740	547280	4175740	8.286367	8.286367	6.333541	6.333541	FALSE	8.70481875	8.286367	FALSE	1041.52	280	0.03228	0.0000406
5473004175740	547300	4175740	8.243921	8.243921	5.402727	5.402727	FALSE	7.42550799	8.243921	FALSE	1023.62	280	0.03228	0.0000406
5473204175740	547320	4175740	8.223434	8.223434	4.825797	4.825797	FALSE	6.6325754	8.223434	FALSE	1005.80	280	0.03228	0.0000406
5473404175740	547340	4175740	8.209782	8.209782	4.433933	4.433933	FALSE	6.09399752	8.209782	FALSE	988.06	280	0.03228	0.0000406
5473604175740	547360	4175740	8.200615	8.200615	4.175268	4.175268	FALSE	5.73848834	8.200615	FALSE	970.41	280	0.03228	0.0000406
5473804175740	547380	4175740	8.198929	8.198929	4.154144	4.154144	FALSE	5.70945551	8.198929	FALSE	952.86	280	0.03228	0.0000406
5474004175740	547400	4175740	8.196397	8.196397	4.089632	4.089632	FALSE	5.62079022	8.196397	FALSE	935.40	280	0.03228	0.0000406
5474204175740	547420	4175740	8.193534	8.193534	4.008517	4.008517	FALSE	5.50930576	8.193534	FALSE	918.04	280	0.03228	0.0000406
5474404175740	547440	4175740	8.191271	8.191271	3.949851	3.949851	FALSE	5.42867521	8.191271	FALSE	900.80	280	0.03228	0.0000406
5474604175740	547460	4175740	8.188573	8.188573	3.872924	3.872924	FALSE	5.32294675	8.188573	FALSE	883.67	280	0.03228	0.0000406
5474804175740	547480	4175740	8.189894	8.189894	3.916323	3.916323	FALSE	5.38259433	8.189894	FALSE	866.66	280	0.03228	0.0000406
5475004175740	547500	4175740	8.194695	8.194695	4.044893	4.044893	FALSE	5.55930094	8.194695	FALSE	849.78	280	0.03228	0.0000406
5475204175740	547520	4175740	8.199831	8.199831	4.167354	4.167354	FALSE	5.72761134	8.199831	FALSE	833.05	280	0.03228	0.0000406
5475404175740	547540	4175740	8.205245	8.205245	4.276749	4.276749	FALSE	5.87796383	8.205245	FALSE	816.46	280	0.03228	0.0000406
5475604175740	547560	4175740	8.214021	8.214021	4.453843	4.453843	FALSE	6.12136182	8.214021	FALSE	800.02	280	0.03228	0.0000406
5475804175740	547580	4175740	8.235821	8.235821	4.9374	4.9374	FALSE	6.78596256	8.235821	FALSE	783.75	280	0.03228	0.0000406
5476004175740	547600	4175740	8.282218	8.282218	5.874916	5.874916	FALSE	8.07448455	8.282218	FALSE	767.66	280	0.03228	0.0000406
5476204175740	547620	4175740	8.240892	8.240892	5.226658	5.226658	FALSE	7.18351876	8.240892	FALSE	751.75	280	0.03228	0.0000406
5476404175740	547640	4175740	8.232837	8.232837	5.232521	5.232521	FALSE	7.19157686	8.232837	FALSE	736.05	280	0.03228	0.0000406
5476604175740	547660	4175740	8.231167	8.231167	5.342709	5.342709	FALSE	7.34301925	8.231167	FALSE	720.56	280	0.03228	0.0000406
5476804175740	547680	4175740	8.233116	8.233116	5.536202	5.536202	FALSE	7.60895603	8.233116	FALSE	705.29	280	0.03228	0.0000406
5477004175740	547700	4175740	8.235695	8.235695	5.735518	5.735518	FALSE	7.88289594	8.235695	FALSE	690.27	280	0.03228	0.0000406
5477204175740	547720	4175740	8.238908	8.238908	5.932205	5.932205	FALSE	8.15322255	8.238908	FALSE	675.50	280	0.03228	0.0000406
5477404175740	547740	4175740	8.242189	8.242189	6.11822	6.11822	FALSE	8.40888157	8.242189	FALSE	661.01	280	0.03228	0.0000406
5477604175740	547760	4175740	8.243212	8.243212	6.197713	6.197713	FALSE	8.51813675	8.243212	FALSE	646.81	280	0.03228	0.0000406
5477804175740	547780	4175740	8.245539	8.245539	6.336076	6.336076	FALSE	8.70830285	8.245539	FALSE	632.93	280	0.03228	0.0000406
5478004175740	547800	4175740	8.247044	8.247044	6.408674	6.408674	FALSE	8.80808155	8.247044	FALSE	619.38	280	0.03228	0.0000406
5478204175740	547820	4175740	8.252143	8.252143	6.586463	6.586463	FALSE	9.05243475	8.252143	FALSE	606.19	280	0.03228	0.0000406
5478404175740	547840	4175740	8.263182	8.263182	6.911403	6.911403	FALSE	9.49903228	8.263182	FALSE	593.38	280	0.03228	0.0000406
5478604175740	547860	4175740	8.27587	8.27587	7.219491	7.219491	FALSE	9.92246843	8.27587	FALSE	580.98	280	0.03228	0.0000406
5478804175740	547880	4175740	8.309848	8.309848	7.927414	7.927414	FALSE	10.8954378	8.309848	FALSE	569.00	280	0.03228	0.0000406
5479004175740	547900	4175740	8.328473	8.328473	8.371865	8.371865	FALSE	11.5062913	8.328473	FALSE	557.49	280	0.03228	0.0000406
5479204175740	547920	4175740	8.284845	8.284845	7.641953	7.641953	FALSE	10.5031002	8.284845	FALSE	546.47	280	0.03228	0.0000406
5479404175740	547940	4175740	8.275202	8.275202	7.686788	7.686788	FALSE	10.5647214	8.275202	FALSE	535.97	280	0.03228	0.0000406
5479604175740	547960	4175740	8.276446	8.276446	8.043303	8.043303	FALSE	11.0547156	8.276446	FALSE	526.02	280	0.03228	0.0000406
5479804175740	547980	4175740	8.283717	8.283717	8.524539	8.524539	FALSE	11.7161264	8.283717	FALSE	516.66	280	0.03228	0.0000406
5480004175740	548000	4175740	8.287643	8.287643	8.928834	8.928834	FALSE	12.2717894	8.287643	FALSE	507.90	280	0.03228	0.0000406
5480204175740	548020	4175740	8.293165	8.293165	9.37458	9.37458	FALSE	12.8844228	8.293165	FALSE	499.80	280	0.03228	0.0000406
5480404175740	548040	4175740	8.297738	8.297738	9.797317	9.797317	FALSE	13.4654325	8.297738	FALSE	492.37	280	0.03228	0.0000406

5480604175740	548060	4175740	8.305509	8.305509	10.36597	10.36597	FALSE	14.2469919	8.305509	FALSE	485.66	280	0.03228	0.0000406
5480804175740	548080	4175740	8.315969	8.315969	11.0858	11.0858	FALSE	15.2363263	8.315969	FALSE	479.69	280	0.03228	0.0000406
5481004175740	548100	4175740	8.328073	8.328073	11.87786	11.87786	FALSE	16.3249294	8.328073	FALSE	474.48	280	0.03228	0.0000406
5481204175740	548120	4175740	8.339793	8.339793	12.75939	12.75939	FALSE	17.536507	8.339793	FALSE	470.07	280	0.03228	0.0000406
5481404175740	548140	4175740	8.357047	8.357047	13.98513	13.98513	FALSE	19.2211558	8.357047	FALSE	466.48	280	0.03228	0.0000406
5481604175740	548160	4175740	8.378539	8.378539	15.51358	15.51358	FALSE	21.321863	8.378539	FALSE	463.72	280	0.03228	0.0000406
5481804175740	548180	4175740	8.395235	8.395235	17.23258	17.23258	FALSE	23.684458	8.395235	FALSE	461.81	280	0.03228	0.0000406
5482004175740	548200	4175740	8.421222	8.421222	19.63233	19.63233	FALSE	26.9826689	8.421222	FALSE	460.76	280	0.03228	0.0000406
5482204175740	548220	4175740	8.504697	8.504697	24.88355	24.88355	FALSE	34.1999566	8.504697	FALSE	460.58	280	0.03228	0.0000406
5482404175740	548240	4175740	8.716749	8.716749	37.99527	37.99527	FALSE	52.2206963	8.716749	FALSE	461.26	280	0.03228	0.0000406
5482604175740	548260	4175740	9.114231	9.114231	61.91361	61.91361	FALSE	85.0940642	9.114231	FALSE	462.82	280	0.03228	0.0000406
5482804175740	548280	4175740	8.7367	8.7367	38.97149	38.97149	FALSE	53.5624131	8.7367	FALSE	465.22	280	0.03228	0.0000406
5483004175740	548300	4175740	8.555918	8.555918	28.09633	28.09633	FALSE	38.615596	8.555918	FALSE	468.47	280	0.03228	0.0000406
5483204175740	548320	4175740	8.469074	8.469074	22.90245	22.90245	FALSE	31.4771314	8.469074	FALSE	472.54	280	0.03228	0.0000406
5483404175740	548340	4175740	8.412996	8.412996	19.58591	19.58591	FALSE	26.9188733	8.412996	FALSE	477.42	280	0.03228	0.0000406
5483604175740	548360	4175740	8.379492	8.379492	17.51245	17.51245	FALSE	24.069114	8.379492	FALSE	483.08	280	0.03228	0.0000406
5483804175740	548380	4175740	8.357634	8.357634	16.12882	16.12882	FALSE	22.1674557	8.357634	FALSE	489.49	280	0.03228	0.0000406
5484004175740	548400	4175740	8.338054	8.338054	14.95446	14.95446	FALSE	20.5534139	8.338054	FALSE	496.62	280	0.03228	0.0000406
5484204175740	548420	4175740	8.322897	8.322897	14.02335	14.02335	FALSE	19.2736909	8.322897	FALSE	504.45	280	0.03228	0.0000406
5484404175740	548440	4175740	8.311009	8.311009	13.29284	13.29284	FALSE	18.2696848	8.311009	FALSE	512.93	280	0.03228	0.0000406
5484604175740	548460	4175740	8.302797	8.302797	12.74419	12.74419	FALSE	17.5156092	8.302797	FALSE	522.05	280	0.03228	0.0000406
5484804175740	548480	4175740	8.299108	8.299108	12.40149	12.40149	FALSE	17.0446134	8.299108	FALSE	531.76	280	0.03228	0.0000406
5485004175740	548500	4175740	8.297956	8.297956	12.10788	12.10788	FALSE	16.6410744	8.297956	FALSE	542.03	280	0.03228	0.0000406
5485204175740	548520	4175740	8.297651	8.297651	11.82406	11.82406	FALSE	16.2509894	8.297651	FALSE	552.84	280	0.03228	0.0000406
5485404175740	548540	4175740	8.294983	8.294983	11.53319	11.53319	FALSE	15.8512205	8.294983	FALSE	564.15	280	0.03228	0.0000406
5485604175740	548560	4175740	8.294495	8.294495	11.32448	11.32448	FALSE	15.5643584	8.294495	FALSE	575.93	280	0.03228	0.0000406
5485804175740	548580	4175740	8.297305	8.297305	11.26437	11.26437	FALSE	15.4817488	8.297305	FALSE	588.16	280	0.03228	0.0000406
5486004175740	548600	4175740	8.299541	8.299541	11.21384	11.21384	FALSE	15.4123003	8.299541	FALSE	600.80	280	0.03228	0.0000406
5486204175740	548620	4175740	8.301577	8.301577	11.1709	11.1709	FALSE	15.3532822	8.301577	FALSE	613.84	280	0.03228	0.0000406
5486404175740	548640	4175740	8.304132	8.304132	11.15288	11.15288	FALSE	15.3285238	8.304132	FALSE	627.24	280	0.03228	0.0000406
5486604175740	548660	4175740	8.304827	8.304827	11.09334	11.09334	FALSE	15.246681	8.304827	FALSE	640.99	280	0.03228	0.0000406
5486804175740	548680	4175740	8.305849	8.305849	11.03726	11.03726	FALSE	15.1696101	8.305849	FALSE	655.06	280	0.03228	0.0000406
5487004175740	548700	4175740	8.308312	8.308312	11.02331	11.02331	FALSE	15.1504318	8.308312	FALSE	669.43	280	0.03228	0.0000406
5487204175740	548720	4175740	8.324673	8.324673	11.49421	11.49421	FALSE	15.7976477	8.324673	FALSE	684.08	280	0.03228	0.0000406
5487404175740	548740	4175740	8.343675	8.343675	12.04046	12.04046	TRUE	16.5484137	8.343675	TRUE	699.00	280	0.03228	0.0000406
5487604175740	548760	4175740	8.367675	8.367675	12.76554	12.76554	TRUE	17.5449527	8.367675	TRUE	714.16	280	0.03228	0.0000406
5487804175740	548780	4175740	8.395496	8.395496	13.58884	13.58884	TRUE	18.6765031	8.395496	TRUE	729.56	280	0.03228	0.0000406
5488004175740	548800	4175740	8.428888	8.428888	14.58338	14.58338	TRUE	20.043403	8.428888	TRUE	745.18	280	0.03228	0.0000406
5488204175740	548820	4175740	8.469725	8.469725	15.80413	15.80413	TRUE	21.7212018	8.469725	TRUE	761.01	280	0.03228	0.0000406
5488404175740	548840	4175740	8.536477	8.536477	17.88727	17.88727	TRUE	24.5842639	8.536477	TRUE	777.02	280	0.03228	0.0000406
5488604175740	548860	4175740	8.625641	8.625641	20.78001	20.78001	TRUE	28.5600471	8.625641	TRUE	793.22	280	0.03228	0.0000406
5488804175740	548880	4175740	8.757562	8.757562	25.5742	25.5742	TRUE	35.1491832	8.757562	TRUE	809.59	280	0.03228	0.0000406
5489004175740	548900	4175740	8.956519	8.956519	31.18719	31.18719	TRUE	42.8636739	8.956519	TRUE	826.11	280	0.03228	0.0000406
5489204175740	548920	4175740	9.531999	9.531999	46.28873	46.28873	TRUE	63.6192333	9.531999	TRUE	842.79	280	0.03228	0.0000406
5489404175740	548940	4175740	10.50193	10.50193	70.68845	70.68845	FALSE	97.1541988	10.50193	FALSE	859.61	280	0.03228	0.0000406
5489604175740	548960	4175740	10.73451	10.73451	75.99609	75.99609	FALSE	104.449027	10.734506	FALSE	876.56	280	0.03228	0.0000406
5489804175740	548980	4175740	9.86462	9.86462	53.40802	53.40802	FALSE	73.4039786	9.86462	FALSE	893.64	280	0.03228	0.0000406
5490004175740	549000	4175740	9.979649	9.979649	56.07356	56.07356	TRUE	77.0675064	9.979649	TRUE	910.84	280	0.03228	0.0000406
5490204175740	549020	4175740	9.517489	9.517489	44.17908	44.17908	TRUE	60.7197234	9.517489	TRUE	928.15	280	0.03228	0.0000406
5490404175740	549040	4175740	9.284793	9.284793	38.24594	38.24594	TRUE	52.5652172	9.284793	TRUE	945.57	280	0.03228	0.0000406
5490604175740	549060	4175740	9.145776	9.145776	34.80522	34.80522	TRUE	47.8362999	9.145776	TRUE	963.08	280	0.03228	0.0000406
5490804175740	549080	4175740	9.060917	9.060917	32.87034	32.87034	FALSE	45.1769925	9.060917	FALSE	980.70	280	0.03228	0.0000406
5491004175740	549100	4175740	9.005613	9.005613	31.76132	31.76132	TRUE	43.6527637	9.005613	TRUE	998.40	280	0.03228	0.0000406
5491204175740	549120	4175740	8.959067	8.959067	30.92345	30.92345	TRUE	42.5011856	8.959067	TRUE	1016.18	280	0.03228	0.0000406
5469404175760	546940	4175760	8.667892	8.667892	21.19892	21.19892	FALSE	29.1358011	8.667892	FALSE	1361.77	280	0.03228	0.0000406
5469604175760	546960	4175760	8.489233	8.489233	15.20912	15.20912	FALSE	20.9034104	8.489233	FALSE	1343.08	280	0.03228	0.0000406
5469804175760	546980	4175760	8.397909	8.397909	11.83266	11.83266	FALSE	16.262812	8.397909	FALSE	1324.42	280	0.03228	0.0000406
5470004175760	547000	4175760	8.353437	8.353437	10.07189	10.07189	FALSE	13.8428056	8.353437	FALSE	1305.80	280	0.03228	0.0000406
5470204175760	547020	4175760	8.329409	8.329409	8.99402	8.99402	FALSE	12.3613811	8.329409	FALSE	1287.23	280	0.03228	0.0000406
5470404175760	547040	4175760	8.31845	8.31845	8.249318	8.249318	FALSE	11.3378627	8.31845	FALSE	1268.70	280	0.03228	0.0000406
5470604175760	547060	4175760	8.306764	8.306764	7.63818	7.63818	FALSE	10.4979146	8.306764	FALSE	1250.21	280	0.03228	0.0000406
5470804175760	547080	4175760	8.302324	8.302324	7.296424	7.296424	FALSE	10.0282051	8.302324	FALSE	1231.77	280	0.03228	0.0000406
5471004175760	547100	4175760	8.277629	8.277629	6.709673	6.709673	FALSE	9.22177457	8.277629	FALSE	1213.38	280	0.03228	0.0000406
5471204175760	547120	4175760	8.267971	8.267971	6.503045	6.503045	FALSE	8.93778505	8.267971	FALSE	1195.04	280	0.03228	0.0000406
5471404175760	547140	4175760	8.264519	8.264519	6.465333	6.465333	FALSE	8.88595368	8.264519	FALSE	1176.76	280	0.03228	0.0000406
5471604175760	547160	4175760	8.260201	8.260201	6.315837	6.315837	FALSE	8.68048637	8.260201	FALSE	1158.53	280	0.03228	0.0000406
5471804175760	547180	4175760	8.262394	8.262394	6.27107	6.27107	FALSE	8.61895861	8.262394	FALSE	1140.36	280	0.03228	0.0000406
5472004175760	547200	4175760	8.258263	8.258263	6.006366	6.006366	FALSE	8.25514943	8.258263	FALSE	1122.25	280	0.03228	0.0000406
5472204175760	547220	4175760	8.258943	8.258943	5.878258	5.878258	FALSE	8.0790778	8.258943	FALSE	1104.21	280	0.03228	0.0000406
5472404175760	547240	4175760	8.267791	8.267791	5.906931	5.906931	FALSE	8.11848597	8.267791	FALSE	1086.24	280	0.03228	0.0000406
5472604175760	547260	4175760	8.267338	8.267338	5.980375	5.980375	FALSE	8.2194274	8.267338	FALSE	1068.34	280	0.03228	0.0000406
5472804175760	547280	4175760	8.259173	8.259173	5.653148	5.653148	FALSE	7.76968661	8.259173	FALSE	1050.52	280	0.03228	0.0000406
5473004175760	547300	4175760	8.233098	8.233098	5.032159	5.032159	FALSE	6.91619933	8.233098	FALSE	1032.77	280	0.03228	0.0000406
5473204175760	547320	4175760	8.216629	8.216629	4.574316	4.574316	FALSE	6.28693991	8.216629	FALSE	1015.11	280	0.03228	0.0000406
5473404175760	547340	4175760	8.203543	8.203543	4.194769	4.194769	FALSE	5.76529051	8.203543	FALSE	997.54	280	0.03228	0.0000406
5473604175760	547360	4175760	8.196919	8.196919	3.998934	3.998934	FALSE	5.49613489	8.196919	FALSE	980.06	280	0.03228	0.0000406
5473804175760	547380	4175760	8.194686	8.194686	3.964888	3.964888	FALSE	5.44934207	8.194686	FALSE	962.68	280	0.03228	0.0000406
5474004175760	547400	4175760	8.191995	8.191995	3.90153	3.90153	FALSE	5.36226283	8.191995	FALSE	945.40	280	0.03228	0.0000406
5474204175760	547420	4175760	8.188194	8.188194	3.80454	3.80454	FALSE	5.22895978	8.188194	FALSE	928.24	280	0.03228	0.0000406
5474404175760	547440	4175760	8.185469	8.185469	3.741735	3.741735	FALSE	5.14264058	8.185469	FALSE	911.18	280	0.03228	0.0000406
5474604175760	547460	4175760	8.181834	8.181834	3.642211	3.642211	FALSE	5.0058548	8.181834	FALSE	894.25	280	0.03228	0.0000406
5474804175760	547480	4175760	8.181504	8.181504	3.638648	3.638648	FALSE	5.00095781	8.181504	FALSE	877.45	280	0.03228	0.0000406
5475004175760	547500	4175760	8.183751	8.183751	3.689261	3.689261	FALSE	5.07052032	8.183751	FALSE	860.79	280	0.03228	0.0000406
5475204175760	547520	4175760	8.186592	8.186592	3.736861	3.736861	FALSE	5.13594176	8.186592	FALSE	844.27	280	0.03228	0.0000406
5475404175760	547540	4175760	8.192283	8.192283	3.843926	3.843926	FALSE	5.28309189	8.192283	FALSE	827.90	280	0.03228	0.0000406
5475604175760	547560	4175760	8.204775	8.204775	4.113808	4.113808	FALSE	5.65401772	8.204775	FALSE	811.70	280	0.03228	0.0000406
5475804175760	547580	4175760	8.22743	8.22743	4.598419	4.598419	FALSE	6.32006707	8.22743	FALSE	795.67	280	0.03228	0.0000406
5476004175760	547600	4175760	8.275622	8.275622	5.573966	5.573966	FALSE	7.66085887	8.275622	FALSE	779.82	280	0.03228	0.0000406
5476204175760	547620	4175760	8.234598	8.234598	4.965801	4.965801	FALSE	6.82499689	8.234598	FALSE	764.17	280	0.03228	0.0000406
5476404175760	547640	4175760	8.225807	8.225807	4.969013	4.969013	FALSE	6.82941147	8.225807	FALSE	748.72	280	0.03228	0.0000406
5476604175760	547660	4175760	8.223924	8.223924	5.081161	5.081161	FALSE	6.98354768	8.223924	FALSE	733.50	280	0.03228	0.0000406
5476804175760	547680	4175760	8.225187	8.225187	5.253427	5.253427	FALSE	7.22031007	8.225187	FALSE	718.51	280	0.03228	0.0000406
5477004175760	547700	4175760	8.227117	8.227117	5.430882	5.430882	FALSE	7.46420422	8.227117	FALSE	703.77	280	0.03228	0.0000406
5477204175760	547720	4175760	8.229989	8.229989	5.622548	5.622548	FALSE	7.72762997	8.229989	FALSE	689.29	280	0.03228	0.0000406

5477404175760	547740	4175760	8.232999	8.232999	5.801517	5.801517	FALSE	7.97360496	8.232999	FALSE	675.10	280	0.03228	0.0000406
5477604175760	547760	4175760	8.233879	8.233879	5.874761	5.874761	FALSE	8.07427152	8.233879	FALSE	661.20	280	0.03228	0.0000406
5477804175760	547780	4175760	8.23614	8.23614	6.004793	6.004793	FALSE	8.2529875	8.23614	FALSE	647.63	280	0.03228	0.0000406
5478004175760	547800	4175760	8.237579	8.237579	6.06302	6.06302	FALSE	8.33301469	8.237579	FALSE	634.39	280	0.03228	0.0000406
5478204175760	547820	4175760	8.24095	8.24095	6.153989	6.153989	FALSE	8.45804248	8.24095	FALSE	621.52	280	0.03228	0.0000406
5478404175760	547840	4175760	8.251539	8.251539	6.452631	6.452631	FALSE	8.86849605	8.251539	FALSE	609.03	280	0.03228	0.0000406
5478604175760	547860	4175760	8.2661	8.2661	6.830915	6.830915	FALSE	9.38840958	8.2661	FALSE	596.95	280	0.03228	0.0000406
5478804175760	547880	4175760	8.301334	8.301334	7.558113	7.558113	FALSE	10.3878705	8.301334	FALSE	585.31	280	0.03228	0.0000406
5479004175760	547900	4175760	8.315381	8.315381	7.899883	7.899883	FALSE	10.8575992	8.315381	FALSE	574.13	280	0.03228	0.0000406
5479204175760	547920	4175760	8.275237	8.275237	7.225939	7.225939	FALSE	9.93133056	8.275237	FALSE	563.43	280	0.03228	0.0000406
5479404175760	547940	4175760	8.264979	8.264979	7.238006	7.238006	FALSE	9.94791545	8.264979	FALSE	553.25	280	0.03228	0.0000406
5479604175760	547960	4175760	8.26663	8.26663	7.626762	7.626762	FALSE	10.4822217	8.26663	FALSE	543.62	280	0.03228	0.0000406
5479804175760	547980	4175760	8.275306	8.275306	8.201552	8.201552	FALSE	11.2722131	8.275306	FALSE	534.56	280	0.03228	0.0000406
5480004175760	548000	4175760	8.280512	8.280512	8.671456	8.671456	FALSE	11.9180491	8.280512	FALSE	526.11	280	0.03228	0.0000406
5480204175760	548020	4175760	8.286649	8.286649	9.150837	9.150837	FALSE	12.5769104	8.286649	FALSE	518.29	280	0.03228	0.0000406
5480404175760	548040	4175760	8.291196	8.291196	9.580775	9.580775	FALSE	13.1678172	8.291196	FALSE	511.13	280	0.03228	0.0000406
5480604175760	548060	4175760	8.297197	8.297197	10.08857	10.08857	FALSE	13.865732	8.297197	FALSE	504.67	280	0.03228	0.0000406
5480804175760	548080	4175760	8.305272	8.305272	10.73352	10.73352	FALSE	14.752143	8.305272	FALSE	498.92	280	0.03228	0.0000406
5481004175760	548100	4175760	8.315823	8.315823	11.52039	11.52039	FALSE	15.833624	8.315823	FALSE	493.92	280	0.03228	0.0000406
5481204175760	548120	4175760	8.327396	8.327396	12.41579	12.41579	FALSE	17.0642673	8.327396	FALSE	489.68	280	0.03228	0.0000406
5481404175760	548140	4175760	8.342549	8.342549	13.51787	13.51787	FALSE	18.5789647	8.342549	FALSE	486.23	280	0.03228	0.0000406
5481604175760	548160	4175760	8.360761	8.360761	14.82921	14.82921	FALSE	20.3812648	8.360761	FALSE	483.58	280	0.03228	0.0000406
5481804175760	548180	4175760	8.380134	8.380134	16.64559	16.64559	FALSE	22.877692	8.380134	FALSE	481.75	280	0.03228	0.0000406
5482004175760	548200	4175760	8.408722	8.408722	19.18884	19.18884	FALSE	26.3731362	8.408722	FALSE	480.75	280	0.03228	0.0000406
5482204175760	548220	4175760	8.489691	8.489691	24.31775	24.31775	FALSE	33.4223101	8.489691	FALSE	480.58	280	0.03228	0.0000406
5482404175760	548240	4175760	8.70002	8.70002	37.34075	37.34075	FALSE	51.3211254	8.70002	FALSE	481.23	280	0.03228	0.0000406
5482604175760	548260	4175760	9.321421	9.321421	75.06918	75.06918	FALSE	103.175082	9.321421	TRUE	482.72	280	0.03228	0.0000406
5482804175760	548280	4175760	8.722099	8.722099	38.47925	38.47925	FALSE	52.8858839	8.722099	FALSE	485.03	280	0.03228	0.0000406
5483004175760	548300	4175760	8.539022	8.539022	27.49336	27.49336	FALSE	37.7868726	8.539022	FALSE	488.15	280	0.03228	0.0000406
5483204175760	548320	4175760	8.449748	8.449748	22.15975	22.15975	FALSE	30.4563631	8.449748	FALSE	492.06	280	0.03228	0.0000406
5483404175760	548340	4175760	8.390202	8.390202	18.60837	18.60837	FALSE	25.5753424	8.390202	FALSE	496.74	280	0.03228	0.0000406
5483604175760	548360	4175760	8.362954	8.362954	16.88451	16.88451	FALSE	23.2060664	8.362954	FALSE	502.18	280	0.03228	0.0000406
5483804175760	548380	4175760	8.344168	8.344168	15.66793	15.66793	FALSE	21.5340002	8.344168	FALSE	508.35	280	0.03228	0.0000406
5484004175760	548400	4175760	8.32563	8.32563	14.54669	14.54669	FALSE	19.9929735	8.32563	FALSE	515.22	280	0.03228	0.0000406
5484204175760	548420	4175760	8.311351	8.311351	13.66181	13.66181	FALSE	18.7767903	8.311351	FALSE	522.77	280	0.03228	0.0000406
5484404175760	548440	4175760	8.298872	8.298872	12.90722	12.90722	FALSE	17.739679	8.298872	FALSE	530.96	280	0.03228	0.0000406
5484604175760	548460	4175760	8.288942	8.288942	12.28736	12.28736	FALSE	16.8877531	8.288942	FALSE	539.77	280	0.03228	0.0000406
5484804175760	548480	4175760	8.286098	8.286098	12.03292	12.03292	FALSE	16.5380439	8.286098	FALSE	549.17	280	0.03228	0.0000406
5485004175760	548500	4175760	8.284646	8.284646	11.78524	11.78524	FALSE	16.1976284	8.284646	FALSE	559.12	280	0.03228	0.0000406
5485204175760	548520	4175760	8.282787	8.282787	11.51777	11.51777	FALSE	15.8300162	8.282787	FALSE	569.61	280	0.03228	0.0000406
5485404175760	548540	4175760	8.277202	8.277202	11.15419	11.15419	FALSE	15.3303242	8.277202	FALSE	580.59	280	0.03228	0.0000406
5485604175760	548560	4175760	8.273306	8.273306	10.85796	10.85796	FALSE	14.9231788	8.273306	FALSE	592.05	280	0.03228	0.0000406
5485804175760	548580	4175760	8.271446	8.271446	10.66141	10.66141	FALSE	14.6530378	8.271446	FALSE	603.95	280	0.03228	0.0000406
5486004175760	548600	4175760	8.268588	8.268588	10.45495	10.45495	FALSE	14.3692819	8.268588	FALSE	616.27	280	0.03228	0.0000406
5486204175760	548620	4175760	8.268174	8.268174	10.33247	10.33247	FALSE	14.2009468	8.268174	FALSE	628.98	280	0.03228	0.0000406
5486404175760	548640	4175760	8.271773	8.271773	10.35205	10.35205	FALSE	14.2278603	8.271773	FALSE	642.07	280	0.03228	0.0000406
5486604175760	548660	4175760	8.274592	8.274592	10.36312	10.36312	FALSE	14.2430653	8.274592	FALSE	655.50	280	0.03228	0.0000406
5486804175760	548680	4175760	8.279118	8.279118	10.42652	10.42652	FALSE	14.3302132	8.279118	FALSE	669.27	280	0.03228	0.0000406
5487004175760	548700	4175760	8.286697	8.286697	10.58618	10.58618	FALSE	14.5496513	8.286697	FALSE	683.34	280	0.03228	0.0000406
5487204175760	548720	4175760	8.304937	8.304937	11.13132	11.13132	FALSE	15.2988862	8.304937	FALSE	697.70	280	0.03228	0.0000406
5487404175760	548740	4175760	8.32575	8.32575	11.76227	11.76227	TRUE	16.1660653	8.32575	TRUE	712.33	280	0.03228	0.0000406
5487604175760	548760	4175760	8.350958	8.350958	12.54717	12.54717	TRUE	17.2448236	8.350958	TRUE	727.22	280	0.03228	0.0000406
5487804175760	548780	4175760	8.375766	8.375766	13.28382	13.28382	TRUE	18.2572822	8.375766	TRUE	742.35	280	0.03228	0.0000406
5488004175760	548800	4175760	8.401818	8.401818	14.04873	14.04873	TRUE	19.3085704	8.401818	TRUE	757.71	280	0.03228	0.0000406
5488204175760	548820	4175760	8.428793	8.428793	14.82991	14.82991	TRUE	20.3822297	8.428793	TRUE	773.27	280	0.03228	0.0000406
5488404175760	548840	4175760	8.463953	8.463953	15.8893	15.8893	TRUE	21.8382553	8.463953	TRUE	789.04	280	0.03228	0.0000406
5488604175760	548860	4175760	8.509286	8.509286	17.29845	17.29845	TRUE	23.7749869	8.509286	TRUE	805.00	280	0.03228	0.0000406
5488804175760	548880	4175760	8.572659	8.572659	19.43075	19.43075	TRUE	26.7056173	8.572659	TRUE	821.13	280	0.03228	0.0000406
5489004175760	548900	4175760	8.698573	8.698573	24.12598	24.12598	TRUE	33.1587469	8.698573	TRUE	837.43	280	0.03228	0.0000406
5489204175760	548920	4175760	8.898669	8.898669	29.90263	29.90263	TRUE	41.0981705	8.898669	TRUE	853.88	280	0.03228	0.0000406
5489404175760	548940	4175760	9.44577	9.44577	44.40647	44.40647	TRUE	61.0322551	9.44577	TRUE	870.49	280	0.03228	0.0000406
5489604175760	548960	4175760	10.34493	10.34493	66.99483	66.99483	FALSE	92.0776875	10.344933	FALSE	887.23	280	0.03228	0.0000406
5489804175760	548980	4175760	10.61142	10.61142	73.19882	73.19882	FALSE	100.604461	10.611421	FALSE	904.11	280	0.03228	0.0000406
5490004175760	549000	4175760	9.876723	9.876723	54.18671	54.18671	FALSE	74.4742074	9.876723	FALSE	921.11	280	0.03228	0.0000406
5490204175760	549020	4175760	10.05156	10.05156	58.28424	58.28424	TRUE	80.105854	10.051562	TRUE	938.24	280	0.03228	0.0000406
5490404175760	549040	4175760	9.535972	9.535972	45.12556	45.12556	TRUE	62.0205655	9.535972	TRUE	955.47	280	0.03228	0.0000406
5490604175760	549060	4175760	9.313427	9.313427	39.53954	39.53954	TRUE	54.3431493	9.313427	TRUE	972.81	280	0.03228	0.0000406
5490804175760	549080	4175760	9.196108	9.196108	37.12323	37.12323	FALSE	51.0221714	9.196108	FALSE	990.25	280	0.03228	0.0000406
5491004175760	549100	4175760	9.134339	9.134339	36.38744	36.38744	TRUE	50.0108989	9.134339	TRUE	1007.78	280	0.03228	0.0000406
5491204175760	549120	4175760	9.07692	9.07692	35.64675	35.64675	TRUE	48.9928946	9.07692	TRUE	1025.40	280	0.03228	0.0000406
5469404175780	546940	4175780	8.492053	8.492053	14.97726	14.97726	FALSE	20.5847448	8.492053	FALSE	1368.96	280	0.03228	0.0000406
5469604175780	546960	4175780	8.388683	8.388683	11.37736	11.37736	FALSE	15.637045	8.388683	FALSE	1350.36	280	0.03228	0.0000406
5469804175780	546980	4175780	8.343046	8.343046	9.705995	9.705995	FALSE	13.3399195	8.343046	FALSE	1331.81	280	0.03228	0.0000406
5470004175780	547000	4175780	8.317407	8.317407	8.69941	8.69941	FALSE	11.9564691	8.317407	FALSE	1313.30	280	0.03228	0.0000406
5470204175780	547020	4175780	8.302198	8.302198	8.024896	8.024896	FALSE	11.0294171	8.302198	FALSE	1294.83	280	0.03228	0.0000406
5470404175780	547040	4175780	8.289086	8.289086	7.326279	7.326279	FALSE	10.0692379	8.289086	FALSE	1276.41	280	0.03228	0.0000406
5470604175780	547060	4175780	8.292003	8.292003	7.065649	7.065649	FALSE	9.71102799	8.292003	FALSE	1258.03	280	0.03228	0.0000406
5470804175780	547080	4175780	8.279808	8.279808	6.565727	6.565727	FALSE	9.02393519	8.279808	FALSE	1239.71	280	0.03228	0.0000406
5471004175780	547100	4175780	8.280397	8.280397	6.537684	6.537684	FALSE	8.98539289	8.280397	FALSE	1221.44	280	0.03228	0.0000406
5471204175780	547120	4175780	8.263985	8.263985	6.197191	6.197191	FALSE	8.51741931	8.263985	FALSE	1203.22	280	0.03228	0.0000406
5471404175780	547140	4175780	8.258918	8.258918	6.130941	6.130941	FALSE	8.42636531	8.258918	FALSE	1185.06	280	0.03228	0.0000406
5471604175780	547160	4175780	8.255161	8.255161	6.012587	6.012587	FALSE	8.26369957	8.255161	FALSE	1166.97	280	0.03228	0.0000406
5471804175780	547180	4175780	8.258873	8.258873	6.028161	6.028161	FALSE	8.28510448	8.258873	FALSE	1148.93	280	0.03228	0.0000406
5472004175780	547200	4175780	8.258432	8.258432	5.875009	5.875009	FALSE	8.07461237	8.258432	FALSE	1130.96	280	0.03228	0.0000406
5472204175780	547220	4175780	8.265548	8.265548	5.900562	5.900562	FALSE	8.10973241	8.265548	FALSE	1113.06	280	0.03228	0.0000406
5472404175780	547240	4175780	8.289216	8.289216	6.22049	6.22049	FALSE	8.54944146	8.289216	FALSE	1095.24	280	0.03228	0.0000406
5472604175780	547260	4175780	8.28714	8.28714	6.257178	6.257178	FALSE	8.59986544	8.28714	FALSE	1077.49	280	0.03228	0.0000406
5472804175780	547280	4175780	8.249827	8.249827	5.430448	5.430448	FALSE	7.46360773	8.249827	FALSE	1059.82	280	0.03228	0.0000406
5473004175780	547300	4175780	8.234414	8.234414	5.043021	5.043021	FALSE	6.93112806	8.234414	FALSE	1042.23	280	0.03228	0.0000406
5473204175780	547320	4175780	8.207996	8.207996	4.313408	4.313408	FALSE	5.92834796	8.207996	FALSE	1024.73	280	0.03228	0.0000406
5473404175780	547340	4175780	8.197968	8.197968	4.03349	4.03349	FALSE	5.54362866	8.197968	FALSE	1007.33	280	0.03228	0.0000406
5473604175780	547360	4175780	8.204649	8.204649	4.158591	4.158591	FALSE	5.71556747	8.204649	FALSE	990.02	280	0.03228	0.0000406
5473804175780	547380	4175780	8.205542	8.205542	4.20056	4.20056	FALSE	5.77324966	8.205542	FALSE	972.82	280	0.03228	0.0000406
5474004175780	547400	4175780	8.216931	8.216931	4.470823	4.470823	FALSE	6.14469913	8.216931	FALSE	955.73	280	0.03228	0.0000406

5474204175780	547420	4175780	8.208159	8.208159	4.248489	4.248489	FALSE	5.83912328	8.208159	FALSE	938.75	280	0.03228	0.0000406
5474404175780	547440	4175780	8.190777	8.190777	3.826737	3.826737	FALSE	5.25946733	8.190777	FALSE	921.89	280	0.03228	0.0000406
5474604175780	547460	4175780	8.182268	8.182268	3.609686	3.609686	FALSE	4.96115244	8.182268	FALSE	905.16	280	0.03228	0.0000406
5474804175780	547480	4175780	8.179752	8.179752	3.55132	3.55132	FALSE	4.88093421	8.179752	FALSE	888.56	280	0.03228	0.0000406
5475004175780	547500	4175780	8.180583	8.180583	3.565562	3.565562	FALSE	4.90050841	8.180583	FALSE	872.11	280	0.03228	0.0000406
5475204175780	547520	4175780	8.181004	8.181004	3.548078	3.548078	FALSE	4.8764784	8.181004	FALSE	855.81	280	0.03228	0.0000406
5475404175780	547540	4175780	8.185116	8.185116	3.61426	3.61426	FALSE	4.96743894	8.185116	FALSE	839.67	280	0.03228	0.0000406
5475604175780	547560	4175780	8.197929	8.197929	3.887183	3.887183	FALSE	5.34254432	8.197929	FALSE	823.70	280	0.03228	0.0000406
5475804175780	547580	4175780	8.22874	8.22874	4.562148	4.562148	FALSE	6.27021621	8.22874	FALSE	807.90	280	0.03228	0.0000406
5476004175780	547600	4175780	8.288102	8.288102	5.769589	5.769589	FALSE	7.92972312	8.288102	FALSE	792.30	280	0.03228	0.0000406
5476204175780	547620	4175780	8.232533	8.232533	4.872795	4.872795	FALSE	6.69716945	8.232533	FALSE	776.90	280	0.03228	0.0000406
5476404175780	547640	4175780	8.222185	8.222185	4.806547	4.806547	FALSE	6.6061182	8.222185	FALSE	761.72	280	0.03228	0.0000406
5476604175780	547660	4175780	8.21832	8.21832	4.835215	4.835215	FALSE	6.6455195	8.21832	FALSE	746.76	280	0.03228	0.0000406
5476804175780	547680	4175780	8.217693	8.217693	4.926666	4.926666	FALSE	6.77120975	8.217693	FALSE	732.04	280	0.03228	0.0000406
5477004175780	547700	4175780	8.217945	8.217945	5.028489	5.028489	FALSE	6.91115528	8.217945	FALSE	717.57	280	0.03228	0.0000406
5477204175780	547720	4175780	8.220608	8.220608	5.203952	5.203952	FALSE	7.15231163	8.220608	FALSE	703.38	280	0.03228	0.0000406
5477404175780	547740	4175780	8.224913	8.224913	5.43429	5.43429	FALSE	7.46888818	8.224913	FALSE	689.48	280	0.03228	0.0000406
5477604175780	547760	4175780	8.225572	8.225572	5.495016	5.495016	FALSE	7.55234999	8.225572	FALSE	675.88	280	0.03228	0.0000406
5477804175780	547780	4175780	8.22817	8.22817	5.633736	5.633736	FALSE	7.74300676	8.22817	FALSE	662.60	280	0.03228	0.0000406
5478004175780	547800	4175780	8.230889	8.230889	5.746281	5.746281	FALSE	7.89768861	8.230889	FALSE	649.67	280	0.03228	0.0000406
5478204175780	547820	4175780	8.235664	8.235664	5.89725	5.89725	FALSE	8.1051804	8.235664	FALSE	637.11	280	0.03228	0.0000406
5478404175780	547840	4175780	8.24567	8.24567	6.173413	6.173413	FALSE	8.48473883	8.24567	FALSE	624.93	280	0.03228	0.0000406
5478604175780	547860	4175780	8.257099	8.257099	6.433052	6.433052	FALSE	8.84158667	8.257099	FALSE	613.17	280	0.03228	0.0000406
5478804175780	547880	4175780	8.292841	8.292841	7.253594	7.253594	FALSE	9.96933959	8.292841	FALSE	601.84	280	0.03228	0.0000406
5479004175780	547900	4175780	8.328685	8.328685	8.072229	8.072229	FALSE	11.0944715	8.328685	FALSE	590.97	280	0.03228	0.0000406
5479204175780	547920	4175780	8.275789	8.275789	7.13582	7.13582	FALSE	9.80747101	8.275789	FALSE	580.58	280	0.03228	0.0000406
5479404175780	547940	4175780	8.264104	8.264104	7.110618	7.110618	FALSE	9.77283338	8.264104	FALSE	570.71	280	0.03228	0.0000406
5479604175780	547960	4175780	8.264749	8.264749	7.460584	7.460584	FALSE	10.2538266	8.264749	FALSE	561.38	280	0.03228	0.0000406
5479804175780	547980	4175780	8.273126	8.273126	8.034233	8.034233	FALSE	11.0422498	8.273126	FALSE	552.61	280	0.03228	0.0000406
5480004175780	548000	4175780	8.276537	8.276537	8.426276	8.426276	FALSE	11.5810737	8.276537	FALSE	544.43	280	0.03228	0.0000406
5480204175780	548020	4175780	8.281085	8.281085	8.839519	8.839519	FALSE	12.1490349	8.281085	FALSE	536.88	280	0.03228	0.0000406
5480404175780	548040	4175780	8.283892	8.283892	9.200481	9.200481	FALSE	12.6451411	8.283892	FALSE	529.98	280	0.03228	0.0000406
5480604175780	548060	4175780	8.291774	8.291774	9.816086	9.816086	FALSE	13.4912286	8.291774	FALSE	523.75	280	0.03228	0.0000406
5480804175780	548080	4175780	8.301841	8.301841	10.58206	10.58206	FALSE	14.5439874	8.301841	FALSE	518.21	280	0.03228	0.0000406
5481004175780	548100	4175780	8.314288	8.314288	11.49217	11.49217	FALSE	15.7948426	8.314288	FALSE	513.40	280	0.03228	0.0000406
5481204175780	548120	4175780	8.325569	8.325569	12.41508	12.41508	FALSE	17.0632914	8.325569	FALSE	509.32	280	0.03228	0.0000406
5481404175780	548140	4175780	8.340512	8.340512	13.5344	13.5344	FALSE	18.6016794	8.340512	FALSE	506.01	280	0.03228	0.0000406
5481604175780	548160	4175780	8.35927	8.35927	14.88607	14.88607	FALSE	20.4594132	8.35927	FALSE	503.46	280	0.03228	0.0000406
5481804175780	548180	4175780	8.375929	8.375929	16.57277	16.57277	FALSE	22.7776178	8.375929	FALSE	501.71	280	0.03228	0.0000406
5482004175780	548200	4175780	8.399528	8.399528	18.86275	18.86275	FALSE	25.9249663	8.399528	FALSE	500.74	280	0.03228	0.0000406
5482204175780	548220	4175780	8.472722	8.472722	23.58948	23.58948	FALSE	32.4213827	8.472722	FALSE	500.58	280	0.03228	0.0000406
5482404175780	548240	4175780	8.664712	8.664712	35.58751	35.58751	FALSE	48.9114669	8.664712	FALSE	501.21	280	0.03228	0.0000406
5482604175780	548260	4175780	8.726255	8.726255	39.23661	39.23661	FALSE	53.9267968	8.726255	FALSE	502.64	280	0.03228	0.0000406
5482804175780	548280	4175780	8.72469	8.72469	39.10079	39.10079	FALSE	53.7401299	8.72469	FALSE	504.85	280	0.03228	0.0000406
5483004175780	548300	4175780	8.535564	8.535564	27.75219	27.75219	FALSE	38.1426141	8.535564	FALSE	507.85	280	0.03228	0.0000406
5483204175780	548320	4175780	8.447566	8.447566	22.46843	22.46843	FALSE	30.8806157	8.447566	FALSE	511.61	280	0.03228	0.0000406
5483404175780	548340	4175780	8.389678	8.389678	18.97524	18.97524	FALSE	26.079563	8.389678	FALSE	516.12	280	0.03228	0.0000406
5483604175780	548360	4175780	8.358851	8.358851	17.02848	17.02848	FALSE	23.4039429	8.358851	FALSE	521.35	280	0.03228	0.0000406
5483804175780	548380	4175780	8.340743	8.340743	15.83745	15.83745	FALSE	21.7669899	8.340743	FALSE	527.30	280	0.03228	0.0000406
5484004175780	548400	4175780	8.325565	8.325565	14.87166	14.87166	FALSE	20.4396109	8.325565	FALSE	533.92	280	0.03228	0.0000406
5484204175780	548420	4175780	8.311264	8.311264	13.96844	13.96844	FALSE	19.1982198	8.311264	FALSE	541.21	280	0.03228	0.0000406
5484404175780	548440	4175780	8.298709	8.298709	13.18968	13.18968	FALSE	18.1278907	8.298709	FALSE	549.13	280	0.03228	0.0000406
5484604175780	548460	4175780	8.288967	8.288967	12.57445	12.57445	FALSE	17.2823227	8.288967	FALSE	557.65	280	0.03228	0.0000406
5484804175780	548480	4175780	8.28186	8.28186	12.1129	12.1129	FALSE	16.6479753	8.28186	FALSE	566.75	280	0.03228	0.0000406
5485004175780	548500	4175780	8.278242	8.278242	11.80921	11.80921	FALSE	16.2305837	8.278242	FALSE	576.40	280	0.03228	0.0000406
5485204175780	548520	4175780	8.275704	8.275704	11.54458	11.54458	FALSE	15.8668735	8.275704	FALSE	586.58	280	0.03228	0.0000406
5485404175780	548540	4175780	8.266546	8.266546	11.03186	11.03186	FALSE	15.1621884	8.266546	FALSE	597.25	280	0.03228	0.0000406
5485604175780	548560	4175780	8.258563	8.258563	10.57418	10.57418	FALSE	14.5331502	8.258563	FALSE	608.39	280	0.03228	0.0000406
5485804175780	548580	4175780	8.252386	8.252386	10.24128	10.24128	FALSE	14.0756111	8.252386	FALSE	619.98	280	0.03228	0.0000406
5486004175780	548600	4175780	8.251247	8.251247	10.11252	10.11252	FALSE	13.8986489	8.251247	FALSE	631.99	280	0.03228	0.0000406
5486204175780	548620	4175780	8.251923	8.251923	10.0694	10.0694	FALSE	13.8393861	8.251923	FALSE	644.39	280	0.03228	0.0000406
5486404175780	548640	4175780	8.255995	8.255995	10.18266	10.18266	FALSE	13.9950438	8.255995	FALSE	657.17	280	0.03228	0.0000406
5486604175780	548660	4175780	8.263705	8.263705	10.43183	10.43183	FALSE	14.3375085	8.263705	FALSE	670.30	280	0.03228	0.0000406
5486804175780	548680	4175780	8.270868	8.270868	10.62476	10.62476	FALSE	14.6026743	8.270868	FALSE	683.77	280	0.03228	0.0000406
5487004175780	548700	4175780	8.27882	8.27882	10.80519	10.80519	FALSE	14.8506545	8.27882	FALSE	697.55	280	0.03228	0.0000406
5487204175780	548720	4175780	8.293882	8.293882	11.24198	11.24198	FALSE	15.4509718	8.293882	FALSE	711.62	280	0.03228	0.0000406
5487404175780	548740	4175780	8.311841	8.311841	11.79311	11.79311	FALSE	16.2084518	8.311841	FALSE	725.98	280	0.03228	0.0000406
5487604175780	548760	4175780	8.335927	8.335927	12.57194	12.57194	FALSE	17.2788757	8.335927	FALSE	740.59	280	0.03228	0.0000406
5487804175780	548780	4175780	8.360711	8.360711	13.3379	13.3379	TRUE	18.3316111	8.360711	TRUE	755.45	280	0.03228	0.0000406
5488004175780	548800	4175780	8.379605	8.379605	13.8927	13.8927	TRUE	19.0941324	8.379605	TRUE	770.55	280	0.03228	0.0000406
5488204175780	548820	4175780	8.388608	8.388608	14.10712	14.10712	TRUE	19.3888285	8.388608	TRUE	785.86	280	0.03228	0.0000406
5488404175780	548840	4175780	8.40665	8.40665	14.60657	14.60657	TRUE	20.0752753	8.40665	TRUE	801.38	280	0.03228	0.0000406
5488604175780	548860	4175780	8.432476	8.432476	15.353	15.353	TRUE	21.1011646	8.432476	TRUE	817.09	280	0.03228	0.0000406
5488804175780	548880	4175780	8.469491	8.469491	16.46111	16.46111	TRUE	22.6241537	8.469491	TRUE	832.99	280	0.03228	0.0000406
5489004175780	548900	4175780	8.560332	8.560332	19.43124	19.43124	TRUE	26.7062976	8.560332	TRUE	849.06	280	0.03228	0.0000406
5489204175780	548920	4175780	8.707448	8.707448	24.72943	24.72943	TRUE	33.9881217	8.707448	TRUE	865.30	280	0.03228	0.0000406
5489404175780	548940	4175780	8.972844	8.972844	35.1931	35.1931	TRUE	48.3693939	8.972844	TRUE	881.69	280	0.03228	0.0000406
5489604175780	548960	4175780	9.530483	9.530483	47.67629	47.67629	TRUE	65.5262861	9.530483	TRUE	898.22	280	0.03228	0.0000406
5489804175780	548980	4175780	10.383	10.383	68.98207	68.98207	FALSE	94.8089529	10.383002	FALSE	914.90	280	0.03228	0.0000406
5490004175780	549000	4175780	10.76003	10.76003	77.90176	77.90176	FALSE	107.068176	10.760031	FALSE	931.70	280	0.03228	0.0000406
5490204175780	549020	4175780	9.906939	9.906939	55.66287	55.66287	FALSE	76.5030513	9.906939	FALSE	948.63	280	0.03228	0.0000406
5490404175780	549040	4175780	10.18283	10.18283	62.33314	62.33314	TRUE	85.6706662	10.182826	TRUE	965.68	280	0.03228	0.0000406
5490604175780	549060	4175780	9.610569	9.610569	47.87321	47.87321	TRUE	65.7969412	9.610569	TRUE	982.84	280	0.03228	0.0000406
5490804175780	549080	4175780	9.404035	9.404035	43.68252	43.68252	TRUE	60.0372486	9.404035	TRUE	1000.10	280	0.03228	0.0000406
5491004175780	549100	4175780	9.324724	9.324724	43.33442	43.33442	FALSE	59.55882	9.324724	FALSE	1017.47	280	0.03228	0.0000406
5491204175780	549120	4175780	9.273019	9.273019	44.26144	44.26144	TRUE	60.8329163	9.273019	TRUE	1034.93	280	0.03228	0.0000406
5469404175800	546940	4175800	8.412876	8.412876	12.17817	12.17817	FALSE	16.7376768	8.412876	FALSE	1376.40	280	0.03228	0.0000406
5469604175800	546960	4175800	8.341319	8.341319	9.620827	9.620827	FALSE	13.2228646	8.341319	FALSE	1357.90	280	0.03228	0.0000406
5469804175800	546980	4175800	8.314415	8.314415	8.615883	8.615883	FALSE	11.8416696	8.314415	FALSE	1339.45	280	0.03228	0.0000406
5470004175800	547000	4175800	8.294646	8.294646	7.839124	7.839124	FALSE	10.774092	8.294646	FALSE	1321.05	280	0.03228	0.0000406
5470204175800	547020	4175800	8.281756	8.281756	7.27996	7.27996	FALSE	10.005577	8.281756	FALSE	1302.69	280	0.03228	0.0000406
5470404175800	547040	4175800	8.269225	8.269225	6.662502	6.662502	FALSE	9.15694275	8.269225	FALSE	1284.38	280	0.03228	0.0000406
5470604175800	547060	4175800	8.26523	8.26523	6.295644	6.295644	FALSE	8.65273311	8.26523	FALSE	1266.12	280	0.03228	0.0000406
5470804175800	547080	4175800	8.280898	8.280898	6.418509	6.418509	FALSE	8.82159877	8.280898	FALSE	1247.92	280	0.03228	0.0000406

5471004175800	547100	4175800	8.300321	8.300321	6.7904	6.7904	FALSE	9.33272576	8.300321	FALSE	1229.77	280	0.03228	0.0000406
5471204175800	547120	4175800	8.267133	8.267133	6.095591	6.095591	FALSE	8.37778027	8.267133	FALSE	1211.68	280	0.03228	0.0000406
5471404175800	547140	4175800	8.259704	8.259704	5.989559	5.989559	FALSE	8.23204989	8.259704	FALSE	1193.65	280	0.03228	0.0000406
5471604175800	547160	4175800	8.257684	8.257684	5.931518	5.931518	FALSE	8.15227834	8.257684	FALSE	1175.68	280	0.03228	0.0000406
5471804175800	547180	4175800	8.264509	8.264509	6.046129	6.046129	FALSE	8.3097997	8.264509	FALSE	1157.78	280	0.03228	0.0000406
5472004175800	547200	4175800	8.270528	8.270528	6.073865	6.073865	FALSE	8.34792006	8.270528	FALSE	1139.96	280	0.03228	0.0000406
5472204175800	547220	4175800	8.278884	8.278884	6.042477	6.042477	FALSE	8.30478039	8.278884	FALSE	1122.20	280	0.03228	0.0000406
5472404175800	547240	4175800	8.315705	8.315705	6.747064	6.747064	FALSE	9.27316476	8.315705	FALSE	1104.52	280	0.03228	0.0000406
5472604175800	547260	4175800	8.263249	8.263249	5.76368	5.76368	FALSE	7.92160179	8.263249	FALSE	1086.92	280	0.03228	0.0000406
5472804175800	547280	4175800	8.234231	8.234231	5.012352	5.012352	FALSE	6.88897659	8.234231	FALSE	1069.41	280	0.03228	0.0000406
5473004175800	547300	4175800	8.211485	8.211485	4.412922	4.412922	FALSE	6.06512	8.211485	FALSE	1051.98	280	0.03228	0.0000406
5473204175800	547320	4175800	8.192817	8.192817	3.899144	3.899144	FALSE	5.35898351	8.192817	FALSE	1034.65	280	0.03228	0.0000406
5473404175800	547340	4175800	8.184334	8.184334	3.66038	3.66038	FALSE	5.03082627	8.184334	FALSE	1017.41	280	0.03228	0.0000406
5473604175800	547360	4175800	8.179699	8.179699	3.5279	3.5279	FALSE	4.84874576	8.179699	FALSE	1000.28	280	0.03228	0.0000406
5473804175800	547380	4175800	8.179847	8.179847	3.550487	3.550487	FALSE	4.87978933	8.179847	FALSE	983.26	280	0.03228	0.0000406
5474004175800	547400	4175800	8.182082	8.182082	3.596858	3.596858	FALSE	4.94352164	8.182082	FALSE	966.35	280	0.03228	0.0000406
5474204175800	547420	4175800	8.186755	8.186755	3.692728	3.692728	FALSE	5.07528536	8.186755	FALSE	949.56	280	0.03228	0.0000406
5474404175800	547440	4175800	8.20307	8.20307	4.072676	4.072676	FALSE	5.59748589	8.20307	FALSE	932.90	280	0.03228	0.0000406
5474604175800	547460	4175800	8.193262	8.193262	3.816415	3.816415	FALSE	5.24528078	8.193262	FALSE	916.37	280	0.03228	0.0000406
5474804175800	547480	4175800	8.182737	8.182737	3.560386	3.560386	FALSE	4.89339452	8.182737	FALSE	899.98	280	0.03228	0.0000406
5475004175800	547500	4175800	8.180132	8.180132	3.486713	3.486713	FALSE	4.79213835	8.180132	FALSE	883.74	280	0.03228	0.0000406
5475204175800	547520	4175800	8.179136	8.179136	3.435629	3.435629	FALSE	4.7219285	8.179136	FALSE	867.66	280	0.03228	0.0000406
5475404175800	547540	4175800	8.182541	8.182541	3.490861	3.490861	FALSE	4.79783936	8.182541	FALSE	851.74	280	0.03228	0.0000406
5475604175800	547560	4175800	8.194816	8.194816	3.761158	3.761158	FALSE	5.16933556	8.194816	FALSE	836.00	280	0.03228	0.0000406
5475804175800	547580	4175800	8.234109	8.234109	4.617286	4.617286	FALSE	6.34599788	8.234109	FALSE	820.45	280	0.03228	0.0000406
5476004175800	547600	4175800	8.263858	8.263858	5.2848	5.2848	FALSE	7.26342912	8.263858	FALSE	805.09	280	0.03228	0.0000406
5476204175800	547620	4175800	8.230942	8.230942	4.81571	4.81571	FALSE	6.61871182	8.230942	FALSE	789.94	280	0.03228	0.0000406
5476404175800	547640	4175800	8.220434	8.220434	4.714176	4.714176	FALSE	6.47916349	8.220434	FALSE	775.00	280	0.03228	0.0000406
5476604175800	547660	4175800	8.214706	8.214706	4.667089	4.667089	FALSE	6.41444712	8.214706	FALSE	760.31	280	0.03228	0.0000406
5476804175800	547680	4175800	8.211551	8.211551	4.658892	4.658892	FALSE	6.40318116	8.211551	FALSE	745.85	280	0.03228	0.0000406
5477004175800	547700	4175800	8.209854	8.209854	4.680657	4.680657	FALSE	6.43309498	8.209854	FALSE	731.66	280	0.03228	0.0000406
5477204175800	547720	4175800	8.211328	8.211328	4.801517	4.801517	FALSE	6.59920496	8.211328	FALSE	717.75	280	0.03228	0.0000406
5477404175800	547740	4175800	8.215338	8.215338	5.009562	5.009562	FALSE	6.88514201	8.215338	FALSE	704.13	280	0.03228	0.0000406
5477604175800	547760	4175800	8.215597	8.215597	5.052467	5.052467	FALSE	6.94411064	8.215597	FALSE	690.82	280	0.03228	0.0000406
5477804175800	547780	4175800	8.218466	8.218466	5.199178	5.199178	FALSE	7.14575024	8.218466	FALSE	677.84	280	0.03228	0.0000406
5478004175800	547800	4175800	8.222417	8.222417	5.361833	5.361833	FALSE	7.36930328	8.222417	FALSE	665.21	280	0.03228	0.0000406
5478204175800	547820	4175800	8.228484	8.228484	5.567592	5.567592	FALSE	7.65209844	8.228484	FALSE	652.94	280	0.03228	0.0000406
5478404175800	547840	4175800	8.237976	8.237976	5.833751	5.833751	FALSE	8.01790737	8.237976	FALSE	641.07	280	0.03228	0.0000406
5478604175800	547860	4175800	8.246148	8.246148	5.996618	5.996618	FALSE	8.24175178	8.246148	FALSE	629.60	280	0.03228	0.0000406
5478804175800	547880	4175800	8.281562	8.281562	6.868006	6.868006	FALSE	9.43938745	8.281562	FALSE	618.57	280	0.03228	0.0000406
5479004175800	547900	4175800	8.321331	8.321331	7.817501	7.817501	FALSE	10.7443734	8.321331	FALSE	608.00	280	0.03228	0.0000406
5479204175800	547920	4175800	8.27944	8.27944	7.144772	7.144772	FALSE	9.81977464	8.27944	FALSE	597.91	280	0.03228	0.0000406
5479404175800	547940	4175800	8.266639	8.266639	7.116601	7.116601	FALSE	9.78105641	8.266639	FALSE	588.33	280	0.03228	0.0000406
5479604175800	547960	4175800	8.265805	8.265805	7.41055	7.41055	FALSE	10.1850599	8.265805	FALSE	579.28	280	0.03228	0.0000406
5479804175800	547980	4175800	8.27197	8.27197	7.874675	7.874675	FALSE	10.8229533	8.27197	FALSE	570.79	280	0.03228	0.0000406
5480004175800	548000	4175800	8.272921	8.272921	8.141043	8.141043	FALSE	11.1890495	8.272921	FALSE	562.88	280	0.03228	0.0000406
5480204175800	548020	4175800	8.275782	8.275782	8.460965	8.460965	FALSE	11.6287503	8.275782	FALSE	555.58	280	0.03228	0.0000406
5480404175800	548040	4175800	8.277063	8.277063	8.716712	8.716712	FALSE	11.980249	8.277063	FALSE	548.91	280	0.03228	0.0000406
5480604175800	548060	4175800	8.287188	8.287188	9.491439	9.491439	FALSE	13.0450338	8.287188	FALSE	542.89	280	0.03228	0.0000406
5480804175800	548080	4175800	8.299678	8.299678	10.45784	10.45784	FALSE	14.3732594	8.299678	FALSE	537.55	280	0.03228	0.0000406
5481004175800	548100	4175800	8.315086	8.315086	11.62877	11.62877	FALSE	15.982587	8.315086	FALSE	532.91	280	0.03228	0.0000406
5481204175800	548120	4175800	8.328131	8.328131	12.7777	12.7777	FALSE	17.5616654	8.328131	FALSE	528.99	280	0.03228	0.0000406
5481404175800	548140	4175800	8.344238	8.344238	14.06275	14.06275	FALSE	19.3278477	8.344238	FALSE	525.80	280	0.03228	0.0000406
5481604175800	548160	4175800	8.363455	8.363455	15.49715	15.49715	FALSE	21.2992843	8.363455	FALSE	523.35	280	0.03228	0.0000406
5481804175800	548180	4175800	8.377607	8.377607	17.07975	17.07975	FALSE	23.4744139	8.377607	FALSE	521.66	280	0.03228	0.0000406
5482004175800	548200	4175800	8.393901	8.393901	18.96334	18.96334	FALSE	26.0632159	8.393901	FALSE	520.73	280	0.03228	0.0000406
5482204175800	548220	4175800	8.451534	8.451534	22.81137	22.81137	FALSE	31.3519414	8.451534	FALSE	520.57	280	0.03228	0.0000406
5482404175800	548240	4175800	8.607409	8.607409	32.87706	32.87706	FALSE	45.1862285	8.607409	FALSE	521.18	280	0.03228	0.0000406
5482604175800	548260	4175800	9.052249	9.052249	60.31499	60.31499	FALSE	82.8969278	9.052249	FALSE	522.55	280	0.03228	0.0000406
5482804175800	548280	4175800	8.727038	8.727038	40.63514	40.63514	FALSE	55.8489364	8.727038	FALSE	524.69	280	0.03228	0.0000406
5483004175800	548300	4175800	8.54	8.54	29.24839	29.24839	FALSE	40.19899	8.54	FALSE	527.57	280	0.03228	0.0000406
5483204175800	548320	4175800	8.460341	8.460341	24.33939	24.33939	FALSE	33.4520576	8.460341	FALSE	531.19	280	0.03228	0.0000406
5483404175800	548340	4175800	8.409066	8.409066	21.14831	21.14831	FALSE	29.0662386	8.409066	FALSE	535.53	280	0.03228	0.0000406
5483604175800	548360	4175800	8.375199	8.375199	18.91741	18.91741	FALSE	26.0000814	8.375199	FALSE	540.58	280	0.03228	0.0000406
5483804175800	548380	4175800	8.353391	8.353391	17.45562	17.45562	FALSE	23.9910096	8.353391	FALSE	546.32	280	0.03228	0.0000406
5484004175800	548400	4175800	8.334755	8.334755	16.17258	16.17258	FALSE	22.2275898	8.334755	FALSE	552.72	280	0.03228	0.0000406
5484204175800	548420	4175800	8.319483	8.319483	15.18479	15.18479	FALSE	20.8699713	8.319483	FALSE	559.76	280	0.03228	0.0000406
5484404175800	548440	4175800	8.305595	8.305595	14.25448	14.25448	FALSE	19.5913614	8.305595	FALSE	567.42	280	0.03228	0.0000406
5484604175800	548460	4175800	8.296249	8.296249	13.66903	13.66903	FALSE	18.7867121	8.296249	FALSE	575.67	280	0.03228	0.0000406
5484804175800	548480	4175800	8.287609	8.287609	13.08511	13.08511	FALSE	17.9841697	8.287609	FALSE	584.49	280	0.03228	0.0000406
5485004175800	548500	4175800	8.282033	8.282033	12.71873	12.71873	FALSE	17.4806239	8.282033	FALSE	593.85	280	0.03228	0.0000406
5485204175800	548520	4175800	8.275047	8.275047	12.20449	12.20449	FALSE	16.7738497	8.275047	FALSE	603.74	280	0.03228	0.0000406
5485404175800	548540	4175800	8.265001	8.265001	11.72168	11.72168	FALSE	16.110277	8.265001	FALSE	614.11	280	0.03228	0.0000406
5485604175800	548560	4175800	8.256653	8.256653	11.32941	11.32941	FALSE	15.5711411	8.256653	FALSE	624.95	280	0.03228	0.0000406
5485804175800	548580	4175800	8.250292	8.250292	11.03514	11.03514	FALSE	15.1666992	8.250292	FALSE	636.24	280	0.03228	0.0000406
5486004175800	548600	4175800	8.250211	8.250211	10.95472	10.95472	FALSE	15.0561617	8.250211	FALSE	647.94	280	0.03228	0.0000406
5486204175800	548620	4175800	8.251291	8.251291	10.89966	10.89966	FALSE	14.98049	8.251291	FALSE	660.05	280	0.03228	0.0000406
5486404175800	548640	4175800	8.255682	8.255682	11.04125	11.04125	FALSE	15.1750871	8.255682	FALSE	672.53	280	0.03228	0.0000406
5486604175800	548660	4175800	8.270862	8.270862	11.95948	11.95948	FALSE	16.4371038	8.270862	FALSE	685.37	280	0.03228	0.0000406
5486804175800	548680	4175800	8.284043	8.284043	12.70142	12.70142	FALSE	17.4568262	8.284043	FALSE	698.54	280	0.03228	0.0000406
5487004175800	548700	4175800	8.292344	8.292344	12.93535	12.93535	FALSE	17.778345	8.292344	FALSE	712.04	280	0.03228	0.0000406
5487204175800	548720	4175800	8.303348	8.303348	13.16145	13.16145	FALSE	18.0890955	8.303348	FALSE	725.83	280	0.03228	0.0000406
5487404175800	548740	4175800	8.317748	8.317748	13.49187	13.49187	FALSE	18.5432275	8.317748	FALSE	739.91	280	0.03228	0.0000406
5487604175800	548760	4175800	8.340839	8.340839	14.24379	14.24379	FALSE	19.5766677	8.340839	FALSE	754.25	280	0.03228	0.0000406
5487804175800	548780	4175800	8.362672	8.362672	15.01421	15.01421	TRUE	20.6355234	8.362672	TRUE	768.85	280	0.03228	0.0000406
5488004175800	548800	4175800	8.37691	8.37691	15.44396	15.44396	TRUE	21.22618	8.37691	TRUE	783.69	280	0.03228	0.0000406
5488204175800	548820	4175800	8.379322	8.379322	15.3407	15.3407	TRUE	21.0842567	8.379322	TRUE	798.75	280	0.03228	0.0000406
5488404175800	548840	4175800	8.391353	8.391353	15.55144	15.55144	TRUE	21.3738936	8.391353	TRUE	814.02	280	0.03228	0.0000406
5488604175800	548860	4175800	8.409145	8.409145	15.96814	15.96814	TRUE	21.9466157	8.409145	TRUE	829.50	280	0.03228	0.0000406
5488804175800	548880	4175800	8.434713	8.434713	16.64513	16.64513	TRUE	22.8770639	8.434713	TRUE	845.16	280	0.03228	0.0000406
5489004175800	548900	4175800	8.5084	8.5084	19.00948	19.00948	TRUE	26.1266293	8.5084	TRUE	861.00	280	0.03228	0.0000406
5489204175800	548920	4175800	8.605354	8.605354	22.24526	22.24526	TRUE	30.5738867	8.605354	TRUE	877.02	280	0.03228	0.0000406
5489404175800	548940	4175800	8.737095	8.737095	26.67807	26.67807	TRUE	36.6663394	8.737095	TRUE	893.19	280	0.03228	0.0000406
5489604175800	548960	4175800	9.028094	9.028094	37.58245	37.58245	TRUE	51.6533248	9.028094	TRUE	909.52	280	0.03228	0.0000406

5489804175800	548980	4175800	9.473161	9.473161	49.13724	49.13724	FALSE	67.534224	9.473161	FALSE	925.99	280	0.03228	0.0000406
5490004175800	549000	4175800	10.17526	10.17526	65.99976	65.99976	FALSE	90.7100688	10.17526	FALSE	942.60	280	0.03228	0.0000406
5490204175800	549020	4175800	10.18932	10.18932	64.55266	64.55266	FALSE	88.72118	10.189317	FALSE	959.34	280	0.03228	0.0000406
5490404175800	549040	4175800	10.84234	10.84234	81.0497	81.0497	FALSE	111.394705	10.84234	FALSE	976.20	280	0.03228	0.0000406
5490604175800	549060	4175800	10.50026	10.50026	71.23737	71.23737	FALSE	97.9086468	10.500259	FALSE	993.17	280	0.03228	0.0000406
5490804175800	549080	4175800	9.709215	9.709215	52.98185	52.98185	TRUE	72.8182546	9.709215	TRUE	1010.26	280	0.03228	0.0000406
5491004175800	549100	4175800	9.563704	9.563704	50.20968	50.20968	FALSE	69.0081897	9.563704	FALSE	1027.45	280	0.03228	0.0000406
5491204175800	549120	4175800	9.525446	9.525446	53.88025	53.88025	FALSE	74.0530183	9.525446	FALSE	1044.75	280	0.03228	0.0000406
5469604175820	546960	4175820	8.322429	8.322429	8.943873	8.943873	FALSE	12.2924591	8.322429	FALSE	1365.69	280	0.03228	0.0000406
5469804175820	546980	4175820	8.298873	8.298873	8.050428	8.050428	FALSE	11.0645082	8.298873	FALSE	1347.35	280	0.03228	0.0000406
5470004175820	547000	4175820	8.280348	8.280348	7.317567	7.317567	FALSE	10.0572641	8.280348	FALSE	1329.06	280	0.03228	0.0000406
5470204175820	547020	4175820	8.266167	8.266167	6.71329	6.71329	FALSE	9.22674578	8.266167	FALSE	1310.81	280	0.03228	0.0000406
5470404175820	547040	4175820	8.254709	8.254709	6.172256	6.172256	FALSE	8.48314865	8.254709	FALSE	1292.62	280	0.03228	0.0000406
5470604175820	547060	4175820	8.248317	8.248317	5.796112	5.796112	FALSE	7.96617633	8.248317	FALSE	1274.48	280	0.03228	0.0000406
5470804175820	547080	4175820	8.250125	8.250125	5.651344	5.651344	FALSE	7.76720719	8.250125	FALSE	1256.39	280	0.03228	0.0000406
5471004175820	547100	4175820	8.253019	8.253019	5.65067	5.65067	FALSE	7.76628085	8.253019	FALSE	1238.37	280	0.03228	0.0000406
5471204175820	547120	4175820	8.266054	8.266054	5.913385	5.913385	FALSE	8.12735634	8.266054	FALSE	1220.40	280	0.03228	0.0000406
5471404175820	547140	4175820	8.25325	8.25325	5.702303	5.702303	FALSE	7.83724524	8.25325	FALSE	1202.51	280	0.03228	0.0000406
5471604175820	547160	4175820	8.260568	8.260568	5.901331	5.901331	FALSE	8.11078933	8.260568	FALSE	1184.67	280	0.03228	0.0000406
5471804175820	547180	4175820	8.25637	8.25637	5.751546	5.751546	FALSE	7.90492482	8.25637	FALSE	1166.91	280	0.03228	0.0000406
5472004175820	547200	4175820	8.251393	8.251393	5.528368	5.528368	FALSE	7.59818898	8.251393	FALSE	1149.23	280	0.03228	0.0000406
5472204175820	547220	4175820	8.252467	8.252467	5.405911	5.405911	FALSE	7.42988408	8.252467	FALSE	1131.62	280	0.03228	0.0000406
5472404175820	547240	4175820	8.270974	8.270974	5.683031	5.683031	FALSE	7.81075781	8.270974	FALSE	1114.09	280	0.03228	0.0000406
5472604175820	547260	4175820	8.235283	8.235283	5.036803	5.036803	FALSE	6.92258204	8.235283	FALSE	1096.64	280	0.03228	0.0000406
5472804175820	547280	4175820	8.214045	8.214045	4.471161	4.471161	FALSE	6.14516368	8.214045	FALSE	1079.28	280	0.03228	0.0000406
5473004175820	547300	4175820	8.19804	8.19804	4.046418	4.046418	FALSE	5.5613969	8.19804	FALSE	1062.02	280	0.03228	0.0000406
5473204175820	547320	4175820	8.184732	8.184732	3.676428	3.676428	FALSE	5.05288264	8.184732	FALSE	1044.85	280	0.03228	0.0000406
5473404175820	547340	4175820	8.17826	8.17826	3.490113	3.490113	FALSE	4.79681131	8.17826	FALSE	1027.79	280	0.03228	0.0000406
5473604175820	547360	4175820	8.174551	8.174551	3.378474	3.378474	FALSE	4.64337467	8.174551	FALSE	1010.83	280	0.03228	0.0000406
5473804175820	547380	4175820	8.174016	8.174016	3.375745	3.375745	FALSE	4.63962393	8.174016	FALSE	993.99	280	0.03228	0.0000406
5474004175820	547400	4175820	8.174029	8.174029	3.361677	3.361677	FALSE	4.62028887	8.174029	FALSE	977.27	280	0.03228	0.0000406
5474204175820	547420	4175820	8.175039	8.175039	3.369987	3.369987	FALSE	4.63171013	8.175039	FALSE	960.67	280	0.03228	0.0000406
5474404175820	547440	4175820	8.180007	8.180007	3.482646	3.482646	FALSE	4.78654866	8.180007	FALSE	944.20	280	0.03228	0.0000406
5474604175820	547460	4175820	8.18842	8.18842	3.657395	3.657395	FALSE	5.02672369	8.18842	FALSE	927.88	280	0.03228	0.0000406
5474804175820	547480	4175820	8.202588	8.202588	3.973941	3.973941	FALSE	5.46178451	8.202588	FALSE	911.69	280	0.03228	0.0000406
5475004175820	547500	4175820	8.188111	8.188111	3.599751	3.599751	FALSE	4.94749777	8.188111	FALSE	895.67	280	0.03228	0.0000406
5475204175820	547520	4175820	8.184862	8.184862	3.494413	3.494413	FALSE	4.80272123	8.184862	FALSE	879.80	280	0.03228	0.0000406
5475404175820	547540	4175820	8.187629	8.187629	3.545447	3.545447	FALSE	4.87286236	8.187629	FALSE	864.11	280	0.03228	0.0000406
5475604175820	547560	4175820	8.200832	8.200832	3.848364	3.848364	FALSE	5.28919148	8.200832	FALSE	848.60	280	0.03228	0.0000406
5475804175820	547580	4175820	8.246909	8.246909	4.844591	4.844591	FALSE	6.65840587	8.246909	FALSE	833.28	280	0.03228	0.0000406
5476004175820	547600	4175820	8.264338	8.264338	5.294509	5.294509	FALSE	7.27677317	8.264338	FALSE	818.16	280	0.03228	0.0000406
5476204175820	547620	4175820	8.231235	8.231235	4.837497	4.837497	FALSE	6.64865588	8.231235	FALSE	803.26	280	0.03228	0.0000406
5476404175820	547640	4175820	8.220712	8.220712	4.708492	4.708492	FALSE	6.4713514	8.220712	FALSE	788.58	280	0.03228	0.0000406
5476604175820	547660	4175820	8.213006	8.213006	4.582187	4.582187	FALSE	6.29775781	8.213006	FALSE	774.14	280	0.03228	0.0000406
5476804175820	547680	4175820	8.206839	8.206839	4.461444	4.461444	FALSE	6.13180863	8.206839	FALSE	759.95	280	0.03228	0.0000406
5477004175820	547700	4175820	8.203357	8.203357	4.41519	4.41519	FALSE	6.06823714	8.203357	FALSE	746.02	280	0.03228	0.0000406
5477204175820	547720	4175820	8.202839	8.202839	4.456874	4.456874	FALSE	6.12552763	8.202839	FALSE	732.38	280	0.03228	0.0000406
5477404175820	547740	4175820	8.204775	8.204775	4.57701	4.57701	FALSE	6.29064254	8.204775	FALSE	719.04	280	0.03228	0.0000406
5477604175820	547760	4175820	8.20445	8.20445	4.598354	4.598354	FALSE	6.31997774	8.20445	FALSE	706.01	280	0.03228	0.0000406
5477804175820	547780	4175820	8.20742	8.20742	4.74563	4.74563	FALSE	6.52239387	8.20742	FALSE	693.32	280	0.03228	0.0000406
5478004175820	547800	4175820	8.2124	8.2124	4.946174	4.946174	FALSE	6.79802155	8.2124	FALSE	680.97	280	0.03228	0.0000406
5478204175820	547820	4175820	8.219573	8.219573	5.197013	5.197013	FALSE	7.14277467	8.219573	FALSE	668.99	280	0.03228	0.0000406
5478404175820	547840	4175820	8.228698	8.228698	5.464399	5.464399	FALSE	7.51026999	8.228698	FALSE	657.41	280	0.03228	0.0000406
5478604175820	547860	4175820	8.234522	8.234522	5.57725	5.57725	FALSE	7.6653724	8.234522	FALSE	646.23	280	0.03228	0.0000406
5478804175820	547880	4175820	8.267417	8.267417	6.420827	6.420827	FALSE	8.82478463	8.267417	FALSE	635.49	280	0.03228	0.0000406
5479004175820	547900	4175820	8.27628	8.27628	6.812244	6.812244	FALSE	9.36274815	8.27628	FALSE	625.21	280	0.03228	0.0000406
5479204175820	547920	4175820	8.286536	8.286536	7.268123	7.268123	FALSE	9.98930825	8.286536	FALSE	615.40	280	0.03228	0.0000406
5479404175820	547940	4175820	8.272058	8.272058	7.252173	7.252173	FALSE	9.96738657	8.272058	FALSE	606.10	280	0.03228	0.0000406
5479604175820	547960	4175820	8.269823	8.269823	7.483735	7.483735	FALSE	10.2856454	8.269823	FALSE	597.32	280	0.03228	0.0000406
5479804175820	547980	4175820	8.272471	8.272471	7.741862	7.741862	FALSE	10.6404151	8.272471	FALSE	589.08	280	0.03228	0.0000406
5480004175820	548000	4175820	8.270119	8.270119	7.797632	7.797632	FALSE	10.7170654	8.270119	FALSE	581.42	280	0.03228	0.0000406
5480204175820	548020	4175820	8.271208	8.271208	7.970672	7.970672	FALSE	10.9548916	8.271208	FALSE	574.36	280	0.03228	0.0000406
5480404175820	548040	4175820	8.272849	8.272849	8.188926	8.188926	FALSE	11.2548599	8.272849	FALSE	567.91	280	0.03228	0.0000406
5480604175820	548060	4175820	8.282816	8.282816	8.93007	8.93007	FALSE	12.2734882	8.282816	FALSE	562.10	280	0.03228	0.0000406
5480804175820	548080	4175820	8.297957	8.297957	10.07948	10.07948	FALSE	13.8532346	8.297957	FALSE	556.94	280	0.03228	0.0000406
5481004175820	548100	4175820	8.324121	8.324121	12.13335	12.13335	FALSE	16.6760804	8.324121	FALSE	552.47	280	0.03228	0.0000406
5481204175820	548120	4175820	8.354122	8.354122	14.87678	14.87678	FALSE	20.4466519	8.354122	FALSE	548.68	280	0.03228	0.0000406
5481404175820	548140	4175820	8.380936	8.380936	17.27844	17.27844	FALSE	23.7474893	8.380936	FALSE	545.61	280	0.03228	0.0000406
5481604175820	548160	4175820	8.402306	8.402306	19.07051	19.07051	FALSE	26.2105089	8.402306	FALSE	543.25	280	0.03228	0.0000406
5481804175820	548180	4175820	8.413613	8.413613	20.55821	20.55821	FALSE	28.2552052	8.413613	FALSE	541.62	280	0.03228	0.0000406
5482004175820	548200	4175820	8.423313	8.423313	22.0825	22.0825	FALSE	30.3501935	8.423313	FALSE	540.73	280	0.03228	0.0000406
5482204175820	548220	4175820	8.463709	8.463709	24.87955	24.87955	FALSE	34.1944466	8.463709	FALSE	540.57	280	0.03228	0.0000406
5482404175820	548240	4175820	8.556479	8.556479	31.34392	31.34392	FALSE	43.079085	8.556479	FALSE	541.16	280	0.03228	0.0000406
5482604175820	548260	4175820	8.616835	8.616835	34.87885	34.87885	FALSE	47.9374887	8.616835	FALSE	542.48	280	0.03228	0.0000406
5482804175820	548280	4175820	8.632869	8.632869	37.0981	37.0981	FALSE	50.9876218	8.632869	FALSE	544.54	280	0.03228	0.0000406
5483004175820	548300	4175820	8.569933	8.569933	33.78577	33.78577	FALSE	46.4351582	8.569933	FALSE	547.31	280	0.03228	0.0000406
5483204175820	548320	4175820	8.53141	8.53141	31.71975	31.71975	FALSE	43.5956175	8.53141	FALSE	550.80	280	0.03228	0.0000406
5483404175820	548340	4175820	8.435349	8.435349	23.96506	23.96506	FALSE	32.937573	8.435349	FALSE	554.99	280	0.03228	0.0000406
5483604175820	548360	4175820	8.42373	8.42373	23.38745	23.38745	FALSE	32.1437044	8.42373	FALSE	559.87	280	0.03228	0.0000406
5483804175820	548380	4175820	8.370661	8.370661	18.76602	18.76602	FALSE	25.7920193	8.370661	FALSE	565.41	280	0.03228	0.0000406
5484004175820	548400	4175820	8.362233	8.362233	19.48479	19.48479	FALSE	26.7798899	8.362233	FALSE	571.59	280	0.03228	0.0000406
5484204175820	548420	4175820	8.309691	8.309691	14.3362	14.3362	FALSE	19.7036719	8.309691	FALSE	578.40	280	0.03228	0.0000406
5484404175820	548440	4175820	8.329414	8.329414	17.22633	17.22633	FALSE	23.6758638	8.329414	FALSE	585.82	280	0.03228	0.0000406
5484604175820	548460	4175820	8.286436	8.286436	12.80075	12.80075	FALSE	17.5933453	8.286436	FALSE	593.82	280	0.03228	0.0000406
5484804175820	548480	4175820	8.314676	8.314676	16.2567	16.2567	FALSE	22.3432085	8.314676	FALSE	602.37	280	0.03228	0.0000406
5485004175820	548500	4175820	8.272688	8.272688	11.87122	11.87122	FALSE	16.3158006	8.272688	FALSE	611.46	280	0.03228	0.0000406
5485204175820	548520	4175820	8.293588	8.293588	14.83944	14.83944	FALSE	20.3953208	8.293588	FALSE	621.06	280	0.03228	0.0000406
5485404175820	548540	4175820	8.249236	8.249236	10.70118	10.70118	FALSE	14.7077032	8.249236	FALSE	631.15	280	0.03228	0.0000406
5485604175820	548560	4175820	8.27327	8.27327	14.01665	14.01665	FALSE	19.2644851	8.27327	FALSE	641.70	280	0.03228	0.0000406
5485804175820	548580	4175820	8.241597	8.241597	10.78425	10.78425	FALSE	14.8218691	8.241597	FALSE	652.70	280	0.03228	0.0000406
5486004175820	548600	4175820	8.244851	8.244851	11.02818	11.02818	FALSE	15.1571237	8.244851	FALSE	664.12	280	0.03228	0.0000406
5486204175820	548620	4175820	8.291498	8.291498	15.63865	15.63865	FALSE	21.4937619	8.291498	FALSE	675.93	280	0.03228	0.0000406
5486404175820	548640	4175820	8.287241	8.287241	14.64956	14.64956	FALSE	20.1343566	8.287241	FALSE	688.13	280	0.03228	0.0000406
5486604175820	548660	4175820	8.281521	8.281521	13.4176	13.4176	FALSE	18.4411426	8.281521	FALSE	700.68	280	0.03228	0.0000406

5486804175820	548680	4175820	8.281611	8.281611	12.8252	12.8252	FALSE	17.6269563	8.281611	FALSE	713.57	280	0.03228	0.0000406
5487004175820	548700	4175820	8.288003	8.288003	12.91317	12.91317	FALSE	17.7478622	8.288003	FALSE	726.79	280	0.03228	0.0000406
5487204175820	548720	4175820	8.296577	8.296577	13.10025	13.10025	FALSE	18.0049781	8.296577	FALSE	740.30	280	0.03228	0.0000406
5487404175820	548740	4175820	8.311034	8.311034	13.57191	13.57191	FALSE	18.6532262	8.311034	FALSE	754.11	280	0.03228	0.0000406
5487604175820	548760	4175820	8.336746	8.336746	14.61027	14.61027	FALSE	20.0803523	8.336746	FALSE	768.19	280	0.03228	0.0000406
5487804175820	548780	4175820	8.352823	8.352823	15.23814	15.23814	FALSE	20.9432941	8.352823	FALSE	782.53	280	0.03228	0.0000406
5488004175820	548800	4175820	8.363227	8.363227	15.48355	15.48355	FALSE	21.2805966	8.363227	FALSE	797.11	280	0.03228	0.0000406
5488204175820	548820	4175820	8.369364	8.369364	15.60596	15.60596	FALSE	21.4488369	8.369364	FALSE	811.92	280	0.03228	0.0000406
5488404175820	548840	4175820	8.388836	8.388836	16.48775	16.48775	FALSE	22.6607636	8.388836	FALSE	826.95	280	0.03228	0.0000406
5488604175820	548860	4175820	8.407226	8.407226	17.0349	17.0349	FALSE	23.4127597	8.407226	FALSE	842.19	280	0.03228	0.0000406
5488804175820	548880	4175820	8.426924	8.426924	17.45554	17.45554	FALSE	23.9908901	8.426924	FALSE	857.62	280	0.03228	0.0000406
5489004175820	548900	4175820	8.486101	8.486101	19.21324	19.21324	FALSE	26.4066784	8.486101	FALSE	873.24	280	0.03228	0.0000406
5489204175820	548920	4175820	8.557406	8.557406	21.70894	21.70894	FALSE	29.836763	8.557406	FALSE	889.04	280	0.03228	0.0000406
5489404175820	548940	4175820	8.635853	8.635853	24.55601	24.55601	FALSE	33.7497815	8.635853	FALSE	905.00	280	0.03228	0.0000406
5489604175820	548960	4175820	8.764347	8.764347	28.18475	28.18475	FALSE	38.7371204	8.764347	FALSE	921.11	280	0.03228	0.0000406
5489804175820	548980	4175820	9.067051	9.067051	41.93878	41.93878	TRUE	57.6406606	9.067051	TRUE	937.38	280	0.03228	0.0000406
5490004175820	549000	4175820	9.403577	9.403577	52.22797	52.22797	TRUE	71.7821165	9.403577	TRUE	953.79	280	0.03228	0.0000406
5490204175820	549020	4175820	9.752539	9.752539	56.3159	56.3159	FALSE	77.4005757	9.752539	FALSE	970.34	280	0.03228	0.0000406
5490404175820	549040	4175820	9.756104	9.756104	53.33984	53.33984	FALSE	73.3102775	9.756104	FALSE	987.01	280	0.03228	0.0000406
5490604175820	549060	4175820	10.37616	10.37616	68.941	68.941	FALSE	94.7525049	10.376164	FALSE	1003.80	280	0.03228	0.0000406
5490804175820	549080	4175820	9.972375	9.972375	59.26899	59.26899	FALSE	81.4593054	9.972375	FALSE	1020.71	280	0.03228	0.0000406
5491004175820	549100	4175820	10.00616	10.00616	60.97521	60.97521	TRUE	83.8043314	10.00616	TRUE	1037.73	280	0.03228	0.0000406
5491204175820	549120	4175820	9.80292	9.80292	55.8201	55.8201	TRUE	76.7191413	9.80292	TRUE	1054.85	280	0.03228	0.0000406
5469604175840	546960	4175840	8.325339	8.325339	9.132143	9.132143	FALSE	12.5512173	8.325339	FALSE	1373.73	280	0.03228	0.0000406
5469804175840	546980	4175840	8.299751	8.299751	8.154209	8.154209	FALSE	11.2071448	8.299751	FALSE	1355.50	280	0.03228	0.0000406
5470004175840	547000	4175840	8.277698	8.277698	7.26493	7.26493	FALSE	9.98491979	8.277698	FALSE	1337.31	280	0.03228	0.0000406
5470204175840	547020	4175840	8.258656	8.258656	6.460538	6.460538	FALSE	8.87936343	8.258656	FALSE	1319.18	280	0.03228	0.0000406
5470404175840	547040	4175840	8.249833	8.249833	6.048526	6.048526	FALSE	8.31309413	8.249833	FALSE	1301.11	280	0.03228	0.0000406
5470604175840	547060	4175840	8.241832	8.241832	5.648659	5.648659	FALSE	7.76351693	8.241832	FALSE	1283.09	280	0.03228	0.0000406
5470804175840	547080	4175840	8.23607	8.23607	5.31735	5.31735	FALSE	7.30816584	8.23607	FALSE	1265.13	280	0.03228	0.0000406
5471004175840	547100	4175840	8.242861	8.242861	5.361816	5.361816	FALSE	7.36927991	8.242861	FALSE	1247.23	280	0.03228	0.0000406
5471204175840	547120	4175840	8.244275	8.244275	5.371473	5.371473	FALSE	7.38255249	8.244275	FALSE	1229.39	280	0.03228	0.0000406
5471404175840	547140	4175840	8.24414	8.24414	5.383935	5.383935	FALSE	7.39968026	8.24414	FALSE	1211.63	280	0.03228	0.0000406
5471604175840	547160	4175840	8.235016	8.235016	5.162922	5.162922	FALSE	7.09592	8.235016	FALSE	1193.93	280	0.03228	0.0000406
5471804175840	547180	4175840	8.22967	8.22967	5.009267	5.009267	FALSE	6.88473656	8.22967	FALSE	1176.31	280	0.03228	0.0000406
5472004175840	547200	4175840	8.224619	8.224619	4.814563	4.814563	FALSE	6.61713539	8.224619	FALSE	1158.77	280	0.03228	0.0000406
5472204175840	547220	4175840	8.220927	8.220927	4.65099	4.65099	FALSE	6.39232066	8.220927	FALSE	1141.30	280	0.03228	0.0000406
5472404175840	547240	4175840	8.236324	8.236324	4.884003	4.884003	FALSE	6.71257372	8.236324	FALSE	1123.93	280	0.03228	0.0000406
5472604175840	547260	4175840	8.224676	8.224676	4.688622	4.688622	FALSE	6.44404208	8.224676	FALSE	1106.64	280	0.03228	0.0000406
5472804175840	547280	4175840	8.19986	8.19986	4.074852	4.074852	FALSE	5.60047659	8.19986	FALSE	1089.44	280	0.03228	0.0000406
5473004175840	547300	4175840	8.186081	8.186081	3.715193	3.715193	FALSE	5.10616126	8.186081	FALSE	1072.34	280	0.03228	0.0000406
5473204175840	547320	4175840	8.17693	8.17693	3.454589	3.454589	FALSE	4.74798712	8.17693	FALSE	1055.34	280	0.03228	0.0000406
5473404175840	547340	4175840	8.175373	8.175373	3.389819	3.389819	FALSE	4.65896723	8.175373	FALSE	1038.45	280	0.03228	0.0000406
5473604175840	547360	4175840	8.177981	8.177981	3.430408	3.430408	FALSE	4.71475276	8.177981	FALSE	1021.67	280	0.03228	0.0000406
5473804175840	547380	4175840	8.182633	8.182633	3.545815	3.545815	FALSE	4.87336814	8.182633	FALSE	1005.01	280	0.03228	0.0000406
5474004175840	547400	4175840	8.180642	8.180642	3.480928	3.480928	FALSE	4.78418744	8.180642	FALSE	988.47	280	0.03228	0.0000406
5474204175840	547420	4175840	8.174442	8.174442	3.31128	3.31128	FALSE	4.55102323	8.174442	FALSE	972.06	280	0.03228	0.0000406
5474404175840	547440	4175840	8.171071	8.171071	3.219414	3.219414	FALSE	4.4247626	8.171071	FALSE	955.79	280	0.03228	0.0000406
5474604175840	547460	4175840	8.171912	8.171912	3.21004	3.21004	FALSE	4.41187898	8.171912	FALSE	939.67	280	0.03228	0.0000406
5474804175840	547480	4175840	8.18309	8.18309	3.441817	3.441817	FALSE	4.73043328	8.18309	FALSE	923.69	280	0.03228	0.0000406
5475004175840	547500	4175840	8.219052	8.219052	4.223564	4.223564	FALSE	5.80486636	8.219052	FALSE	907.88	280	0.03228	0.0000406
5475204175840	547520	4175840	8.220161	8.220161	4.169854	4.169854	FALSE	5.73104734	8.220161	FALSE	892.23	280	0.03228	0.0000406
5475404175840	547540	4175840	8.213083	8.213083	4.00747	4.00747	FALSE	5.50786677	8.213083	FALSE	876.76	280	0.03228	0.0000406
5475604175840	547560	4175840	8.223787	8.223787	4.288149	4.288149	FALSE	5.89363199	8.223787	FALSE	861.48	280	0.03228	0.0000406
5475804175840	547580	4175840	8.259012	8.259012	5.061391	5.061391	FALSE	6.95637579	8.259012	FALSE	846.39	280	0.03228	0.0000406
5476004175840	547600	4175840	8.254901	8.254901	5.082925	5.082925	FALSE	6.98597212	8.254901	FALSE	831.51	280	0.03228	0.0000406
5476204175840	547620	4175840	8.226347	8.226347	4.703451	4.703451	FALSE	6.46442305	8.226347	FALSE	816.85	280	0.03228	0.0000406
5476404175840	547640	4175840	8.215305	8.215305	4.553294	4.553294	FALSE	6.25804727	8.215305	FALSE	802.42	280	0.03228	0.0000406
5476604175840	547660	4175840	8.208575	8.208575	4.463094	4.463094	FALSE	6.13407639	8.208575	FALSE	788.23	280	0.03228	0.0000406
5476804175840	547680	4175840	8.204976	8.204976	4.435059	4.435059	FALSE	6.09554509	8.204976	FALSE	774.30	280	0.03228	0.0000406
5477004175840	547700	4175840	8.201452	8.201452	4.384513	4.384513	FALSE	6.02607467	8.201452	FALSE	760.64	280	0.03228	0.0000406
5477204175840	547720	4175840	8.200207	8.200207	4.397471	4.397471	FALSE	6.04388414	8.200207	FALSE	747.27	280	0.03228	0.0000406
5477404175840	547740	4175840	8.200438	8.200438	4.453347	4.453347	FALSE	6.12068012	8.200438	FALSE	734.19	280	0.03228	0.0000406
5477604175840	547760	4175840	8.198534	8.198534	4.413946	4.413946	FALSE	6.06652738	8.198534	FALSE	721.44	280	0.03228	0.0000406
5477804175840	547780	4175840	8.20032	8.20032	4.516257	4.516257	FALSE	6.20714362	8.20032	FALSE	709.02	280	0.03228	0.0000406
5478004175840	547800	4175840	8.204705	8.204705	4.694185	4.694185	FALSE	6.45168786	8.204705	FALSE	696.95	280	0.03228	0.0000406
5478204175840	547820	4175840	8.211338	8.211338	4.923396	4.923396	FALSE	6.76671546	8.211338	FALSE	685.26	280	0.03228	0.0000406
5478404175840	547840	4175840	8.220757	8.220757	5.206604	5.206604	FALSE	7.15595654	8.220757	FALSE	673.95	280	0.03228	0.0000406
5478604175840	547860	4175840	8.227773	8.227773	5.377908	5.377908	FALSE	7.39139676	8.227773	FALSE	663.05	280	0.03228	0.0000406
5478804175840	547880	4175840	8.260991	8.260991	6.261289	6.261289	FALSE	8.6055156	8.260991	FALSE	652.59	280	0.03228	0.0000406
5479004175840	547900	4175840	8.324031	8.324031	7.752408	7.752408	FALSE	10.6549096	8.324031	FALSE	642.58	280	0.03228	0.0000406
5479204175840	547920	4175840	8.290749	8.290749	7.335037	7.335037	FALSE	10.0812749	8.290749	FALSE	633.04	280	0.03228	0.0000406
5479404175840	547940	4175840	8.272504	8.272504	7.184488	7.184488	FALSE	9.87436031	8.272504	FALSE	624.00	280	0.03228	0.0000406
5479604175840	547960	4175840	8.269306	8.269306	7.35631	7.35631	FALSE	10.1105125	8.269306	FALSE	615.47	280	0.03228	0.0000406
5479804175840	547980	4175840	8.271833	8.271833	7.587199	7.587199	FALSE	10.4278463	8.271833	FALSE	607.49	280	0.03228	0.0000406
5480004175840	548000	4175840	8.269965	8.269965	7.583398	7.583398	FALSE	10.4226222	8.269965	FALSE	600.06	280	0.03228	0.0000406
5480204175840	548020	4175840	8.271958	8.271958	7.678524	7.678524	FALSE	10.5533634	8.271958	FALSE	593.22	280	0.03228	0.0000406
5480404175840	548040	4175840	8.274615	8.274615	7.775205	7.775205	FALSE	10.6862418	8.274615	FALSE	586.98	280	0.03228	0.0000406
5480604175840	548060	4175840	8.286127	8.286127	8.469583	8.469583	FALSE	11.6405949	8.286127	FALSE	581.36	280	0.03228	0.0000406
5480804175840	548080	4175840	8.301043	8.301043	9.480316	9.480316	FALSE	13.0297463	8.301043	FALSE	576.37	280	0.03228	0.0000406
5481004175840	548100	4175840	8.33592	8.33592	11.55919	11.55919	FALSE	15.8869549	8.33592	FALSE	572.05	280	0.03228	0.0000406
5481204175840	548120	4175840	8.435879	8.435879	17.52466	17.52466	FALSE	24.0858913	8.435879	FALSE	568.40	280	0.03228	0.0000406
5481404175840	548140	4175840	8.420743	8.420743	20.39417	20.39417	FALSE	28.0297431	8.420743	FALSE	565.43	280	0.03228	0.0000406
5481604175840	548160	4175840	8.429704	8.429704	21.91502	21.91502	FALSE	30.1200035	8.429704	FALSE	563.15	280	0.03228	0.0000406
5481804175840	548180	4175840	8.435244	8.435244	23.15806	23.15806	FALSE	31.8284335	8.435244	FALSE	561.58	280	0.03228	0.0000406
5482004175840	548200	4175840	8.444377	8.444377	24.86268	24.86268	FALSE	34.1712674	8.444377	FALSE	560.72	280	0.03228	0.0000406
5482204175840	548220	4175840	8.475889	8.475889	27.19451	27.19451	FALSE	37.3761387	8.475889	FALSE	560.57	280	0.03228	0.0000406
5482404175840	548240	4175840	8.520372	8.520372	30.52748	30.52748	FALSE	41.956963	8.520372	FALSE	561.14	280	0.03228	0.0000406
5482604175840	548260	4175840	8.503068	8.503068	28.79397	28.79397	FALSE	39.5744351	8.503068	FALSE	562.41	280	0.03228	0.0000406
5482804175840	548280	4175840	8.440015	8.440015	23.50569	23.50569	FALSE	32.3062258	8.440015	FALSE	564.39	280	0.03228	0.0000406
5483004175840	548300	4175840	8.407723	8.407723	21.23113	21.23113	FALSE	29.1800623	8.407723	FALSE	567.07	280	0.03228	0.0000406
5483204175840	548320	4175840	8.390152	8.390152	20.17196	20.17196	FALSE	27.7243404	8.390152	FALSE	570.44	280	0.03228	0.0000406
5483404175840	548340	4175840	8.381346	8.381346	19.77443	19.77443	FALSE	27.1779793	8.381346	FALSE	574.49	280	0.03228	0.0000406
5483604175840	548360	4175840	8.394266	8.394266	21.08339	21.08339	FALSE	28.9770043	8.394266	FALSE	579.20	280	0.03228	0.0000406

5483804175840	548380	4175840	8.36731	8.36731	19.04914	19.04914	FALSE	26.1811435	8.36731	FALSE	584.56	280	0.03228	0.0000406
5484004175840	548400	4175840	8.323779	8.323779	15.90797	15.90797	FALSE	21.8639195	8.323779	FALSE	590.54	280	0.03228	0.0000406
5484204175840	548420	4175840	8.304566	8.304566	14.53004	14.53004	FALSE	19.9700856	8.304566	FALSE	597.14	280	0.03228	0.0000406
5484404175840	548440	4175840	8.292843	8.292843	13.74158	13.74158	FALSE	18.8864262	8.292843	FALSE	604.32	280	0.03228	0.0000406
5484604175840	548460	4175840	8.285538	8.285538	13.22334	13.22334	FALSE	18.1741612	8.285538	FALSE	612.08	280	0.03228	0.0000406
5484804175840	548480	4175840	8.276233	8.276233	12.65729	12.65729	FALSE	17.3961725	8.276233	FALSE	620.38	280	0.03228	0.0000406
5485004175840	548500	4175840	8.266859	8.266859	12.06461	12.06461	FALSE	16.5815959	8.266859	FALSE	629.21	280	0.03228	0.0000406
5485204175840	548520	4175840	8.257722	8.257722	11.55242	11.55242	FALSE	15.8776392	8.257722	FALSE	638.54	280	0.03228	0.0000406
5485404175840	548540	4175840	8.244421	8.244421	10.91005	10.91005	FALSE	14.9947686	8.244421	FALSE	648.36	280	0.03228	0.0000406
5485604175840	548560	4175840	8.233013	8.233013	10.23731	10.23731	FALSE	14.0701644	8.233013	FALSE	658.64	280	0.03228	0.0000406
5485804175840	548580	4175840	8.223955	8.223955	9.594252	9.594252	FALSE	13.1863399	8.223955	FALSE	669.36	280	0.03228	0.0000406
5486004175840	548600	4175840	8.22963	8.22963	9.948695	9.948695	FALSE	13.6734864	8.22963	FALSE	680.49	280	0.03228	0.0000406
5486204175840	548620	4175840	8.233511	8.233511	10.0792	10.0792	FALSE	13.8528456	8.233511	FALSE	692.03	280	0.03228	0.0000406
5486404175840	548640	4175840	8.236178	8.236178	9.969973	9.969973	FALSE	13.7027309	8.236178	FALSE	703.95	280	0.03228	0.0000406
5486604175840	548660	4175840	8.242479	8.242479	10.01151	10.01151	FALSE	13.7598138	8.242479	FALSE	716.22	280	0.03228	0.0000406
5486804175840	548680	4175840	8.248997	8.248997	10.12619	10.12619	FALSE	13.9174383	8.248997	FALSE	728.84	280	0.03228	0.0000406
5487004175840	548700	4175840	8.254584	8.254584	10.21626	10.21626	FALSE	14.0412222	8.254584	FALSE	741.78	280	0.03228	0.0000406
5487204175840	548720	4175840	8.268124	8.268124	10.64703	10.64703	FALSE	14.6332808	8.268124	FALSE	755.03	280	0.03228	0.0000406
5487404175840	548740	4175840	8.282577	8.282577	11.11042	11.11042	FALSE	15.2701599	8.282577	FALSE	768.57	280	0.03228	0.0000406
5487604175840	548760	4175840	8.300558	8.300558	11.75857	11.75857	FALSE	16.1609745	8.300558	FALSE	782.39	280	0.03228	0.0000406
5487804175840	548780	4175840	8.322176	8.322176	12.51088	12.51088	FALSE	17.1949466	8.322176	FALSE	796.48	280	0.03228	0.0000406
5488004175840	548800	4175840	8.338389	8.338389	13.05213	13.05213	FALSE	17.938853	8.338389	FALSE	810.81	280	0.03228	0.0000406
5488204175840	548820	4175840	8.345164	8.345164	13.23645	13.23645	TRUE	18.1921714	8.345164	TRUE	825.37	280	0.03228	0.0000406
5488404175840	548840	4175840	8.355745	8.355745	13.52464	13.52464	TRUE	18.5882583	8.355745	TRUE	840.16	280	0.03228	0.0000406
5488604175840	548860	4175840	8.373045	8.373045	14.01782	14.01782	TRUE	19.2660959	8.373045	TRUE	855.16	280	0.03228	0.0000406
5488804175840	548880	4175840	8.399618	8.399618	14.80282	14.80282	TRUE	20.3449972	8.399618	TRUE	870.37	280	0.03228	0.0000406
5489004175840	548900	4175840	8.451583	8.451583	16.44745	16.44745	TRUE	22.6053712	8.451583	TRUE	885.76	280	0.03228	0.0000406
5489204175840	548920	4175840	8.516497	8.516497	18.59851	18.59851	TRUE	25.5617949	8.516497	TRUE	901.34	280	0.03228	0.0000406
5489404175840	548940	4175840	8.597848	8.597848	21.38374	21.38374	TRUE	29.3898178	8.597848	TRUE	917.08	280	0.03228	0.0000406
5489604175840	548960	4175840	8.712138	8.712138	25.97052	25.97052	TRUE	35.6938772	8.712138	TRUE	932.99	280	0.03228	0.0000406
5489804175840	548980	4175840	8.855292	8.855292	31.17562	31.17562	TRUE	42.8477694	8.855292	TRUE	949.06	280	0.03228	0.0000406
5490004175840	549000	4175840	9.007701	9.007701	35.19401	35.19401	TRUE	48.3706418	9.007701	TRUE	965.27	280	0.03228	0.0000406
5490204175840	549020	4175840	9.35451	9.35451	47.22396	47.22396	TRUE	64.9046134	9.35451	TRUE	981.62	280	0.03228	0.0000406
5490404175840	549040	4175840	9.942852	9.942852	59.54469	59.54469	FALSE	81.8382274	9.942852	FALSE	998.10	280	0.03228	0.0000406
5490604175840	549060	4175840	9.706073	9.706073	52.24705	52.24705	FALSE	71.80834	9.706073	FALSE	1014.71	280	0.03228	0.0000406
5490804175840	549080	4175840	10.57251	10.57251	74.53914	74.53914	FALSE	102.446587	10.572505	FALSE	1031.44	280	0.03228	0.0000406
5491004175840	549100	4175840	10.05932	10.05932	61.44769	61.44769	FALSE	84.4537106	10.059319	FALSE	1048.29	280	0.03228	0.0000406
5491204175840	549120	4175840	10.61642	10.61642	75.54974	75.54974	TRUE	103.835568	10.61642	TRUE	1065.24	280	0.03228	0.0000406
5469604175860	546960	4175860	8.320949	8.320949	9.034804	9.034804	FALSE	12.4174346	8.320949	FALSE	1382.01	280	0.03228	0.0000406
5469804175860	546980	4175860	8.295933	8.295933	8.064383	8.064383	FALSE	11.083688	8.295933	FALSE	1363.89	280	0.03228	0.0000406
5470004175860	547000	4175860	8.273201	8.273201	7.1464	7.1464	FALSE	9.82201216	8.273201	FALSE	1345.82	280	0.03228	0.0000406
5470204175860	547020	4175860	8.252536	8.252536	6.274381	6.274381	FALSE	8.62350925	8.252536	FALSE	1327.80	280	0.03228	0.0000406
5470404175860	547040	4175860	8.242739	8.242739	5.833424	5.833424	FALSE	8.01745795	8.242739	FALSE	1309.85	280	0.03228	0.0000406
5470604175860	547060	4175860	8.233717	8.233717	5.418826	5.418826	FALSE	7.44763445	8.233717	FALSE	1291.95	280	0.03228	0.0000406
5470804175860	547080	4175860	8.226247	8.226247	5.066247	5.066247	FALSE	6.96304988	8.226247	FALSE	1274.11	280	0.03228	0.0000406
5471004175860	547100	4175860	8.22672	8.22672	4.973948	4.973948	FALSE	6.83619413	8.22672	FALSE	1256.34	280	0.03228	0.0000406
5471204175860	547120	4175860	8.243436	8.243436	5.243922	5.243922	FALSE	7.2072464	8.243436	FALSE	1238.64	280	0.03228	0.0000406
5471404175860	547140	4175860	8.236335	8.236335	5.102001	5.102001	FALSE	7.01219017	8.236335	FALSE	1221.01	280	0.03228	0.0000406
5471604175860	547160	4175860	8.222792	8.222792	4.793245	4.793245	FALSE	6.58783593	8.222792	FALSE	1203.45	280	0.03228	0.0000406
5471804175860	547180	4175860	8.216054	8.216054	4.621627	4.621627	FALSE	6.35196415	8.216054	FALSE	1185.97	280	0.03228	0.0000406
5472004175860	547200	4175860	8.209308	8.209308	4.407242	4.407242	FALSE	6.0573134	8.209308	FALSE	1168.57	280	0.03228	0.0000406
5472204175860	547220	4175860	8.205633	8.205633	4.273329	4.273329	FALSE	5.87326338	8.205633	FALSE	1151.26	280	0.03228	0.0000406
5472404175860	547240	4175860	8.20976	8.20976	4.295855	4.295855	FALSE	5.90422311	8.20976	FALSE	1134.03	280	0.03228	0.0000406
5472604175860	547260	4175860	8.206196	8.206196	4.24336	4.24336	FALSE	5.83207398	8.206196	FALSE	1116.90	280	0.03228	0.0000406
5472804175860	547280	4175860	8.197486	8.197486	3.961394	3.961394	FALSE	5.44453991	8.197486	FALSE	1099.86	280	0.03228	0.0000406
5473004175860	547300	4175860	8.183961	8.183961	3.623176	3.623176	FALSE	4.97969309	8.183961	FALSE	1082.93	280	0.03228	0.0000406
5473204175860	547320	4175860	8.181688	8.181688	3.5346	3.5346	FALSE	4.85795424	8.181688	FALSE	1066.10	280	0.03228	0.0000406
5473404175860	547340	4175860	8.177534	8.177534	3.415915	3.415915	FALSE	4.69483358	8.177534	FALSE	1049.38	280	0.03228	0.0000406
5473604175860	547360	4175860	8.176534	8.176534	3.377133	3.377133	FALSE	4.6415316	8.176534	FALSE	1032.78	280	0.03228	0.0000406
5473804175860	547380	4175860	8.171232	8.171232	3.251354	3.251354	FALSE	4.46866094	8.171232	FALSE	1016.30	280	0.03228	0.0000406
5474004175860	547400	4175860	8.172586	8.172586	3.259882	3.259882	FALSE	4.48038182	8.172586	FALSE	999.95	280	0.03228	0.0000406
5474204175860	547420	4175860	8.181077	8.181077	3.426121	3.426121	FALSE	4.7088607	8.181077	FALSE	983.73	280	0.03228	0.0000406
5474404175860	547440	4175860	8.17641	8.17641	3.291909	3.291909	FALSE	4.52439973	8.17641	FALSE	967.66	280	0.03228	0.0000406
5474604175860	547460	4175860	8.169957	8.169957	3.119103	3.119103	FALSE	4.28689516	8.169957	FALSE	951.73	280	0.03228	0.0000406
5474804175860	547480	4175860	8.176536	8.176536	3.23855	3.23855	FALSE	4.45106312	8.176536	FALSE	935.96	280	0.03228	0.0000406
5475004175860	547500	4175860	8.203158	8.203158	3.741345	3.741345	FALSE	5.14210457	8.203158	FALSE	920.36	280	0.03228	0.0000406
5475204175860	547520	4175860	8.263755	8.263755	4.905774	4.905774	FALSE	6.74249579	8.263755	FALSE	904.93	280	0.03228	0.0000406
5475404175860	547540	4175860	8.254737	8.254737	4.808341	4.808341	FALSE	6.60858387	8.254737	FALSE	889.68	280	0.03228	0.0000406
5475604175860	547560	4175860	8.285325	8.285325	5.506248	5.506248	FALSE	7.56778725	8.285325	FALSE	874.62	280	0.03228	0.0000406
5475804175860	547580	4175860	8.312725	8.312725	6.202123	6.202123	FALSE	8.52419785	8.312725	FALSE	859.77	280	0.03228	0.0000406
5476004175860	547600	4175860	8.246489	8.246489	4.935143	4.935143	FALSE	6.78286054	8.246489	FALSE	845.12	280	0.03228	0.0000406
5476204175860	547620	4175860	8.221372	8.221372	4.568084	4.568084	FALSE	6.27837465	8.221372	FALSE	830.70	280	0.03228	0.0000406
5476404175860	547640	4175860	8.211888	8.211888	4.442694	4.442694	FALSE	6.10603863	8.211888	FALSE	816.51	280	0.03228	0.0000406
5476604175860	547660	4175860	8.206947	8.206947	4.404378	4.404378	FALSE	6.05337712	8.206947	FALSE	802.58	280	0.03228	0.0000406
5476804175860	547680	4175860	8.205959	8.205959	4.467815	4.467815	FALSE	6.14056494	8.205959	FALSE	788.90	280	0.03228	0.0000406
5477004175860	547700	4175860	8.203201	8.203201	4.441606	4.441606	FALSE	6.10454329	8.203201	FALSE	775.50	280	0.03228	0.0000406
5477204175860	547720	4175860	8.201425	8.201425	4.430989	4.430989	FALSE	6.08995128	8.201425	FALSE	762.38	280	0.03228	0.0000406
5477404175860	547740	4175860	8.199608	8.199608	4.407636	4.407636	FALSE	6.05785492	8.199608	FALSE	749.58	280	0.03228	0.0000406
5477604175860	547760	4175860	8.196886	8.196886	4.337141	4.337141	FALSE	5.96096659	8.196886	FALSE	737.09	280	0.03228	0.0000406
5477804175860	547780	4175860	8.198554	8.198554	4.432406	4.432406	FALSE	6.09189881	8.198554	FALSE	724.93	280	0.03228	0.0000406
5478004175860	547800	4175860	8.203562	8.203562	4.630867	4.630867	FALSE	6.3646636	8.203562	FALSE	713.14	280	0.03228	0.0000406
5478204175860	547820	4175860	8.209823	8.209823	4.847255	4.847255	FALSE	6.66206727	8.209823	FALSE	701.71	280	0.03228	0.0000406
5478404175860	547840	4175860	8.219016	8.219016	5.127921	5.127921	FALSE	7.04781462	8.219016	FALSE	690.67	280	0.03228	0.0000406
5478604175860	547860	4175860	8.226611	8.226611	5.325989	5.325989	FALSE	7.32003928	8.226611	FALSE	680.05	280	0.03228	0.0000406
5478804175860	547880	4175860	8.258478	8.258478	6.172682	6.172682	FALSE	8.48373414	8.258478	FALSE	669.85	280	0.03228	0.0000406
5479004175860	547900	4175860	8.275873	8.275873	6.759564	6.759564	FALSE	9.29034476	8.275873	FALSE	660.10	280	0.03228	0.0000406
5479204175860	547920	4175860	8.296164	8.296164	7.405437	7.405437	FALSE	10.1780326	8.296164	FALSE	650.82	280	0.03228	0.0000406
5479404175860	547940	4175860	8.288361	8.288361	7.445958	7.445958	FALSE	10.2337247	8.288361	FALSE	642.02	280	0.03228	0.0000406
5479604175860	547960	4175860	8.284153	8.284153	7.524734	7.524734	FALSE	10.3419944	8.284153	FALSE	633.74	280	0.03228	0.0000406
5479804175860	547980	4175860	8.290698	8.290698	7.760878	7.760878	FALSE	10.6665507	8.290698	FALSE	625.99	280	0.03228	0.0000406
5480004175860	548000	4175860	8.29093	8.29093	7.743745	7.743745	FALSE	10.6430031	8.29093	FALSE	618.79	280	0.03228	0.0000406
5480204175860	548020	4175860	8.297939	8.297939	7.905344	7.905344	FALSE	10.8651048	8.297939	FALSE	612.15	280	0.03228	0.0000406
5480404175860	548040	4175860	8.316812	8.316812	8.331733	8.331733	FALSE	11.4511338	8.316812	FALSE	606.10	280	0.03228	0.0000406
5480604175860	548060	4175860	8.366945	8.366945	9.677089	9.677089	FALSE	13.3001911	8.366945	FALSE	600.66	280	0.03228	0.0000406

5480804175860	548080	4175860	8.381893	8.381893	10.43777	10.43777	FALSE	14.3456711	8.381893	FALSE	595.84	280	0.03228	0.0000406
5481004175860	548100	4175860	8.388469	8.388469	11.29664	11.29664	FALSE	15.5260951	8.388469	FALSE	591.66	280	0.03228	0.0000406
5481204175860	548120	4175860	8.392526	8.392526	12.06559	12.06559	FALSE	16.5829414	8.392526	FALSE	588.13	280	0.03228	0.0000406
5481404175860	548140	4175860	8.320051	8.320051	11.50776	11.50776	FALSE	15.8162667	8.320051	FALSE	585.26	280	0.03228	0.0000406
5481604175860	548160	4175860	8.320042	8.320042	12.63954	12.63954	FALSE	17.3717824	8.320042	FALSE	583.06	280	0.03228	0.0000406
5481804175860	548180	4175860	8.32186	8.32186	13.75796	13.75796	FALSE	18.9089361	8.32186	FALSE	581.55	280	0.03228	0.0000406
5482004175860	548200	4175860	8.321348	8.321348	14.84159	14.84159	FALSE	20.3982772	8.321348	FALSE	580.71	280	0.03228	0.0000406
5482204175860	548220	4175860	8.344225	8.344225	16.70386	16.70386	FALSE	22.9577797	8.344225	FALSE	580.57	280	0.03228	0.0000406
5482404175860	548240	4175860	8.379989	8.379989	19.66088	19.66088	FALSE	27.0219066	8.379989	FALSE	581.12	280	0.03228	0.0000406
5482604175860	548260	4175860	8.390229	8.390229	20.42351	20.42351	FALSE	28.0700721	8.390229	FALSE	582.35	280	0.03228	0.0000406
5482804175860	548280	4175860	8.356353	8.356353	17.65169	17.65169	FALSE	24.2604882	8.356353	FALSE	584.26	280	0.03228	0.0000406
5483004175860	548300	4175860	8.343508	8.343508	16.63787	16.63787	FALSE	22.8670899	8.343508	FALSE	586.85	280	0.03228	0.0000406
5483204175860	548320	4175860	8.34012	8.34012	16.41185	16.41185	FALSE	22.5564521	8.34012	FALSE	590.11	280	0.03228	0.0000406
5483404175860	548340	4175860	8.343532	8.343532	16.75462	16.75462	FALSE	23.0275484	8.343532	FALSE	594.02	280	0.03228	0.0000406
5483604175860	548360	4175860	8.363036	8.363036	18.42628	18.42628	FALSE	25.3250792	8.363036	FALSE	598.58	280	0.03228	0.0000406
5483804175860	548380	4175860	8.345269	8.345269	17.08722	17.08722	FALSE	23.4846765	8.345269	FALSE	603.76	280	0.03228	0.0000406
5484004175860	548400	4175860	8.305726	8.305726	14.24656	14.24656	FALSE	19.5804693	8.305726	FALSE	609.56	280	0.03228	0.0000406
5484204175860	548420	4175860	8.28748	8.28748	12.96027	12.96027	FALSE	17.8126006	8.28748	FALSE	615.95	280	0.03228	0.0000406
5484404175860	548440	4175860	8.276668	8.276668	12.20927	12.20927	FALSE	16.7804138	8.276668	FALSE	622.92	280	0.03228	0.0000406
5484604175860	548460	4175860	8.270965	8.270965	11.77746	11.77746	FALSE	16.1869424	8.270965	FALSE	630.45	280	0.03228	0.0000406
5484804175860	548480	4175860	8.261159	8.261159	11.17374	11.17374	FALSE	15.3571938	8.261159	FALSE	638.51	280	0.03228	0.0000406
5485004175860	548500	4175860	8.252034	8.252034	10.62214	10.62214	FALSE	14.5990651	8.252034	FALSE	647.09	280	0.03228	0.0000406
5485204175860	548520	4175860	8.243447	8.243447	10.15865	10.15865	FALSE	13.9620458	8.243447	FALSE	656.17	280	0.03228	0.0000406
5485404175860	548540	4175860	8.231265	8.231265	9.536163	9.536163	FALSE	13.1065024	8.231265	FALSE	665.73	280	0.03228	0.0000406
5485604175860	548560	4175860	8.221141	8.221141	8.952015	8.952015	FALSE	12.3036494	8.221141	FALSE	675.74	280	0.03228	0.0000406
5485804175860	548580	4175860	8.21343	8.21343	8.482548	8.482548	FALSE	11.658414	8.21343	FALSE	686.19	280	0.03228	0.0000406
5486004175860	548600	4175860	8.218797	8.218797	8.777382	8.777382	FALSE	12.0636338	8.218797	FALSE	697.06	280	0.03228	0.0000406
5486204175860	548620	4175860	8.222287	8.222287	8.879807	8.879807	FALSE	12.2044067	8.222287	FALSE	708.33	280	0.03228	0.0000406
5486404175860	548640	4175860	8.225358	8.225358	8.870285	8.870285	FALSE	12.1913197	8.225358	FALSE	719.97	280	0.03228	0.0000406
5486604175860	548660	4175860	8.232498	8.232498	9.047466	9.047466	FALSE	12.4348373	8.232498	FALSE	731.98	280	0.03228	0.0000406
5486804175860	548680	4175860	8.240196	8.240196	9.277842	9.277842	FALSE	12.751466	8.240196	FALSE	744.33	280	0.03228	0.0000406
5487004175860	548700	4175860	8.247819	8.247819	9.484921	9.484921	FALSE	13.0360754	8.247819	FALSE	757.01	280	0.03228	0.0000406
5487204175860	548720	4175860	8.263574	8.263574	10.01581	10.01581	FALSE	13.7657334	8.263574	FALSE	770.00	280	0.03228	0.0000406
5487404175860	548740	4175860	8.278762	8.278762	10.52867	10.52867	FALSE	14.4706068	8.278762	FALSE	783.28	280	0.03228	0.0000406
5487604175860	548760	4175860	8.29397	8.29397	11.06246	11.06246	FALSE	15.2042395	8.29397	FALSE	796.84	280	0.03228	0.0000406
5487804175860	548780	4175860	8.318978	8.318978	11.90961	11.90961	FALSE	16.368568	8.318978	FALSE	810.68	280	0.03228	0.0000406
5488004175860	548800	4175860	8.341698	8.341698	12.60922	12.60922	FALSE	17.330112	8.341698	FALSE	824.76	280	0.03228	0.0000406
5488204175860	548820	4175860	8.359119	8.359119	13.11897	13.11897	FALSE	18.0307179	8.359119	FALSE	839.08	280	0.03228	0.0000406
5488404175860	548840	4175860	8.370792	8.370792	13.44882	13.44882	TRUE	18.4840582	8.370792	TRUE	853.64	280	0.03228	0.0000406
5488604175860	548860	4175860	8.387983	8.387983	13.9539	13.9539	TRUE	19.1782374	8.387983	TRUE	868.41	280	0.03228	0.0000406
5488804175860	548880	4175860	8.412963	8.412963	14.74343	14.74343	TRUE	20.2633647	8.412963	TRUE	883.38	280	0.03228	0.0000406
5489004175860	548900	4175860	8.468111	8.468111	16.53044	16.53044	TRUE	22.7194326	8.468111	TRUE	898.55	280	0.03228	0.0000406
5489204175860	548920	4175860	8.535954	8.535954	18.76636	18.76636	TRUE	25.7924879	8.535954	TRUE	913.91	280	0.03228	0.0000406
5489404175860	548940	4175860	8.618556	8.618556	21.6483	21.6483	TRUE	29.7534221	8.618556	TRUE	929.44	280	0.03228	0.0000406
5489604175860	548960	4175860	8.69909	8.69909	25.13172	25.13172	TRUE	34.5410318	8.69909	TRUE	945.14	280	0.03228	0.0000406
5489804175860	548980	4175860	8.784759	8.784759	28.25572	28.25572	TRUE	38.8346547	8.784759	TRUE	961.00	280	0.03228	0.0000406
5490004175860	549000	4175860	8.844777	8.844777	28.80456	28.80456	TRUE	39.5889818	8.844777	TRUE	977.02	280	0.03228	0.0000406
5490204175860	549020	4175860	9.032551	9.032551	34.12268	34.12268	TRUE	46.8982155	9.032551	TRUE	993.17	280	0.03228	0.0000406
5490404175860	549040	4175860	9.31077	9.31077	43.49463	43.49463	TRUE	59.7790167	9.31077	TRUE	1009.47	280	0.03228	0.0000406
5490604175860	549060	4175860	9.69568	9.69568	54.36048	54.36048	TRUE	74.7130478	9.69568	TRUE	1025.89	280	0.03228	0.0000406
5490804175860	549080	4175860	9.807931	9.807931	55.40917	55.40917	FALSE	76.1543605	9.807931	FALSE	1042.45	280	0.03228	0.0000406
5491004175860	549100	4175860	11.20684	11.20684	90.92472	90.92472	FALSE	124.966931	11.206838	FALSE	1059.12	280	0.03228	0.0000406
5491204175860	549120	4175860	10.40209	10.40209	70.04755	70.04755	FALSE	96.2733458	10.402086	FALSE	1075.90	280	0.03228	0.0000406
5469604175880	546960	4175880	8.313921	8.313921	8.818609	8.818609	FALSE	12.1202962	8.313921	FALSE	1390.53	280	0.03228	0.0000406
5469804175880	546980	4175880	8.29145	8.29145	7.941237	7.941237	FALSE	10.9144361	8.29145	FALSE	1372.52	280	0.03228	0.0000406
5470004175880	547000	4175880	8.269824	8.269824	7.064334	7.064334	FALSE	9.70922065	8.269824	FALSE	1354.57	280	0.03228	0.0000406
5470204175880	547020	4175880	8.250012	8.250012	6.226916	6.226916	FALSE	8.55827335	8.250012	FALSE	1336.67	280	0.03228	0.0000406
5470404175880	547040	4175880	8.236313	8.236313	5.630051	5.630051	FALSE	7.73794209	8.236313	FALSE	1318.83	280	0.03228	0.0000406
5470604175880	547060	4175880	8.226505	8.226505	5.204737	5.204737	FALSE	7.15339053	8.226505	FALSE	1301.06	280	0.03228	0.0000406
5470804175880	547080	4175880	8.220115	8.220115	4.918674	4.918674	FALSE	6.76022555	8.220115	FALSE	1283.35	280	0.03228	0.0000406
5471004175880	547100	4175880	8.218851	8.218851	4.799079	4.799079	FALSE	6.59585418	8.218851	FALSE	1265.71	280	0.03228	0.0000406
5471204175880	547120	4175880	8.224795	8.224795	4.857905	4.857905	FALSE	6.67670463	8.224795	FALSE	1248.14	280	0.03228	0.0000406
5471404175880	547140	4175880	8.223713	8.223713	4.810726	4.810726	FALSE	6.61186181	8.223713	FALSE	1230.64	280	0.03228	0.0000406
5471604175880	547160	4175880	8.217738	8.217738	4.634559	4.634559	FALSE	6.36973789	8.217738	FALSE	1213.23	280	0.03228	0.0000406
5471804175880	547180	4175880	8.207979	8.207979	4.406566	4.406566	FALSE	6.05638431	8.207979	FALSE	1195.89	280	0.03228	0.0000406
5472004175880	547200	4175880	8.199547	8.199547	4.163379	4.163379	FALSE	5.7221481	8.199547	FALSE	1178.64	280	0.03228	0.0000406
5472204175880	547220	4175880	8.196915	8.196915	4.071153	4.071153	FALSE	5.59539268	8.196915	FALSE	1161.47	280	0.03228	0.0000406
5472404175880	547240	4175880	8.198111	8.198111	4.042658	4.042658	FALSE	5.55622916	8.198111	FALSE	1144.40	280	0.03228	0.0000406
5472604175880	547260	4175880	8.219701	8.219701	4.477665	4.477665	FALSE	6.15410278	8.219701	FALSE	1127.42	280	0.03228	0.0000406
5472804175880	547280	4175880	8.204161	8.204161	4.076483	4.076483	FALSE	5.60271824	8.204161	FALSE	1110.55	280	0.03228	0.0000406
5473004175880	547300	4175880	8.195161	8.195161	3.863114	3.863114	FALSE	5.30946388	8.195161	FALSE	1093.78	280	0.03228	0.0000406
5473204175880	547320	4175880	8.184257	8.184257	3.589189	3.589189	FALSE	4.93298136	8.184257	FALSE	1077.12	280	0.03228	0.0000406
5473404175880	547340	4175880	8.170114	8.170114	3.239139	3.239139	FALSE	4.45187264	8.170114	FALSE	1060.57	280	0.03228	0.0000406
5473604175880	547360	4175880	8.163554	8.163554	3.062959	3.062959	FALSE	4.20973085	8.163554	FALSE	1044.15	280	0.03228	0.0000406
5473804175880	547380	4175880	8.162182	8.162182	3.022977	3.022977	FALSE	4.15477959	8.162182	FALSE	1027.85	280	0.03228	0.0000406
5474004175880	547400	4175880	8.165224	8.165224	3.074558	3.074558	FALSE	4.22567252	8.165224	FALSE	1011.69	280	0.03228	0.0000406
5474204175880	547420	4175880	8.1713	8.1713	3.181324	3.181324	FALSE	4.37241171	8.1713	FALSE	995.67	280	0.03228	0.0000406
5474404175880	547440	4175880	8.186601	8.186601	3.498469	3.498469	FALSE	4.80829579	8.186601	FALSE	979.79	280	0.03228	0.0000406
5474604175880	547460	4175880	8.173854	8.173854	3.186331	3.186331	FALSE	4.37929333	8.173854	FALSE	964.06	280	0.03228	0.0000406
5474804175880	547480	4175880	8.177899	8.177899	3.251568	3.251568	FALSE	4.46895506	8.177899	FALSE	948.50	280	0.03228	0.0000406
5475004175880	547500	4175880	8.197997	8.197997	3.612726	3.612726	FALSE	4.96533061	8.197997	FALSE	933.11	280	0.03228	0.0000406
5475204175880	547520	4175880	8.229241	8.229241	4.205387	4.205387	FALSE	5.77988389	8.229241	FALSE	917.89	280	0.03228	0.0000406
5475404175880	547540	4175880	8.202003	8.202003	3.73742	3.73742	FALSE	5.13671005	8.202003	FALSE	902.86	280	0.03228	0.0000406
5475604175880	547560	4175880	8.203994	8.203994	3.855949	3.855949	FALSE	5.29961631	8.203994	FALSE	888.02	280	0.03228	0.0000406
5475804175880	547580	4175880	8.225545	8.225545	4.438507	4.438507	FALSE	6.10028402	8.225545	FALSE	873.39	280	0.03228	0.0000406
5476004175880	547600	4175880	8.231093	8.231093	4.655859	4.655859	FALSE	6.39901261	8.231093	FALSE	858.98	280	0.03228	0.0000406
5476204175880	547620	4175880	8.214693	8.214693	4.409023	4.409023	FALSE	6.05976121	8.214693	FALSE	844.80	280	0.03228	0.0000406
5476404175880	547640	4175880	8.208415	8.208415	4.344768	4.344768	FALSE	5.97144914	8.208415	FALSE	830.85	280	0.03228	0.0000406
5476604175880	547660	4175880	8.206015	8.206015	4.375014	4.375014	FALSE	6.01301924	8.206015	FALSE	817.16	280	0.03228	0.0000406
5476804175880	547680	4175880	8.207732	8.207732	4.527764	4.527764	FALSE	6.22295884	8.207732	FALSE	803.73	280	0.03228	0.0000406
5477004175880	547700	4175880	8.20642	8.20642	4.550644	4.550644	FALSE	6.25440511	8.20642	FALSE	790.58	280	0.03228	0.0000406
5477204175880	547720	4175880	8.204135	8.204135	4.516575	4.516575	FALSE	6.20758068	8.204135	FALSE	777.72	280	0.03228	0.0000406
5477404175880	547740	4175880	8.199733	8.199733	4.392901	4.392901	FALSE	6.03760313	8.199733	FALSE	765.17	280	0.03228	0.0000406
5477604175880	547760	4175880	8.197078	8.197078	4.323462	4.323462	FALSE	5.94216617	8.197078	FALSE	752.94	280	0.03228	0.0000406

5477804175880	547780	4175880	8.199478	8.199478	4.442963	4.442963	FALSE	6.10640835	8.199478	FALSE	741.05	280	0.03228	0.0000406
5478004175880	547800	4175880	8.205981	8.205981	4.694351	4.694351	FALSE	6.45191601	8.205981	FALSE	729.51	280	0.03228	0.0000406
5478204175880	547820	4175880	8.212271	8.212271	4.909252	4.909252	FALSE	6.74727595	8.212271	FALSE	718.34	280	0.03228	0.0000406
5478404175880	547840	4175880	8.221543	8.221543	5.189188	5.189188	FALSE	7.13201999	8.221543	FALSE	707.57	280	0.03228	0.0000406
5478604175880	547860	4175880	8.229442	8.229442	5.39062	5.39062	FALSE	7.40886813	8.229442	FALSE	697.20	280	0.03228	0.0000406
5478804175880	547880	4175880	8.256311	8.256311	6.087876	6.087876	FALSE	8.36717677	8.256311	FALSE	687.25	280	0.03228	0.0000406
5479004175880	547900	4175880	8.265262	8.265262	6.455165	6.455165	FALSE	8.87197878	8.265262	FALSE	677.75	280	0.03228	0.0000406
5479204175880	547920	4175880	8.288888	8.288888	7.151919	7.151919	FALSE	9.82959747	8.288888	FALSE	668.72	280	0.03228	0.0000406
5479404175880	547940	4175880	8.274582	8.274582	6.980915	6.980915	FALSE	9.59456958	8.274582	FALSE	660.16	280	0.03228	0.0000406
5479604175880	547960	4175880	8.281229	8.281229	7.226117	7.226117	FALSE	9.9315752	8.281229	FALSE	652.11	280	0.03228	0.0000406
5479804175880	547980	4175880	8.294923	8.294923	7.485972	7.485972	FALSE	10.2887199	8.294923	FALSE	644.58	280	0.03228	0.0000406
5480004175880	548000	4175880	8.281768	8.281768	7.158113	7.158113	FALSE	9.83811051	8.281768	FALSE	637.59	280	0.03228	0.0000406
5480204175880	548020	4175880	8.285167	8.285167	7.270876	7.270876	FALSE	9.99309197	8.285167	FALSE	631.15	280	0.03228	0.0000406
5480404175880	548040	4175880	8.310358	8.310358	7.894434	7.894434	FALSE	10.8501101	8.310358	FALSE	625.29	280	0.03228	0.0000406
5480604175880	548060	4175880	8.300806	8.300806	7.866804	7.866804	FALSE	10.8121354	8.300806	FALSE	620.01	280	0.03228	0.0000406
5480804175880	548080	4175880	8.293203	8.293203	7.998627	7.998627	FALSE	10.9933129	8.293203	FALSE	615.35	280	0.03228	0.0000406
5481004175880	548100	4175880	8.296784	8.296784	8.489389	8.489389	FALSE	11.6678162	8.296784	FALSE	611.30	280	0.03228	0.0000406
5481204175880	548120	4175880	8.285692	8.285692	8.546961	8.546961	FALSE	11.7469432	8.285692	FALSE	607.88	280	0.03228	0.0000406
5481404175880	548140	4175880	8.27892	8.27892	8.9347	8.9347	FALSE	12.2798517	8.27892	FALSE	605.10	280	0.03228	0.0000406
5481604175880	548160	4175880	8.28392	8.28392	9.890115	9.890115	FALSE	13.5929741	8.28392	FALSE	602.98	280	0.03228	0.0000406
5481804175880	548180	4175880	8.28346	8.28346	10.74948	10.74948	FALSE	14.7740908	8.28346	FALSE	601.51	280	0.03228	0.0000406
5482004175880	548200	4175880	8.276614	8.276614	11.41155	11.41155	FALSE	15.6840288	8.276614	FALSE	600.71	280	0.03228	0.0000406
5482204175880	548220	4175880	8.288672	8.288672	12.58619	12.58619	FALSE	17.298465	8.288672	FALSE	600.57	280	0.03228	0.0000406
5482404175880	548240	4175880	8.318352	8.318352	15.1736	15.1736	FALSE	20.8545958	8.318352	FALSE	601.10	280	0.03228	0.0000406
5482604175880	548260	4175880	8.329672	8.329672	16.07059	16.07059	FALSE	22.0874244	8.329672	FALSE	602.29	280	0.03228	0.0000406
5482804175880	548280	4175880	8.301481	8.301481	13.84494	13.84494	FALSE	19.0284814	8.301481	FALSE	604.14	280	0.03228	0.0000406
5483004175880	548300	4175880	8.299308	8.299308	13.58681	13.58681	FALSE	18.6737117	8.299308	FALSE	606.64	280	0.03228	0.0000406
5483204175880	548320	4175880	8.30655	8.30655	14.02938	14.02938	FALSE	19.2819812	8.30655	FALSE	609.80	280	0.03228	0.0000406
5483404175880	548340	4175880	8.317641	8.317641	14.84152	14.84152	FALSE	20.3981865	8.317641	FALSE	613.58	280	0.03228	0.0000406
5483604175880	548360	4175880	8.340844	8.340844	16.68511	16.68511	FALSE	22.9320207	8.340844	FALSE	617.99	280	0.03228	0.0000406
5483804175880	548380	4175880	8.328277	8.328277	15.69775	15.69775	FALSE	21.5749876	8.328277	FALSE	623.02	280	0.03228	0.0000406
5484004175880	548400	4175880	8.293701	8.293701	13.22098	13.22098	FALSE	18.170919	8.293701	FALSE	628.64	280	0.03228	0.0000406
5484204175880	548420	4175880	8.275201	8.275201	11.95212	11.95212	FALSE	16.426991	8.275201	FALSE	634.84	280	0.03228	0.0000406
5484404175880	548440	4175880	8.264603	8.264603	11.24024	11.24024	FALSE	15.4485817	8.264603	FALSE	641.60	280	0.03228	0.0000406
5484604175880	548460	4175880	8.259672	8.259672	10.84667	10.84667	FALSE	14.9076605	8.259672	FALSE	648.91	280	0.03228	0.0000406
5484804175880	548480	4175880	8.252448	8.252448	10.38902	10.38902	FALSE	14.2786718	8.252448	FALSE	656.75	280	0.03228	0.0000406
5485004175880	548500	4175880	8.244767	8.244767	9.915751	9.915751	FALSE	13.6282082	8.244767	FALSE	665.09	280	0.03228	0.0000406
5485204175880	548520	4175880	8.236447	8.236447	9.480354	9.480354	FALSE	13.0297985	8.236447	FALSE	673.93	280	0.03228	0.0000406
5485404175880	548540	4175880	8.227995	8.227995	9.046992	9.046992	FALSE	12.4341858	8.227995	FALSE	683.24	280	0.03228	0.0000406
5485604175880	548560	4175880	8.221021	8.221021	8.662803	8.662803	FALSE	11.9061564	8.221021	FALSE	693.00	280	0.03228	0.0000406
5485804175880	548580	4175880	8.215679	8.215679	8.359927	8.359927	FALSE	11.4898837	8.215679	FALSE	703.19	280	0.03228	0.0000406
5486004175880	548600	4175880	8.218021	8.218021	8.438899	8.438899	FALSE	11.5984228	8.218021	FALSE	713.80	280	0.03228	0.0000406
5486204175880	548620	4175880	8.220001	8.220001	8.436886	8.436886	FALSE	11.5956561	8.220001	FALSE	724.81	280	0.03228	0.0000406
5486404175880	548640	4175880	8.22322	8.22322	8.463002	8.463002	FALSE	11.6315499	8.22322	FALSE	736.19	280	0.03228	0.0000406
5486604175880	548660	4175880	8.228844	8.228844	8.635414	8.635414	FALSE	11.868513	8.228844	FALSE	747.94	280	0.03228	0.0000406
5486804175880	548680	4175880	8.236773	8.236773	8.894485	8.894485	FALSE	12.2245802	8.236773	FALSE	760.03	280	0.03228	0.0000406
5487004175880	548700	4175880	8.247964	8.247964	9.262178	9.262178	FALSE	12.7299374	8.247964	FALSE	772.45	280	0.03228	0.0000406
5487204175880	548720	4175880	8.262561	8.262561	9.770049	9.770049	FALSE	13.4279553	8.262561	FALSE	785.19	280	0.03228	0.0000406
5487404175880	548740	4175880	8.277144	8.277144	10.28434	10.28434	FALSE	14.1347955	8.277144	FALSE	798.22	280	0.03228	0.0000406
5487604175880	548760	4175880	8.293195	8.293195	10.90511	10.90511	FALSE	14.9879832	8.293195	FALSE	811.53	280	0.03228	0.0000406
5487804175880	548780	4175880	8.319176	8.319176	11.85203	11.85203	FALSE	16.2894342	8.319176	FALSE	825.12	280	0.03228	0.0000406
5488004175880	548800	4175880	8.352272	8.352272	12.95032	12.95032	FALSE	17.7989239	8.352272	FALSE	838.96	280	0.03228	0.0000406
5488204175880	548820	4175880	8.395603	8.395603	14.36641	14.36641	FALSE	19.7451884	8.395603	FALSE	853.04	280	0.03228	0.0000406
5488404175880	548840	4175880	8.415992	8.415992	15.00059	15.00059	TRUE	20.6168095	8.415992	TRUE	867.36	280	0.03228	0.0000406
5488604175880	548860	4175880	8.431758	8.431758	15.45257	15.45257	TRUE	21.2380136	8.431758	TRUE	881.90	280	0.03228	0.0000406
5488804175880	548880	4175880	8.442895	8.442895	15.75962	15.75962	TRUE	21.660019	8.442895	TRUE	896.65	280	0.03228	0.0000406
5489004175880	548900	4175880	8.510954	8.510954	18.02398	18.02398	TRUE	24.7721622	8.510954	TRUE	911.60	280	0.03228	0.0000406
5489204175880	548920	4175880	8.578582	8.578582	20.21161	20.21161	TRUE	27.7788368	8.578582	TRUE	926.74	280	0.03228	0.0000406
5489404175880	548940	4175880	8.648612	8.648612	22.61401	22.61401	TRUE	31.080694	8.648612	TRUE	942.06	280	0.03228	0.0000406
5489604175880	548960	4175880	8.70571	8.70571	25.36239	25.36239	TRUE	34.8580729	8.70571	TRUE	957.56	280	0.03228	0.0000406
5489804175880	548980	4175880	8.751059	8.751059	26.87989	26.87989	TRUE	36.9437208	8.751059	TRUE	973.22	280	0.03228	0.0000406
5490004175880	549000	4175880	8.770608	8.770608	26.19667	26.19667	TRUE	36.004706	8.770608	TRUE	989.03	280	0.03228	0.0000406
5490204175880	549020	4175880	8.879227	8.879227	29.03104	29.03104	TRUE	39.90026	8.879227	TRUE	1005.00	280	0.03228	0.0000406
5490404175880	549040	4175880	9.02063	9.02063	33.28232	33.28232	TRUE	45.7432206	9.02063	TRUE	1021.10	280	0.03228	0.0000406
5490604175880	549060	4175880	9.212677	9.212677	39.59054	39.59054	TRUE	54.4132368	9.212677	TRUE	1037.34	280	0.03228	0.0000406
5490804175880	549080	4175880	9.514787	9.514787	50.92449	50.92449	TRUE	69.9906191	9.514787	TRUE	1053.71	280	0.03228	0.0000406
5491004175880	549100	4175880	10.05953	10.05953	62.71413	62.71413	FALSE	86.1942961	10.059525	FALSE	1070.21	280	0.03228	0.0000406
5469604175900	546960	4175900	8.303859	8.303859	8.473752	8.473752	FALSE	11.6463247	8.303859	FALSE	1399.29	280	0.03228	0.0000406
5469804175900	546980	4175900	8.282401	8.282401	7.628753	7.628753	FALSE	10.4849581	8.282401	FALSE	1381.39	280	0.03228	0.0000406
5470004175900	547000	4175900	8.259581	8.259581	6.691769	6.691769	FALSE	9.19716731	8.259581	FALSE	1363.55	280	0.03228	0.0000406
5470204175900	547020	4175900	8.237254	8.237254	5.753842	5.753842	FALSE	7.90808044	8.237254	FALSE	1345.77	280	0.03228	0.0000406
5470404175900	547040	4175900	8.226995	8.226995	5.315982	5.315982	FALSE	7.30628566	8.226995	FALSE	1328.06	280	0.03228	0.0000406
5470604175900	547060	4175900	8.219394	8.219394	4.994882	4.994882	FALSE	6.86496582	8.219394	FALSE	1310.41	280	0.03228	0.0000406
5470804175900	547080	4175900	8.214438	8.214438	4.77685	4.77685	FALSE	6.56530264	8.214438	FALSE	1292.83	280	0.03228	0.0000406
5471004175900	547100	4175900	8.212336	8.212336	4.647394	4.647394	FALSE	6.38737831	8.212336	FALSE	1275.32	280	0.03228	0.0000406
5471204175900	547120	4175900	8.214639	8.214639	4.632701	4.632701	FALSE	6.36718425	8.214639	FALSE	1257.88	280	0.03228	0.0000406
5471404175900	547140	4175900	8.233119	8.233119	4.938386	4.938386	FALSE	6.78731772	8.233119	FALSE	1240.53	280	0.03228	0.0000406
5471604175900	547160	4175900	8.216679	8.216679	4.573571	4.573571	FALSE	6.28591598	8.216679	FALSE	1223.25	280	0.03228	0.0000406
5471804175900	547180	4175900	8.203616	8.203616	4.292146	4.292146	FALSE	5.89912546	8.203616	FALSE	1206.06	280	0.03228	0.0000406
5472004175900	547200	4175900	8.194695	8.194695	4.048746	4.048746	FALSE	5.5645965	8.194695	FALSE	1188.95	280	0.03228	0.0000406
5472204175900	547220	4175900	8.190216	8.190216	3.915009	3.915009	FALSE	5.38078837	8.190216	FALSE	1171.94	280	0.03228	0.0000406
5472404175900	547240	4175900	8.190289	8.190289	3.867191	3.867191	FALSE	5.31506731	8.190289	FALSE	1155.02	280	0.03228	0.0000406
5472604175900	547260	4175900	8.205932	8.205932	4.189502	4.189502	FALSE	5.75805155	8.205932	FALSE	1138.20	280	0.03228	0.0000406
5472804175900	547280	4175900	8.201347	8.201347	3.986461	3.986461	FALSE	5.478992	8.201347	FALSE	1121.49	280	0.03228	0.0000406
5473004175900	547300	4175900	8.182471	8.182471	3.5615	3.5615	FALSE	4.8949256	8.182471	FALSE	1104.89	280	0.03228	0.0000406
5473204175900	547320	4175900	8.169319	8.169319	3.24601	3.24601	FALSE	4.46131614	8.169319	FALSE	1088.40	280	0.03228	0.0000406
5473404175900	547340	4175900	8.162766	8.162766	3.070667	3.070667	FALSE	4.22032472	8.162766	FALSE	1072.03	280	0.03228	0.0000406
5473604175900	547360	4175900	8.160082	8.160082	2.984148	2.984148	FALSE	4.10141301	8.160082	FALSE	1055.78	280	0.03228	0.0000406
5473804175900	547380	4175900	8.160478	8.160478	2.984853	2.984853	FALSE	4.10238196	8.160478	FALSE	1039.67	280	0.03228	0.0000406
5474004175900	547400	4175900	8.164145	8.164145	3.038688	3.038688	FALSE	4.17637279	8.164145	FALSE	1023.69	280	0.03228	0.0000406
5474204175900	547420	4175900	8.171583	8.171583	3.165378	3.165378	FALSE	4.35049552	8.171583	FALSE	1007.86	280	0.03228	0.0000406
5474404175900	547440	4175900	8.189295	8.189295	3.523301	3.523301	FALSE	4.84242489	8.189295	FALSE	992.17	280	0.03228	0.0000406
5474604175900	547460	4175900	8.187955	8.187955	3.461928	3.461928	FALSE	4.75807384	8.187955	FALSE	976.65	280	0.03228	0.0000406
5474804175900	547480	4175900	8.188159	8.188159	3.446649	3.446649	FALSE	4.73707439	8.188159	FALSE	961.29	280	0.03228	0.0000406

5475004175900	547500	4175900	8.202122	8.202122	3.688119	3.688119	FALSE	5.06895075	8.202122	FALSE	946.10	280	0.03228	0.0000406
5475204175900	547520	4175900	8.233959	8.233959	4.307316	4.307316	FALSE	5.91997511	8.233959	FALSE	931.10	280	0.03228	0.0000406
5475404175900	547540	4175900	8.196543	8.196543	3.652769	3.652769	FALSE	5.02036571	8.196543	FALSE	916.28	280	0.03228	0.0000406
5475604175900	547560	4175900	8.193261	8.193261	3.655945	3.655945	FALSE	5.02473081	8.193261	FALSE	901.67	280	0.03228	0.0000406
5475804175900	547580	4175900	8.204474	8.204474	3.985741	3.985741	FALSE	5.47800243	8.204474	FALSE	887.27	280	0.03228	0.0000406
5476004175900	547600	4175900	8.232507	8.232507	4.697713	4.697713	FALSE	6.45653675	8.232507	FALSE	873.08	280	0.03228	0.0000406
5476204175900	547620	4175900	8.209666	8.209666	4.28627	4.28627	FALSE	5.89104949	8.209666	FALSE	859.13	280	0.03228	0.0000406
5476404175900	547640	4175900	8.20372	8.20372	4.212196	4.212196	FALSE	5.78924218	8.20372	FALSE	845.42	280	0.03228	0.0000406
5476604175900	547660	4175900	8.201441	8.201441	4.22837	4.22837	FALSE	5.81147173	8.201441	FALSE	831.97	280	0.03228	0.0000406
5476804175900	547680	4175900	8.203113	8.203113	4.36365	4.36365	FALSE	5.99740056	8.203113	FALSE	818.78	280	0.03228	0.0000406
5477004175900	547700	4175900	8.201767	8.201767	4.37687	4.37687	FALSE	6.01557013	8.201767	FALSE	805.88	280	0.03228	0.0000406
5477204175900	547720	4175900	8.200065	8.200065	4.361316	4.361316	FALSE	5.99419271	8.200065	FALSE	793.27	280	0.03228	0.0000406
5477404175900	547740	4175900	8.196993	8.196993	4.286631	4.286631	FALSE	5.89154565	8.196993	FALSE	780.96	280	0.03228	0.0000406
5477604175900	547760	4175900	8.194352	8.194352	4.217178	4.217178	FALSE	5.79608944	8.194352	FALSE	768.99	280	0.03228	0.0000406
5477804175900	547780	4175900	8.195788	8.195788	4.299171	4.299171	FALSE	5.90878062	8.195788	FALSE	757.35	280	0.03228	0.0000406
5478004175900	547800	4175900	8.200236	8.200236	4.471486	4.471486	FALSE	6.14561036	8.200236	FALSE	746.06	280	0.03228	0.0000406
5478204175900	547820	4175900	8.205944	8.205944	4.663903	4.663903	FALSE	6.41006828	8.205944	FALSE	735.15	280	0.03228	0.0000406
5478404175900	547840	4175900	8.215144	8.215144	4.944932	4.944932	FALSE	6.79631454	8.215144	FALSE	724.62	280	0.03228	0.0000406
5478604175900	547860	4175900	8.224134	8.224134	5.191724	5.191724	FALSE	7.13550547	8.224134	FALSE	714.50	280	0.03228	0.0000406
5478804175900	547880	4175900	8.251046	8.251046	5.903362	5.903362	FALSE	8.11358073	8.251046	FALSE	704.80	280	0.03228	0.0000406
5479004175900	547900	4175900	8.303274	8.303274	7.100926	7.100926	FALSE	9.75951269	8.303274	FALSE	695.54	280	0.03228	0.0000406
5479204175900	547920	4175900	8.279316	8.279316	6.796798	6.796798	FALSE	9.34151917	8.279316	FALSE	686.74	280	0.03228	0.0000406
5479404175900	547940	4175900	8.264479	8.264479	6.59844	6.59844	FALSE	9.06889594	8.264479	FALSE	678.41	280	0.03228	0.0000406
5479604175900	547960	4175900	8.270858	8.270858	6.842367	6.842367	FALSE	9.4041492	8.270858	FALSE	670.58	280	0.03228	0.0000406
5479804175900	547980	4175900	8.278518	8.278518	7.001361	7.001361	FALSE	9.62267056	8.278518	FALSE	663.25	280	0.03228	0.0000406
5480004175900	548000	4175900	8.258048	8.258048	6.46339	6.46339	FALSE	8.88328322	8.258048	FALSE	656.46	280	0.03228	0.0000406
5480204175900	548020	4175900	8.259499	8.259499	6.498283	6.498283	FALSE	8.93124016	8.259499	FALSE	650.21	280	0.03228	0.0000406
5480404175900	548040	4175900	8.262492	8.262492	6.664877	6.664877	FALSE	9.16020695	8.262492	FALSE	644.52	280	0.03228	0.0000406
5480604175900	548060	4175900	8.276888	8.276888	7.22711	7.22711	FALSE	9.93293998	8.276888	FALSE	639.41	280	0.03228	0.0000406
5480804175900	548080	4175900	8.268191	8.268191	7.376524	7.376524	FALSE	10.1382946	8.268191	FALSE	634.88	280	0.03228	0.0000406
5481004175900	548100	4175900	8.268592	8.268592	7.743602	7.743602	FALSE	10.6428066	8.268592	FALSE	630.96	280	0.03228	0.0000406
5481204175900	548120	4175900	8.266856	8.266856	8.033488	8.033488	FALSE	11.0412259	8.266856	FALSE	627.65	280	0.03228	0.0000406
5481404175900	548140	4175900	8.267744	8.267744	8.482963	8.482963	FALSE	11.6589843	8.267744	FALSE	624.96	280	0.03228	0.0000406
5481604175900	548160	4175900	8.271629	8.271629	9.125483	9.125483	FALSE	12.5420638	8.271629	FALSE	622.90	280	0.03228	0.0000406
5481804175900	548180	4175900	8.267686	8.267686	9.642622	9.642622	FALSE	13.2528197	8.267686	FALSE	621.48	280	0.03228	0.0000406
5482004175900	548200	4175900	8.255797	8.255797	9.934964	9.934964	FALSE	13.6546145	8.255797	FALSE	620.70	280	0.03228	0.0000406
5482204175900	548220	4175900	8.262544	8.262544	10.74818	10.74818	FALSE	14.7722917	8.262544	FALSE	620.57	280	0.03228	0.0000406
5482404175900	548240	4175900	8.290538	8.290538	13.18668	13.18668	FALSE	18.1237702	8.290538	FALSE	621.08	280	0.03228	0.0000406
5482604175900	548260	4175900	8.302709	8.302709	14.17652	14.17652	FALSE	19.4842132	8.302709	FALSE	622.23	280	0.03228	0.0000406
5482804175900	548280	4175900	8.27451	8.27451	12.00147	12.00147	FALSE	16.494819	8.27451	FALSE	624.02	280	0.03228	0.0000406
5483004175900	548300	4175900	8.271596	8.271596	11.72318	11.72318	FALSE	16.11234	8.271596	FALSE	626.45	280	0.03228	0.0000406
5483204175900	548320	4175900	8.280525	8.280525	12.29002	12.29002	FALSE	16.8914062	8.280525	FALSE	629.50	280	0.03228	0.0000406
5483404175900	548340	4175900	8.298556	8.298556	13.53177	13.53177	FALSE	18.5980688	8.298556	FALSE	633.17	280	0.03228	0.0000406
5483604175900	548360	4175900	8.32582	8.32582	15.66246	15.66246	FALSE	21.5264864	8.32582	FALSE	637.45	280	0.03228	0.0000406
5483804175900	548380	4175900	8.312705	8.312705	14.5608	14.5608	FALSE	20.0123594	8.312705	FALSE	642.32	280	0.03228	0.0000406
5484004175900	548400	4175900	8.283689	8.283689	12.45785	12.45785	FALSE	17.1220635	8.283689	FALSE	647.77	280	0.03228	0.0000406
5484204175900	548420	4175900	8.266587	8.266587	11.28782	11.28782	FALSE	15.5139812	8.266587	FALSE	653.79	280	0.03228	0.0000406
5484404175900	548440	4175900	8.256859	8.256859	10.63924	10.63924	FALSE	14.6225701	8.256859	FALSE	660.36	280	0.03228	0.0000406
5484604175900	548460	4175900	8.252561	8.252561	10.28863	10.28863	FALSE	14.1406958	8.252561	FALSE	667.46	280	0.03228	0.0000406
5484804175900	548480	4175900	8.245977	8.245977	9.872239	9.872239	FALSE	13.5684053	8.245977	FALSE	675.08	280	0.03228	0.0000406
5485004175900	548500	4175900	8.239564	8.239564	9.46758	9.46758	FALSE	13.012242	8.239564	FALSE	683.21	280	0.03228	0.0000406
5485204175900	548520	4175900	8.23297	8.23297	9.116345	9.116345	FALSE	12.5295046	8.23297	FALSE	691.81	280	0.03228	0.0000406
5485404175900	548540	4175900	8.226096	8.226096	8.748446	8.748446	FALSE	12.0238642	8.226096	FALSE	700.88	280	0.03228	0.0000406
5485604175900	548560	4175900	8.221671	8.221671	8.497479	8.497479	FALSE	11.6789351	8.221671	FALSE	710.40	280	0.03228	0.0000406
5485804175900	548580	4175900	8.219577	8.219577	8.356471	8.356471	FALSE	11.4851337	8.219577	FALSE	720.35	280	0.03228	0.0000406
5486004175900	548600	4175900	8.223374	8.223374	8.438025	8.438025	FALSE	11.5972216	8.223374	FALSE	730.71	280	0.03228	0.0000406
5486204175900	548620	4175900	8.227292	8.227292	8.563173	8.563173	FALSE	11.769225	8.227292	FALSE	741.47	280	0.03228	0.0000406
5486404175900	548640	4175900	8.230748	8.230748	8.648662	8.648662	FALSE	11.8867211	8.230748	FALSE	752.60	280	0.03228	0.0000406
5486604175900	548660	4175900	8.235064	8.235064	8.766597	8.766597	FALSE	12.0488109	8.235064	FALSE	764.09	280	0.03228	0.0000406
5486804175900	548680	4175900	8.241611	8.241611	8.972356	8.972356	FALSE	12.3316061	8.241611	FALSE	775.93	280	0.03228	0.0000406
5487004175900	548700	4175900	8.252243	8.252243	9.327807	9.327807	FALSE	12.8201379	8.252243	FALSE	788.10	280	0.03228	0.0000406
5487204175900	548720	4175900	8.265782	8.265782	9.798188	9.798188	FALSE	13.4666296	8.265782	FALSE	800.59	280	0.03228	0.0000406
5487404175900	548740	4175900	8.276414	8.276414	10.16925	10.16925	FALSE	13.9766131	8.276414	FALSE	813.37	280	0.03228	0.0000406
5487604175900	548760	4175900	8.285243	8.285243	10.62536	10.62536	FALSE	14.6035003	8.285243	FALSE	826.44	280	0.03228	0.0000406
5487804175900	548780	4175900	8.316975	8.316975	11.86817	11.86817	FALSE	16.3116087	8.316975	FALSE	839.78	280	0.03228	0.0000406
5488004175900	548800	4175900	8.383423	8.383423	15.39	15.39	FALSE	21.1520119	8.383423	FALSE	853.39	280	0.03228	0.0000406
5488204175900	548820	4175900	8.428816	8.428816	15.89529	15.89529	FALSE	21.8464907	8.428816	FALSE	867.24	280	0.03228	0.0000406
5488404175900	548840	4175900	8.47583	8.47583	18.49473	18.49473	FALSE	25.4191583	8.47583	FALSE	881.33	280	0.03228	0.0000406
5488604175900	548860	4175900	8.481067	8.481067	17.69008	17.69008	FALSE	24.3132418	8.481067	FALSE	895.64	280	0.03228	0.0000406
5488804175900	548880	4175900	8.493222	8.493222	18.03629	18.03629	FALSE	24.7890784	8.493222	FALSE	910.17	280	0.03228	0.0000406
5489004175900	548900	4175900	8.546047	8.546047	20.6643	20.6643	FALSE	28.4010167	8.546047	FALSE	924.90	280	0.03228	0.0000406
5489204175900	548920	4175900	8.578259	8.578259	20.65239	20.65239	FALSE	28.3846421	8.578259	FALSE	939.82	280	0.03228	0.0000406
5489404175900	548940	4175900	8.6501	8.6501	23.83587	23.83587	FALSE	32.7600252	8.6501	FALSE	954.94	280	0.03228	0.0000406
5489604175900	548960	4175900	8.678619	8.678619	24.43349	24.43349	FALSE	33.5813914	8.678619	FALSE	970.23	280	0.03228	0.0000406
5489804175900	548980	4175900	8.70911	8.70911	25.24993	25.24993	FALSE	34.7035024	8.70911	FALSE	985.68	280	0.03228	0.0000406
5490004175900	549000	4175900	8.717712	8.717712	24.40095	24.40095	FALSE	33.5366671	8.717712	FALSE	1001.30	280	0.03228	0.0000406
5490204175900	549020	4175900	8.791774	8.791774	26.28118	26.28118	FALSE	36.120851	8.791774	FALSE	1017.07	280	0.03228	0.0000406
5490404175900	549040	4175900	8.881157	8.881157	28.92807	28.92807	FALSE	39.7587394	8.881157	FALSE	1032.99	280	0.03228	0.0000406
5490604175900	549060	4175900	8.995106	8.995106	32.42699	32.42699	FALSE	44.5676592	8.995106	FALSE	1049.05	280	0.03228	0.0000406
5490804175900	549080	4175900	9.085312	9.085312	35.51045	35.51045	FALSE	48.8055611	9.085312	FALSE	1065.24	280	0.03228	0.0000406
5491004175900	549100	4175900	9.269881	9.269881	42.43839	42.43839	FALSE	58.327326	9.269881	FALSE	1081.56	280	0.03228	0.0000406
5469604175920	546960	4175920	8.295901	8.295901	8.192139	8.192139	FALSE	11.2592758	8.295901	FALSE	1408.27	280	0.03228	0.0000406
5469804175920	546980	4175920	8.273415	8.273415	7.288761	7.288761	FALSE	10.0176731	8.273415	FALSE	1390.49	280	0.03228	0.0000406
5470004175920	547000	4175920	8.249434	8.249434	6.296124	6.296124	FALSE	8.65339283	8.249434	FALSE	1372.77	280	0.03228	0.0000406
5470204175920	547020	4175920	8.226543	8.226543	5.349471	5.349471	FALSE	7.35231294	8.226543	FALSE	1355.11	280	0.03228	0.0000406
5470404175920	547040	4175920	8.220175	8.220175	5.078544	5.078544	FALSE	6.97995087	8.220175	FALSE	1337.52	280	0.03228	0.0000406
5470604175920	547060	4175920	8.21507	8.21507	4.860551	4.860551	FALSE	6.68034129	8.21507	FALSE	1320.00	280	0.03228	0.0000406
5470804175920	547080	4175920	8.211683	8.211683	4.705503	4.705503	FALSE	6.46724332	8.211683	FALSE	1302.55	280	0.03228	0.0000406
5471004175920	547100	4175920	8.20921	8.20921	4.57306	4.57306	FALSE	6.28521366	8.20921	FALSE	1285.17	280	0.03228	0.0000406
5471204175920	547120	4175920	8.20944	8.20944	4.513619	4.513619	FALSE	6.20351795	8.20944	FALSE	1267.87	280	0.03228	0.0000406
5471404175920	547140	4175920	8.21627	8.21627	4.589822	4.589822	FALSE	6.30825136	8.21627	FALSE	1250.65	280	0.03228	0.0000406
5471604175920	547160	4175920	8.220477	8.220477	4.609494	4.609494	FALSE	6.33528855	8.220477	FALSE	1233.52	280	0.03228	0.0000406
5471804175920	547180	4175920	8.20233	8.20233	4.240189	4.240189	FALSE	5.82771576	8.20233	FALSE	1216.47	280	0.03228	0.0000406
5472004175920	547200	4175920	8.193026	8.193026	4.001492	4.001492	FALSE	5.4996506	8.193026	FALSE	1199.51	280	0.03228	0.0000406

5472204175920	547220	4175920	8.187516	8.187516	3.846074	3.846074	FALSE	5.28604411	8.187516	FALSE	1182.65	280	0.03228	0.0000406
5472404175920	547240	4175920	8.186552	8.186552	3.779877	3.779877	FALSE	5.19506295	8.186552	FALSE	1165.89	280	0.03228	0.0000406
5472604175920	547260	4175920	8.195241	8.195241	3.955866	3.955866	FALSE	5.43694223	8.195241	FALSE	1149.23	280	0.03228	0.0000406
5472804175920	547280	4175920	8.198871	8.198871	3.901779	3.901779	FALSE	5.36260506	8.198871	FALSE	1132.68	280	0.03228	0.0000406
5473004175920	547300	4175920	8.174281	8.174281	3.371783	3.371783	FALSE	4.63417856	8.174281	FALSE	1116.24	280	0.03228	0.0000406
5473204175920	547320	4175920	8.165478	8.165478	3.162414	3.162414	FALSE	4.3464218	8.165478	FALSE	1099.92	280	0.03228	0.0000406
5473404175920	547340	4175920	8.16186	8.16186	3.05521	3.05521	FALSE	4.19908062	8.16186	FALSE	1083.73	280	0.03228	0.0000406
5473604175920	547360	4175920	8.160838	8.160838	3.010545	3.010545	FALSE	4.13769305	8.160838	FALSE	1067.66	280	0.03228	0.0000406
5473804175920	547380	4175920	8.162692	8.162692	3.040309	3.040309	FALSE	4.17860069	8.162692	FALSE	1051.73	280	0.03228	0.0000406
5474004175920	547400	4175920	8.167027	8.167027	3.091558	3.091558	FALSE	4.24903732	8.167027	FALSE	1035.94	280	0.03228	0.0000406
5474204175920	547420	4175920	8.178599	8.178599	3.282564	3.282564	FALSE	4.51155596	8.178599	FALSE	1020.29	280	0.03228	0.0000406
5474404175920	547440	4175920	8.21621	8.21621	3.994849	3.994849	FALSE	5.49052047	8.21621	FALSE	1004.80	280	0.03228	0.0000406
5474604175920	547460	4175920	8.215914	8.215914	3.992121	3.992121	FALSE	5.4867711	8.215914	FALSE	989.48	280	0.03228	0.0000406
5474804175920	547480	4175920	8.252517	8.252517	4.657644	4.657644	FALSE	6.40146591	8.252517	FALSE	974.32	280	0.03228	0.0000406
5475004175920	547500	4175920	8.237379	8.237379	4.365181	4.365181	FALSE	5.99950477	8.237379	FALSE	959.34	280	0.03228	0.0000406
5475204175920	547520	4175920	8.260562	8.260562	4.83039	4.83039	FALSE	6.63888802	8.260562	FALSE	944.54	280	0.03228	0.0000406
5475404175920	547540	4175920	8.1958	8.1958	3.662222	3.662222	FALSE	5.03335792	8.1958	FALSE	929.94	280	0.03228	0.0000406
5475604175920	547560	4175920	8.1885	8.1885	3.571135	3.571135	FALSE	4.90816794	8.1885	FALSE	915.55	280	0.03228	0.0000406
5475804175920	547580	4175920	8.193068	8.193068	3.736659	3.736659	FALSE	5.13566413	8.193068	FALSE	901.37	280	0.03228	0.0000406
5476004175920	547600	4175920	8.207706	8.207706	4.133564	4.133564	FALSE	5.68117036	8.207706	FALSE	887.41	280	0.03228	0.0000406
5476204175920	547620	4175920	8.213418	8.213418	4.357676	4.357676	FALSE	5.98918989	8.213418	FALSE	873.69	280	0.03228	0.0000406
5476404175920	547640	4175920	8.203857	8.203857	4.190079	4.190079	FALSE	5.75884458	8.203857	FALSE	860.21	280	0.03228	0.0000406
5476604175920	547660	4175920	8.200221	8.200221	4.159905	4.159905	FALSE	5.71737343	8.200221	FALSE	846.99	280	0.03228	0.0000406
5476804175920	547680	4175920	8.200686	8.200686	4.244333	4.244333	FALSE	5.83341128	8.200686	FALSE	834.04	280	0.03228	0.0000406
5477004175920	547700	4175920	8.19965	8.19965	4.262106	4.262106	FALSE	5.85783849	8.19965	FALSE	821.38	280	0.03228	0.0000406
5477204175920	547720	4175920	8.198378	8.198378	4.258941	4.258941	FALSE	5.85348851	8.198378	FALSE	809.01	280	0.03228	0.0000406
5477404175920	547740	4175920	8.195921	8.195921	4.206279	4.206279	FALSE	5.78110986	8.195921	FALSE	796.95	280	0.03228	0.0000406
5477604175920	547760	4175920	8.193317	8.193317	4.137608	4.137608	FALSE	5.68672844	8.193317	FALSE	785.21	280	0.03228	0.0000406
5477804175920	547780	4175920	8.194237	8.194237	4.198007	4.198007	FALSE	5.76974082	8.194237	FALSE	773.82	280	0.03228	0.0000406
5478004175920	547800	4175920	8.197574	8.197574	4.325455	4.325455	FALSE	5.94490535	8.197574	FALSE	762.78	280	0.03228	0.0000406
5478204175920	547820	4175920	8.203588	8.203588	4.525661	4.525661	FALSE	6.22006848	8.203588	FALSE	752.10	280	0.03228	0.0000406
5478404175920	547840	4175920	8.213259	8.213259	4.818316	4.818316	FALSE	6.62229351	8.213259	FALSE	741.82	280	0.03228	0.0000406
5478604175920	547860	4175920	8.22269	8.22269	5.07732	5.07732	FALSE	6.97826861	8.22269	FALSE	731.93	280	0.03228	0.0000406
5478804175920	547880	4175920	8.249054	8.249054	5.759253	5.759253	FALSE	7.91551732	8.249054	FALSE	722.47	280	0.03228	0.0000406
5479004175920	547900	4175920	8.26027	8.26027	6.145808	6.145808	FALSE	8.44679852	8.26027	FALSE	713.44	280	0.03228	0.0000406
5479204175920	547920	4175920	8.274388	8.274388	6.586374	6.586374	FALSE	9.05231243	8.274388	FALSE	704.86	280	0.03228	0.0000406
5479404175920	547940	4175920	8.260569	8.260569	6.396948	6.396948	FALSE	8.79196533	8.260569	FALSE	696.75	280	0.03228	0.0000406
5479604175920	547960	4175920	8.266372	8.266372	6.604644	6.604644	FALSE	9.07742271	8.266372	FALSE	689.13	280	0.03228	0.0000406
5479804175920	547980	4175920	8.271282	8.271282	6.665563	6.665563	FALSE	9.16114979	8.271282	FALSE	682.00	280	0.03228	0.0000406
5480004175920	548000	4175920	8.250721	8.250721	6.147051	6.147051	FALSE	8.44850689	8.250721	FALSE	675.40	280	0.03228	0.0000406
5480204175920	548020	4175920	8.252603	8.252603	6.200565	6.200565	FALSE	8.52205654	8.252603	FALSE	669.32	280	0.03228	0.0000406
5480404175920	548040	4175920	8.276643	8.276643	6.769725	6.769725	FALSE	9.30431004	8.276643	FALSE	663.80	280	0.03228	0.0000406
5480604175920	548060	4175920	8.266877	8.266877	6.850085	6.850085	FALSE	9.41475682	8.266877	FALSE	658.83	280	0.03228	0.0000406
5480804175920	548080	4175920	8.258005	8.258005	6.987331	6.987331	FALSE	9.60338773	8.258005	FALSE	654.44	280	0.03228	0.0000406
5481004175920	548100	4175920	8.259772	8.259772	7.353568	7.353568	FALSE	10.1067439	8.259772	FALSE	650.64	280	0.03228	0.0000406
5481204175920	548120	4175920	8.264581	8.264581	7.832244	7.832244	FALSE	10.7646362	8.264581	FALSE	647.43	280	0.03228	0.0000406
5481404175920	548140	4175920	8.262548	8.262548	8.174634	8.174634	FALSE	11.235217	8.262548	FALSE	644.82	280	0.03228	0.0000406
5481604175920	548160	4175920	8.264764	8.264764	8.658037	8.658037	FALSE	11.8996061	8.264764	FALSE	642.83	280	0.03228	0.0000406
5481804175920	548180	4175920	8.259781	8.259781	9.055574	9.055574	FALSE	12.4459809	8.259781	FALSE	641.45	280	0.03228	0.0000406
5482004175920	548200	4175920	8.245749	8.245749	9.189508	9.189508	FALSE	12.6300598	8.245749	FALSE	640.70	280	0.03228	0.0000406
5482204175920	548220	4175920	8.249237	8.249237	9.776313	9.776313	FALSE	13.4365646	8.249237	FALSE	640.57	280	0.03228	0.0000406
5482404175920	548240	4175920	8.277449	8.277449	12.22312	12.22312	FALSE	16.7994603	8.277449	FALSE	641.06	280	0.03228	0.0000406
5482604175920	548260	4175920	8.291599	8.291599	13.3758	13.3758	FALSE	18.3837009	8.291599	FALSE	642.18	280	0.03228	0.0000406
5482804175920	548280	4175920	8.259144	8.259144	10.88554	10.88554	FALSE	14.9610903	8.259144	FALSE	643.92	280	0.03228	0.0000406
5483004175920	548300	4175920	8.258114	8.258114	10.72482	10.72482	FALSE	14.7401885	8.258114	FALSE	646.27	280	0.03228	0.0000406
5483204175920	548320	4175920	8.267598	8.267598	11.33183	11.33183	FALSE	15.5744603	8.267598	FALSE	649.23	280	0.03228	0.0000406
5483404175920	548340	4175920	8.285915	8.285915	12.59386	12.59386	FALSE	17.3090039	8.285915	FALSE	652.78	280	0.03228	0.0000406
5483604175920	548360	4175920	8.308317	8.308317	14.29524	14.29524	FALSE	19.647382	8.308317	FALSE	656.93	280	0.03228	0.0000406
5483804175920	548380	4175920	8.299884	8.299884	13.58174	13.58174	FALSE	18.6667366	8.299884	FALSE	661.66	280	0.03228	0.0000406
5484004175920	548400	4175920	8.274085	8.274085	11.71197	11.71197	FALSE	16.0969274	8.274085	FALSE	666.95	280	0.03228	0.0000406
5484204175920	548420	4175920	8.261397	8.261397	10.79282	10.79282	FALSE	14.8336559	8.261397	FALSE	672.80	280	0.03228	0.0000406
5484404175920	548440	4175920	8.253163	8.253163	10.22868	10.22868	FALSE	14.0582992	8.253163	FALSE	679.19	280	0.03228	0.0000406
5484604175920	548460	4175920	8.248518	8.248518	9.877183	9.877183	FALSE	13.5752003	8.248518	FALSE	686.10	280	0.03228	0.0000406
5484804175920	548480	4175920	8.242523	8.242523	9.502244	9.502244	FALSE	13.0598842	8.242523	FALSE	693.51	280	0.03228	0.0000406
5485004175920	548500	4175920	8.237051	8.237051	9.15816	9.15816	FALSE	12.5869751	8.237051	FALSE	701.42	280	0.03228	0.0000406
5485204175920	548520	4175920	8.231278	8.231278	8.846067	8.846067	FALSE	12.1580345	8.231278	FALSE	709.81	280	0.03228	0.0000406
5485404175920	548540	4175920	8.225517	8.225517	8.539923	8.539923	FALSE	11.7372702	8.225517	FALSE	718.65	280	0.03228	0.0000406
5485604175920	548560	4175920	8.223065	8.223065	8.379954	8.379954	FALSE	11.5174088	8.223065	FALSE	727.94	280	0.03228	0.0000406
5485804175920	548580	4175920	8.223335	8.223335	8.332833	8.332833	FALSE	11.4526457	8.223335	FALSE	737.65	280	0.03228	0.0000406
5486004175920	548600	4175920	8.229888	8.229888	8.592876	8.592876	FALSE	11.8100488	8.229888	FALSE	747.77	280	0.03228	0.0000406
5486204175920	548620	4175920	8.23459	8.23459	8.750788	8.750788	FALSE	12.027083	8.23459	FALSE	758.28	280	0.03228	0.0000406
5486404175920	548640	4175920	8.238973	8.238973	8.889189	8.889189	FALSE	12.2173014	8.238973	FALSE	769.17	280	0.03228	0.0000406
5486604175920	548660	4175920	8.243009	8.243009	9.009576	9.009576	FALSE	12.3827613	8.243009	FALSE	780.42	280	0.03228	0.0000406
5486804175920	548680	4175920	8.249625	8.249625	9.231488	9.231488	FALSE	12.6877571	8.249625	FALSE	792.02	280	0.03228	0.0000406
5487004175920	548700	4175920	8.260274	8.260274	9.590473	9.590473	FALSE	13.1811461	8.260274	FALSE	803.94	280	0.03228	0.0000406
5487204175920	548720	4175920	8.272648	8.272648	10.01343	10.01343	FALSE	13.7624513	8.272648	FALSE	816.19	280	0.03228	0.0000406
5487404175920	548740	4175920	8.281209	8.281209	10.29882	10.29882	FALSE	14.1547023	8.281209	FALSE	828.73	280	0.03228	0.0000406
5487604175920	548760	4175920	8.285458	8.285458	10.47202	10.47202	FALSE	14.392747	8.285458	FALSE	841.56	280	0.03228	0.0000406
5487804175920	548780	4175920	8.319026	8.319026	11.76949	11.76949	FALSE	16.1759926	8.319026	FALSE	854.67	280	0.03228	0.0000406
5488004175920	548800	4175920	8.368445	8.368445	13.53681	13.53681	FALSE	18.6049972	8.368445	FALSE	868.04	280	0.03228	0.0000406
5488204175920	548820	4175920	8.435789	8.435789	15.86658	15.86658	FALSE	21.8070234	8.435789	FALSE	881.66	280	0.03228	0.0000406
5488404175920	548840	4175920	8.466355	8.466355	16.9054	16.9054	FALSE	23.2347749	8.466355	FALSE	895.52	280	0.03228	0.0000406
5488604175920	548860	4175920	8.487857	8.487857	17.61458	17.61458	FALSE	24.2094829	8.487857	FALSE	909.61	280	0.03228	0.0000406
5488804175920	548880	4175920	8.500671	8.500671	18.03385	18.03385	FALSE	24.7857207	8.500671	FALSE	923.92	280	0.03228	0.0000406
5489004175920	548900	4175920	8.522655	8.522655	18.69055	18.69055	TRUE	25.6882864	8.522655	TRUE	938.43	280	0.03228	0.0000406
5489204175920	548920	4175920	8.557893	8.557893	19.77043	19.77043	TRUE	27.1724776	8.557893	TRUE	953.15	280	0.03228	0.0000406
5489404175920	548940	4175920	8.602822	8.602822	21.16619	21.16619	TRUE	29.090817	8.602822	TRUE	968.05	280	0.03228	0.0000406
5489604175920	548960	4175920	8.627435	8.627435	21.82062	21.82062	FALSE	29.9902656	8.627435	FALSE	983.14	280	0.03228	0.0000406
5489804175920	548980	4175920	8.64969	8.64969	22.31133	22.31133	TRUE	30.6646947	8.64969	TRUE	998.39	280	0.03228	0.0000406
5490004175920	549000	4175920	8.668203	8.668203	22.67301	22.67301	TRUE	31.1617808	8.668203	TRUE	1013.82	280	0.03228	0.0000406
5490204175920	549020	4175920	8.721784	8.721784	24.14389	24.14389	TRUE	33.1833624	8.721784	TRUE	1029.40	280	0.03228	0.0000406
5490404175920	549040	4175920	8.782821	8.782821	25.97402	25.97402	TRUE	35.6986862	8.782821	TRUE	1045.13	280	0.03228	0.0000406
5490604175920	549060	4175920	8.859748	8.859748	28.32008	28.32008	TRUE	38.9231111	8.859748	TRUE	1061.00	280	0.03228	0.0000406
5490804175920	549080	4175920	8.890788	8.890788	29.29971	29.29971	TRUE	40.2695269	8.890788	TRUE	1077.01	280	0.03228	0.0000406

5491004175920	549100	4175920	8.961493	8.961493	31.66173	31.66173	TRUE	43.5158831	8.961493	TRUE	1093.16	280	0.03228	0.0000406
5469804175940	546980	4175940	8.26352	8.26352	6.922944	6.922944	FALSE	9.51489423	8.26352	FALSE	1399.82	280	0.03228	0.0000406
5470004175940	547000	4175940	8.238636	8.238636	5.890446	5.890446	FALSE	8.09582898	8.238636	FALSE	1382.21	280	0.03228	0.0000406
5470204175940	547020	4175940	8.216684	8.216684	5.006912	5.006912	FALSE	6.88149985	8.216684	FALSE	1364.68	280	0.03228	0.0000406
5470404175940	547040	4175940	8.214383	8.214383	4.895715	4.895715	FALSE	6.7286707	8.214383	FALSE	1347.21	280	0.03228	0.0000406
5470604175940	547060	4175940	8.211953	8.211953	4.779881	4.779881	FALSE	6.56946845	8.211953	FALSE	1329.82	280	0.03228	0.0000406
5470804175940	547080	4175940	8.210048	8.210048	4.680374	4.680374	FALSE	6.43270603	8.210048	FALSE	1312.50	280	0.03228	0.0000406
5471004175940	547100	4175940	8.207429	8.207429	4.547303	4.547303	FALSE	6.24981324	8.207429	FALSE	1295.25	280	0.03228	0.0000406
5471204175940	547120	4175940	8.206298	8.206298	4.455835	4.455835	FALSE	6.12409962	8.206298	FALSE	1278.09	280	0.03228	0.0000406
5471404175940	547140	4175940	8.208844	8.208844	4.439847	4.439847	FALSE	6.10212572	8.208844	FALSE	1261.01	280	0.03228	0.0000406
5471604175940	547160	4175940	8.204328	8.204328	4.288229	4.288229	FALSE	5.89374194	8.204328	FALSE	1244.02	280	0.03228	0.0000406
5471804175940	547180	4175940	8.20238	8.20238	4.227771	4.227771	FALSE	5.81064846	8.20238	FALSE	1227.12	280	0.03228	0.0000406
5472004175940	547200	4175940	8.192931	8.192931	4.001665	4.001665	FALSE	5.49988838	8.192931	FALSE	1210.31	280	0.03228	0.0000406
5472204175940	547220	4175940	8.187058	8.187058	3.842419	3.842419	FALSE	5.28102067	8.187058	FALSE	1193.60	280	0.03228	0.0000406
5472404175940	547240	4175940	8.185472	8.185472	3.766614	3.766614	FALSE	5.17683428	8.185472	FALSE	1177.00	280	0.03228	0.0000406
5472604175940	547260	4175940	8.191516	8.191516	3.891154	3.891154	FALSE	5.34800206	8.191516	FALSE	1160.50	280	0.03228	0.0000406
5472804175940	547280	4175940	8.199637	8.199637	3.925567	3.925567	FALSE	5.39529928	8.199637	FALSE	1144.11	280	0.03228	0.0000406
5473004175940	547300	4175940	8.174232	8.174232	3.39196	3.39196	FALSE	4.66190982	8.174232	FALSE	1127.84	280	0.03228	0.0000406
5473204175940	547320	4175940	8.166452	8.166452	3.209058	3.209058	FALSE	4.41052932	8.166452	FALSE	1111.69	280	0.03228	0.0000406
5473404175940	547340	4175940	8.164069	8.164069	3.134788	3.134788	FALSE	4.30845263	8.164069	FALSE	1095.67	280	0.03228	0.0000406
5473604175940	547360	4175940	8.164274	8.164274	3.119542	3.119542	FALSE	4.28749852	8.164274	FALSE	1079.78	280	0.03228	0.0000406
5473804175940	547380	4175940	8.167683	8.167683	3.182892	3.182892	FALSE	4.37456676	8.167683	FALSE	1064.03	280	0.03228	0.0000406
5474004175940	547400	4175940	8.172195	8.172195	3.214527	3.214527	FALSE	4.41804591	8.172195	FALSE	1048.42	280	0.03228	0.0000406
5474204175940	547420	4175940	8.184707	8.184707	3.389952	3.389952	FALSE	4.65915003	8.184707	FALSE	1032.97	280	0.03228	0.0000406
5474404175940	547440	4175940	8.214214	8.214214	3.908911	3.908911	FALSE	5.37240728	8.214214	FALSE	1017.67	280	0.03228	0.0000406
5474604175940	547460	4175940	8.220585	8.220585	4.076374	4.076374	FALSE	5.60256843	8.220585	FALSE	1002.54	280	0.03228	0.0000406
5474804175940	547480	4175940	8.210336	8.210336	3.919526	3.919526	FALSE	5.38699653	8.210336	FALSE	987.58	280	0.03228	0.0000406
5475004175940	547500	4175940	8.211594	8.211594	3.95635	3.95635	FALSE	5.43760744	8.211594	FALSE	972.81	280	0.03228	0.0000406
5475204175940	547520	4175940	8.20601	8.20601	3.885211	3.885211	FALSE	5.339834	8.20601	FALSE	958.22	280	0.03228	0.0000406
5475404175940	547540	4175940	8.189145	8.189145	3.579976	3.579976	FALSE	4.92031901	8.189145	FALSE	943.83	280	0.03228	0.0000406
5475604175940	547560	4175940	8.183513	8.183513	3.497318	3.497318	FALSE	4.80671386	8.183513	FALSE	929.65	280	0.03228	0.0000406
5475804175940	547580	4175940	8.187279	8.187279	3.637341	3.637341	FALSE	4.99916147	8.187279	FALSE	915.69	280	0.03228	0.0000406
5476004175940	547600	4175940	8.205965	8.205965	4.122796	4.122796	FALSE	5.66637082	8.205965	FALSE	901.95	280	0.03228	0.0000406
5476204175940	547620	4175940	8.237405	8.237405	4.907656	4.907656	FALSE	6.74508241	8.237405	FALSE	888.45	280	0.03228	0.0000406
5476404175940	547640	4175940	8.210345	8.210345	4.330518	4.330518	FALSE	5.95186394	8.210345	FALSE	875.20	280	0.03228	0.0000406
5476604175940	547660	4175940	8.202003	8.202003	4.178123	4.178123	FALSE	5.74241225	8.202003	FALSE	862.22	280	0.03228	0.0000406
5476804175940	547680	4175940	8.199723	8.199723	4.176017	4.176017	FALSE	5.73951776	8.199723	FALSE	849.50	280	0.03228	0.0000406
5477004175940	547700	4175940	8.198832	8.198832	4.199716	4.199716	FALSE	5.77208967	8.198832	FALSE	837.07	280	0.03228	0.0000406
5477204175940	547720	4175940	8.197737	8.197737	4.201347	4.201347	FALSE	5.77433132	8.197737	FALSE	824.93	280	0.03228	0.0000406
5477404175940	547740	4175940	8.195158	8.195158	4.143761	4.143761	FALSE	5.69518512	8.195158	FALSE	813.11	280	0.03228	0.0000406
5477604175940	547760	4175940	8.192529	8.192529	4.073026	4.073026	FALSE	5.59796693	8.192529	FALSE	801.61	280	0.03228	0.0000406
5477804175940	547780	4175940	8.193159	8.193159	4.121487	4.121487	FALSE	5.66457173	8.193159	FALSE	790.45	280	0.03228	0.0000406
5478004175940	547800	4175940	8.195969	8.195969	4.229242	4.229242	FALSE	5.8126702	8.195969	FALSE	779.65	280	0.03228	0.0000406
5478204175940	547820	4175940	8.203049	8.203049	4.459959	4.459959	FALSE	6.12976765	8.203049	FALSE	769.21	280	0.03228	0.0000406
5478404175940	547840	4175940	8.213257	8.213257	4.763486	4.763486	FALSE	6.54693516	8.213257	FALSE	759.15	280	0.03228	0.0000406
5478604175940	547860	4175940	8.223241	8.223241	5.02612	5.02612	FALSE	6.90789933	8.223241	FALSE	749.50	280	0.03228	0.0000406
5478804175940	547880	4175940	8.248823	8.248823	5.646176	5.646176	FALSE	7.76010429	8.248823	FALSE	740.26	280	0.03228	0.0000406
5479004175940	547900	4175940	8.294934	8.294934	6.709633	6.709633	FALSE	9.2217196	8.294934	FALSE	731.45	280	0.03228	0.0000406
5479204175940	547920	4175940	8.269982	8.269982	6.444717	6.444717	FALSE	8.85761904	8.269982	FALSE	723.08	280	0.03228	0.0000406
5479404175940	547940	4175940	8.259394	8.259394	6.311608	6.311608	FALSE	8.67467404	8.259394	FALSE	715.18	280	0.03228	0.0000406
5479604175940	547960	4175940	8.266326	8.266326	6.498016	6.498016	FALSE	8.93087319	8.266326	FALSE	707.75	280	0.03228	0.0000406
5479804175940	547980	4175940	8.259004	8.259004	6.197707	6.197707	FALSE	8.5181285	8.259004	FALSE	700.82	280	0.03228	0.0000406
5480004175940	548000	4175940	8.24698	8.24698	5.944843	5.944843	FALSE	8.17059222	8.24698	FALSE	694.39	280	0.03228	0.0000406
5480204175940	548020	4175940	8.252254	8.252254	6.104753	6.104753	FALSE	8.39037252	8.252254	FALSE	688.49	280	0.03228	0.0000406
5480404175940	548040	4175940	8.251321	8.251321	6.164198	6.164198	FALSE	8.47207373	8.251321	FALSE	683.12	280	0.03228	0.0000406
5480604175940	548060	4175940	8.258379	8.258379	6.499106	6.499106	FALSE	8.93237129	8.258379	FALSE	678.29	280	0.03228	0.0000406
5480804175940	548080	4175940	8.249562	8.249562	6.57531	6.57531	FALSE	9.03710606	8.249562	FALSE	674.03	280	0.03228	0.0000406
5481004175940	548100	4175940	8.252351	8.252351	6.947773	6.947773	FALSE	9.54901921	8.252351	FALSE	670.33	280	0.03228	0.0000406
5481204175940	548120	4175940	8.260706	8.260706	7.571598	7.571598	FALSE	10.4064043	8.260706	FALSE	667.22	280	0.03228	0.0000406
5481404175940	548140	4175940	8.2591	8.2591	7.957695	7.957695	FALSE	10.937056	8.2591	FALSE	664.69	280	0.03228	0.0000406
5481604175940	548160	4175940	8.261434	8.261434	8.434177	8.434177	FALSE	11.5919329	8.261434	FALSE	662.76	280	0.03228	0.0000406
5481804175940	548180	4175940	8.25714	8.25714	8.870025	8.870025	FALSE	12.1909624	8.25714	FALSE	661.42	280	0.03228	0.0000406
5482004175940	548200	4175940	8.24245	8.24245	8.960552	8.960552	FALSE	12.3153827	8.24245	FALSE	660.69	280	0.03228	0.0000406
5482204175940	548220	4175940	8.244004	8.244004	9.414516	9.414516	FALSE	12.9393108	8.244004	FALSE	660.57	280	0.03228	0.0000406
5482404175940	548240	4175940	8.270653	8.270653	11.73671	11.73671	FALSE	16.1309383	8.270653	FALSE	661.05	280	0.03228	0.0000406
5482604175940	548260	4175940	8.285693	8.285693	12.98469	12.98469	FALSE	17.8461566	8.285693	FALSE	662.13	280	0.03228	0.0000406
5482804175940	548280	4175940	8.250387	8.250387	10.27161	10.27161	FALSE	14.1173049	8.250387	FALSE	663.81	280	0.03228	0.0000406
5483004175940	548300	4175940	8.252503	8.252503	10.29551	10.29551	FALSE	14.1501448	8.252503	FALSE	666.09	280	0.03228	0.0000406
5483204175940	548320	4175940	8.261736	8.261736	10.87001	10.87001	FALSE	14.9397459	8.261736	FALSE	668.97	280	0.03228	0.0000406
5483404175940	548340	4175940	8.276075	8.276075	11.89253	11.89253	FALSE	16.3450864	8.276075	FALSE	672.42	280	0.03228	0.0000406
5483604175940	548360	4175940	8.297889	8.297889	13.52152	13.52152	FALSE	18.5839743	8.297889	FALSE	676.45	280	0.03228	0.0000406
5483804175940	548380	4175940	8.289599	8.289599	12.85592	12.85592	FALSE	17.6691819	8.289599	FALSE	681.04	280	0.03228	0.0000406
5484004175940	548400	4175940	8.262442	8.262442	10.90742	10.90742	FALSE	14.991158	8.262442	FALSE	686.18	280	0.03228	0.0000406
5484204175940	548420	4175940	8.257297	8.257297	10.40504	10.40504	FALSE	14.3006925	8.257297	FALSE	691.87	280	0.03228	0.0000406
5484404175940	548440	4175940	8.251267	8.251267	9.953008	9.953008	FALSE	13.6794142	8.251267	FALSE	698.08	280	0.03228	0.0000406
5484604175940	548460	4175940	8.24527	8.24527	9.549702	9.549702	FALSE	13.1251104	8.24527	FALSE	704.80	280	0.03228	0.0000406
5484804175940	548480	4175940	8.239812	8.239812	9.213871	9.213871	FALSE	12.6635443	8.239812	FALSE	712.03	280	0.03228	0.0000406
5485004175940	548500	4175940	8.234886	8.234886	8.914221	8.914221	FALSE	12.2517053	8.234886	FALSE	719.73	280	0.03228	0.0000406
5485204175940	548520	4175940	8.229545	8.229545	8.63733	8.63733	FALSE	11.8711464	8.229545	FALSE	727.91	280	0.03228	0.0000406
5485404175940	548540	4175940	8.22408	8.22408	8.358461	8.358461	FALSE	11.4878688	8.22408	FALSE	736.53	280	0.03228	0.0000406
5485604175940	548560	4175940	8.223288	8.223288	8.282226	8.282226	FALSE	11.3830914	8.223288	FALSE	745.60	280	0.03228	0.0000406
5485804175940	548580	4175940	8.228011	8.228011	8.476987	8.476987	FALSE	11.6507709	8.228011	FALSE	755.08	280	0.03228	0.0000406
5486004175940	548600	4175940	8.233224	8.233224	8.687737	8.687737	FALSE	11.9404257	8.233224	FALSE	764.97	280	0.03228	0.0000406
5486204175940	548620	4175940	8.23914	8.23914	8.929773	8.929773	FALSE	12.27308	8.23914	FALSE	775.25	280	0.03228	0.0000406
5486404175940	548640	4175940	8.24763	8.24763	9.284189	9.284189	FALSE	12.7601894	8.24763	FALSE	785.91	280	0.03228	0.0000406
5486604175940	548660	4175940	8.252472	8.252472	9.455103	9.455103	FALSE	12.9950936	8.252472	FALSE	796.92	280	0.03228	0.0000406
5486804175940	548680	4175940	8.25977	8.25977	9.70627	9.70627	FALSE	13.3402975	8.25977	FALSE	808.28	280	0.03228	0.0000406
5487004175940	548700	4175940	8.271122	8.271122	10.08262	10.08262	FALSE	13.8575571	8.271122	FALSE	819.97	280	0.03228	0.0000406
5487204175940	548720	4175940	8.282169	8.282169	10.45201	10.45201	FALSE	14.3652467	8.282169	FALSE	831.97	280	0.03228	0.0000406
5487404175940	548740	4175940	8.290723	8.290723	10.70967	10.70967	FALSE	14.7193732	8.290723	FALSE	844.28	280	0.03228	0.0000406
5487604175940	548760	4175940	8.297487	8.297487	10.93617	10.93617	FALSE	15.0306734	8.297487	FALSE	856.88	280	0.03228	0.0000406
5487804175940	548780	4175940	8.327782	8.327782	11.97017	11.97017	FALSE	16.4517948	8.327782	FALSE	869.76	280	0.03228	0.0000406
5488004175940	548800	4175940	8.37182	8.37182	13.49616	13.49616	FALSE	18.5491168	8.37182	FALSE	882.90	280	0.03228	0.0000406
5488204175940	548820	4175940	8.428827	8.428827	15.42965	15.42965	FALSE	21.2065068	8.428827	FALSE	896.30	280	0.03228	0.0000406

5488404175940	548840	4175940	8.455643	8.455643	16.31851	16.31851	FALSE	22.4281643	8.455643	FALSE	909.93	280	0.03228	0.0000406
5488604175940	548860	4175940	8.475324	8.475324	16.95071	16.95071	FALSE	23.2970503	8.475324	FALSE	923.80	280	0.03228	0.0000406
5488804175940	548880	4175940	8.486599	8.486599	17.31812	17.31812	FALSE	23.8020228	8.486599	FALSE	937.90	280	0.03228	0.0000406
5489004175940	548900	4175940	8.505282	8.505282	17.87812	17.87812	TRUE	24.5716854	8.505282	TRUE	952.20	280	0.03228	0.0000406
5489204175940	548920	4175940	8.531743	8.531743	18.6966	18.6966	TRUE	25.6966125	8.531743	TRUE	966.70	280	0.03228	0.0000406
5489404175940	548940	4175940	8.566335	8.566335	19.7694	19.7694	TRUE	27.171062	8.566335	TRUE	981.40	280	0.03228	0.0000406
5489604175940	548960	4175940	8.587041	8.587041	20.3521	20.3521	FALSE	27.9719262	8.587041	FALSE	996.28	280	0.03228	0.0000406
5489804175940	548980	4175940	8.606701	8.606701	20.88944	20.88944	TRUE	28.7104422	8.606701	TRUE	1011.34	280	0.03228	0.0000406
5490004175940	549000	4175940	8.622508	8.622508	21.29178	21.29178	TRUE	29.2634156	8.622508	TRUE	1026.57	280	0.03228	0.0000406
5490204175940	549020	4175940	8.660528	8.660528	22.40532	22.40532	TRUE	30.7938649	8.660528	TRUE	1041.96	280	0.03228	0.0000406
5490404175940	549040	4175940	8.705114	8.705114	23.77711	23.77711	TRUE	32.6792586	8.705114	TRUE	1057.50	280	0.03228	0.0000406
5490604175940	549060	4175940	8.763196	8.763196	25.59141	25.59141	TRUE	35.172827	8.763196	TRUE	1073.19	280	0.03228	0.0000406
5490804175940	549080	4175940	8.781961	8.781961	26.12361	26.12361	TRUE	35.904291	8.781961	TRUE	1089.03	280	0.03228	0.0000406
5491004175940	549100	4175940	8.819981	8.819981	27.32019	27.32019	TRUE	37.5488733	8.819981	TRUE	1104.99	280	0.03228	0.0000406
5469804175960	546980	4175960	8.252167	8.252167	6.485012	6.485012	FALSE	8.91300049	8.252167	FALSE	1409.36	280	0.03228	0.0000406
5470004175960	547000	4175960	8.231105	8.231105	5.618412	5.618412	FALSE	7.72194545	8.231105	FALSE	1391.88	280	0.03228	0.0000406
5470204175960	547020	4175960	8.212747	8.212747	4.889218	4.889218	FALSE	6.71974122	8.212747	FALSE	1374.47	280	0.03228	0.0000406
5470404175960	547040	4175960	8.212341	8.212341	4.847664	4.847664	FALSE	6.6626294	8.212341	FALSE	1357.13	280	0.03228	0.0000406
5470604175960	547060	4175960	8.210827	8.210827	4.765505	4.765505	FALSE	6.54971007	8.210827	FALSE	1339.87	280	0.03228	0.0000406
5470804175960	547080	4175960	8.208998	8.208998	4.66987	4.66987	FALSE	6.41826933	8.208998	FALSE	1322.68	280	0.03228	0.0000406
5471004175960	547100	4175960	8.205072	8.205072	4.49576	4.49576	FALSE	6.17897254	8.205072	FALSE	1305.57	280	0.03228	0.0000406
5471204175960	547120	4175960	8.203037	8.203037	4.38475	4.38475	FALSE	6.0264004	8.203037	FALSE	1288.54	280	0.03228	0.0000406
5471404175960	547140	4175960	8.204202	8.204202	4.347759	4.347759	FALSE	5.97555997	8.204202	FALSE	1271.60	280	0.03228	0.0000406
5471604175960	547160	4175960	8.217349	8.217349	4.544363	4.544363	FALSE	6.24577251	8.217349	FALSE	1254.75	280	0.03228	0.0000406
5471804175960	547180	4175960	8.207571	8.207571	4.339869	4.339869	FALSE	5.96471595	8.207571	FALSE	1238.00	280	0.03228	0.0000406
5472004175960	547200	4175960	8.194161	8.194161	4.033101	4.033101	FALSE	5.54309401	8.194161	FALSE	1221.34	280	0.03228	0.0000406
5472204175960	547220	4175960	8.188207	8.188207	3.876803	3.876803	FALSE	5.32827804	8.188207	FALSE	1204.78	280	0.03228	0.0000406
5472404175960	547240	4175960	8.186983	8.186983	3.816874	3.816874	FALSE	5.24591163	8.186983	FALSE	1188.33	280	0.03228	0.0000406
5472604175960	547260	4175960	8.192342	8.192342	3.943087	3.943087	FALSE	5.41937877	8.192342	FALSE	1171.99	280	0.03228	0.0000406
5472804175960	547280	4175960	8.185146	8.185146	3.692678	3.692678	FALSE	5.07521664	8.185146	FALSE	1155.77	280	0.03228	0.0000406
5473004175960	547300	4175960	8.177655	8.177655	3.503148	3.503148	FALSE	4.81472661	8.177655	FALSE	1139.67	280	0.03228	0.0000406
5473204175960	547320	4175960	8.171641	8.171641	3.373685	3.373685	FALSE	4.63679266	8.171641	FALSE	1123.69	280	0.03228	0.0000406
5473404175960	547340	4175960	8.172125	8.172125	3.385599	3.385599	FALSE	4.65316727	8.172125	FALSE	1107.84	280	0.03228	0.0000406
5473604175960	547360	4175960	8.175111	8.175111	3.456276	3.456276	FALSE	4.75030573	8.175111	FALSE	1092.13	280	0.03228	0.0000406
5473804175960	547380	4175960	8.181282	8.181282	3.603185	3.603185	FALSE	4.95221746	8.181282	FALSE	1076.56	280	0.03228	0.0000406
5474004175960	547400	4175960	8.189186	8.189186	3.726064	3.726064	FALSE	5.12110236	8.189186	FALSE	1061.13	280	0.03228	0.0000406
5474204175960	547420	4175960	8.209249	8.209249	4.061736	4.061736	FALSE	5.58244996	8.209249	FALSE	1045.87	280	0.03228	0.0000406
5474404175960	547440	4175960	8.237611	8.237611	4.552344	4.552344	FALSE	6.25674159	8.237611	FALSE	1030.76	280	0.03228	0.0000406
5474604175960	547460	4175960	8.224321	8.224321	4.355395	4.355395	FALSE	5.98605489	8.224321	FALSE	1015.83	280	0.03228	0.0000406
5474804175960	547480	4175960	8.205051	8.205051	4.01886	4.01886	FALSE	5.52352118	8.205051	FALSE	1001.07	280	0.03228	0.0000406
5475004175960	547500	4175960	8.196436	8.196436	3.843502	3.843502	FALSE	5.28250915	8.196436	FALSE	986.49	280	0.03228	0.0000406
5475204175960	547520	4175960	8.191514	8.191514	3.737232	3.737232	FALSE	5.13645166	8.191514	FALSE	972.11	280	0.03228	0.0000406
5475404175960	547540	4175960	8.184988	8.184988	3.579265	3.579265	FALSE	4.91934182	8.184988	FALSE	957.93	280	0.03228	0.0000406
5475604175960	547560	4175960	8.181207	8.181207	3.500704	3.500704	FALSE	4.81136758	8.181207	FALSE	943.97	280	0.03228	0.0000406
5475804175960	547580	4175960	8.182948	8.182948	3.57542	3.57542	FALSE	4.91405725	8.182948	FALSE	930.22	280	0.03228	0.0000406
5476004175960	547600	4175960	8.191573	8.191573	3.813162	3.813162	FALSE	5.24080985	8.191573	FALSE	916.70	280	0.03228	0.0000406
5476204175960	547620	4175960	8.220542	8.220542	4.533253	4.533253	FALSE	6.23050292	8.220542	FALSE	903.42	280	0.03228	0.0000406
5476404175960	547640	4175960	8.233999	8.233999	4.872533	4.872533	FALSE	6.69680936	8.233999	FALSE	890.40	280	0.03228	0.0000406
5476604175960	547660	4175960	8.212126	8.212126	4.397255	4.397255	FALSE	6.04358727	8.212126	FALSE	877.63	280	0.03228	0.0000406
5476804175960	547680	4175960	8.204643	8.204643	4.256583	4.256583	FALSE	5.85024768	8.204643	FALSE	865.14	280	0.03228	0.0000406
5477004175960	547700	4175960	8.201292	8.201292	4.214348	4.214348	FALSE	5.79219989	8.201292	FALSE	852.94	280	0.03228	0.0000406
5477204175960	547720	4175960	8.199808	8.199808	4.211274	4.211274	FALSE	5.78797499	8.199808	FALSE	841.03	280	0.03228	0.0000406
5477404175960	547740	4175960	8.198558	8.198558	4.205911	4.205911	FALSE	5.78060408	8.198558	FALSE	829.44	280	0.03228	0.0000406
5477604175960	547760	4175960	8.195665	8.195665	4.126784	4.126784	FALSE	5.67185193	8.195665	FALSE	818.17	280	0.03228	0.0000406
5477804175960	547780	4175960	8.196923	8.196923	4.198209	4.198209	FALSE	5.77001845	8.196923	FALSE	807.24	280	0.03228	0.0000406
5478004175960	547800	4175960	8.201812	8.201812	4.377676	4.377676	FALSE	6.01667789	8.201812	FALSE	796.66	280	0.03228	0.0000406
5478204175960	547820	4175960	8.207608	8.207608	4.559703	4.559703	FALSE	6.2668558	8.207608	FALSE	786.45	280	0.03228	0.0000406
5478404175960	547840	4175960	8.218061	8.218061	4.862887	4.862887	FALSE	6.68355189	8.218061	FALSE	776.62	280	0.03228	0.0000406
5478604175960	547860	4175960	8.231455	8.231455	5.213872	5.213872	FALSE	7.16594568	8.231455	FALSE	767.18	280	0.03228	0.0000406
5478804175960	547880	4175960	8.260976	8.260976	5.886225	5.886225	FALSE	8.09002764	8.260976	FALSE	758.16	280	0.03228	0.0000406
5479004175960	547900	4175960	8.310156	8.310156	6.966379	6.966379	FALSE	9.5745913	8.310156	FALSE	749.56	280	0.03228	0.0000406
5479204175960	547920	4175960	8.265505	8.265505	6.227676	6.227676	FALSE	8.55931789	8.265505	FALSE	741.40	280	0.03228	0.0000406
5479404175960	547940	4175960	8.256561	8.256561	6.109969	6.109969	FALSE	8.39754139	8.256561	FALSE	733.69	280	0.03228	0.0000406
5479604175960	547960	4175960	8.268862	8.268862	6.418753	6.418753	FALSE	8.82193412	8.268862	FALSE	726.46	280	0.03228	0.0000406
5479804175960	547980	4175960	8.255626	8.255626	6.013988	6.013988	FALSE	8.26562511	8.255626	FALSE	719.70	280	0.03228	0.0000406
5480004175960	548000	4175960	8.245413	8.245413	5.792996	5.792996	FALSE	7.9618937	8.245413	FALSE	713.45	280	0.03228	0.0000406
5480204175960	548020	4175960	8.251544	8.251544	5.934399	5.934399	FALSE	8.15623799	8.251544	FALSE	707.70	280	0.03228	0.0000406
5480404175960	548040	4175960	8.268575	8.268575	6.286583	6.286583	FALSE	8.64027968	8.268575	FALSE	702.47	280	0.03228	0.0000406
5480604175960	548060	4175960	8.248465	8.248465	6.045891	6.045891	FALSE	8.30947259	8.248465	FALSE	697.78	280	0.03228	0.0000406
5480804175960	548080	4175960	8.241356	8.241356	6.119606	6.119606	FALSE	8.41078649	8.241356	FALSE	693.64	280	0.03228	0.0000406
5481004175960	548100	4175960	8.246381	8.246381	6.511511	6.511511	FALSE	8.94942072	8.246381	FALSE	690.05	280	0.03228	0.0000406
5481204175960	548120	4175960	8.253431	8.253431	7.102451	7.102451	FALSE	9.76160865	8.253431	FALSE	687.03	280	0.03228	0.0000406
5481404175960	548140	4175960	8.256619	8.256619	7.725944	7.725944	FALSE	10.6185374	8.256619	FALSE	684.57	280	0.03228	0.0000406
5481604175960	548160	4175960	8.263227	8.263227	8.563761	8.563761	FALSE	11.7700331	8.263227	FALSE	682.69	280	0.03228	0.0000406
5481804175960	548180	4175960	8.262151	8.262151	9.301168	9.301168	FALSE	12.7835253	8.262151	FALSE	681.40	280	0.03228	0.0000406
5482004175960	548200	4175960	8.249496	8.249496	9.56321	9.56321	FALSE	13.1436758	8.249496	FALSE	680.69	280	0.03228	0.0000406
5482204175960	548220	4175960	8.251713	8.251713	10.04715	10.04715	FALSE	13.808803	8.251713	FALSE	680.57	280	0.03228	0.0000406
5482404175960	548240	4175960	8.27345	8.27345	11.98612	11.98612	FALSE	16.4737275	8.27345	FALSE	681.03	280	0.03228	0.0000406
5482604175960	548260	4175960	8.284644	8.284644	12.96711	12.96711	FALSE	17.8219987	8.284644	FALSE	682.08	280	0.03228	0.0000406
5482804175960	548280	4175960	8.247829	8.247829	10.13463	10.13463	FALSE	13.9290313	8.247829	FALSE	683.72	280	0.03228	0.0000406
5483004175960	548300	4175960	8.246527	8.246527	9.933541	9.933541	FALSE	13.6526588	8.246527	FALSE	685.93	280	0.03228	0.0000406
5483204175960	548320	4175960	8.253152	8.253152	10.32871	10.32871	FALSE	14.1957804	8.253152	FALSE	688.72	280	0.03228	0.0000406
5483404175960	548340	4175960	8.26591	8.26591	11.24205	11.24205	FALSE	15.451079	8.26591	FALSE	692.08	280	0.03228	0.0000406
5483604175960	548360	4175960	8.291914	8.291914	13.13327	13.13327	FALSE	18.0503704	8.291914	FALSE	695.99	280	0.03228	0.0000406
5483804175960	548380	4175960	8.285356	8.285356	12.53144	12.53144	FALSE	17.2232153	8.285356	FALSE	700.45	280	0.03228	0.0000406
5484004175960	548400	4175960	8.25947	8.25947	10.60888	10.60888	FALSE	14.5808502	8.25947	FALSE	705.46	280	0.03228	0.0000406
5484204175960	548420	4175960	8.254021	8.254021	10.0764	10.0764	FALSE	13.8490069	8.254021	FALSE	710.99	280	0.03228	0.0000406
5484404175960	548440	4175960	8.24834	8.24834	9.646877	9.646877	FALSE	13.2586677	8.24834	FALSE	717.03	280	0.03228	0.0000406
5484604175960	548460	4175960	8.242824	8.242824	9.277948	9.277948	FALSE	12.7516117	8.242824	FALSE	723.58	280	0.03228	0.0000406
5484804175960	548480	4175960	8.236128	8.236128	8.896624	8.896624	FALSE	12.22752	8.236128	FALSE	730.62	280	0.03228	0.0000406
5485004175960	548500	4175960	8.231314	8.231314	8.629218	8.629218	FALSE	11.8599972	8.231314	FALSE	738.13	280	0.03228	0.0000406
5485204175960	548520	4175960	8.226203	8.226203	8.378833	8.378833	FALSE	11.5158681	8.226203	FALSE	746.10	280	0.03228	0.0000406
5485404175960	548540	4175960	8.224526	8.224526	8.301592	8.301592	FALSE	11.409708	8.224526	FALSE	754.52	280	0.03228	0.0000406
5485604175960	548560	4175960	8.226784	8.226784	8.396887	8.396887	FALSE	11.5406815	8.226784	FALSE	763.37	280	0.03228	0.0000406

5485804175960	548580	4175960	8.235147	8.235147	8.831506	8.831506	FALSE	12.1380218	8.235147	FALSE	772.64	280	0.03228	0.0000406
5486004175960	548600	4175960	8.241137	8.241137	9.112923	9.112923	FALSE	12.5248014	8.241137	FALSE	782.31	280	0.03228	0.0000406
5486204175960	548620	4175960	8.249024	8.249024	9.528468	9.528468	FALSE	13.0959264	8.249024	FALSE	792.36	280	0.03228	0.0000406
5486404175960	548640	4175960	8.259376	8.259376	10.03392	10.03392	FALSE	13.7906155	8.259376	FALSE	802.79	280	0.03228	0.0000406
5486604175960	548660	4175960	8.263156	8.263156	10.17412	10.17412	FALSE	13.9833078	8.263156	FALSE	813.57	280	0.03228	0.0000406
5486804175960	548680	4175960	8.268854	8.268854	10.36844	10.36844	FALSE	14.2503881	8.268854	FALSE	824.70	280	0.03228	0.0000406
5487004175960	548700	4175960	8.277828	8.277828	10.64244	10.64244	FALSE	14.6269695	8.277828	FALSE	836.16	280	0.03228	0.0000406
5487204175960	548720	4175960	8.292692	8.292692	11.14093	11.14093	FALSE	15.3120956	8.292692	FALSE	847.94	280	0.03228	0.0000406
5487404175960	548740	4175960	8.305678	8.305678	11.55064	11.55064	FALSE	15.8751955	8.305678	FALSE	860.02	280	0.03228	0.0000406
5487604175960	548760	4175960	8.315626	8.315626	11.85392	11.85392	FALSE	16.2920222	8.315626	FALSE	872.39	280	0.03228	0.0000406
5487804175960	548780	4175960	8.343838	8.343838	12.78639	12.78639	FALSE	17.5736185	8.343838	FALSE	885.04	280	0.03228	0.0000406
5488004175960	548800	4175960	8.379703	8.379703	14.01073	14.01073	FALSE	19.2563404	8.379703	FALSE	897.96	280	0.03228	0.0000406
5488204175960	548820	4175960	8.422759	8.422759	15.47988	15.47988	FALSE	21.2755471	8.422759	FALSE	911.14	280	0.03228	0.0000406
5488404175960	548840	4175960	8.447112	8.447112	16.2937	16.2937	FALSE	22.3940599	8.447112	FALSE	924.56	280	0.03228	0.0000406
5488604175960	548860	4175960	8.464665	8.464665	16.86488	16.86488	FALSE	23.1790924	8.464665	FALSE	938.21	280	0.03228	0.0000406
5488804175960	548880	4175960	8.474054	8.474054	17.1624	17.1624	FALSE	23.5879998	8.474054	FALSE	952.09	280	0.03228	0.0000406
5489004175960	548900	4175960	8.490148	8.490148	17.6382	17.6382	FALSE	24.2419421	8.490148	FALSE	966.18	280	0.03228	0.0000406
5489204175960	548920	4175960	8.513414	8.513414	18.3576	18.3576	FALSE	25.2306827	8.513414	FALSE	980.48	280	0.03228	0.0000406
5489404175960	548940	4175960	8.544244	8.544244	19.32126	19.32126	FALSE	26.5551397	8.544244	FALSE	994.97	280	0.03228	0.0000406
5489604175960	548960	4175960	8.556613	8.556613	19.64377	19.64377	FALSE	26.9983906	8.556613	FALSE	1009.65	280	0.03228	0.0000406
5489804175960	548980	4175960	8.572643	8.572643	20.1035	20.1035	TRUE	27.6302531	8.572643	TRUE	1024.52	280	0.03228	0.0000406
5490004175960	549000	4175960	8.591844	8.591844	20.65476	20.65476	TRUE	28.3879076	8.591844	TRUE	1039.55	280	0.03228	0.0000406
5490204175960	549020	4175960	8.625071	8.625071	21.68845	21.68845	TRUE	29.8086084	8.625071	TRUE	1054.75	280	0.03228	0.0000406
5490404175960	549040	4175960	8.659827	8.659827	22.79827	22.79827	TRUE	31.3339368	8.659827	TRUE	1070.11	280	0.03228	0.0000406
5490604175960	549060	4175960	8.698217	8.698217	24.0278	24.0278	TRUE	33.0238083	8.698217	TRUE	1085.62	280	0.03228	0.0000406
5490804175960	549080	4175960	8.721209	8.721209	24.69228	24.69228	TRUE	33.9370696	8.721209	TRUE	1101.27	280	0.03228	0.0000406
5491004175960	549100	4175960	8.755466	8.755466	25.76989	25.76989	TRUE	35.4181396	8.755466	TRUE	1117.07	280	0.03228	0.0000406
5469804175980	546980	4175980	8.243781	8.243781	6.180612	6.180612	FALSE	8.49463313	8.243781	FALSE	1419.13	280	0.03228	0.0000406
5470004175980	547000	4175980	8.226079	8.226079	5.458395	5.458395	FALSE	7.50201809	8.226079	FALSE	1401.77	280	0.03228	0.0000406
5470204175980	547020	4175980	8.209777	8.209777	4.813983	4.813983	FALSE	6.61633824	8.209777	FALSE	1384.48	280	0.03228	0.0000406
5470404175980	547040	4175980	8.210388	8.210388	4.809285	4.809285	FALSE	6.6098813	8.210388	FALSE	1367.27	280	0.03228	0.0000406
5470604175980	547060	4175980	8.209099	8.209099	4.734914	4.734914	FALSE	6.5076658	8.209099	FALSE	1350.13	280	0.03228	0.0000406
5470804175980	547080	4175980	8.206768	8.206768	4.622186	4.622186	FALSE	6.35273244	8.206768	FALSE	1333.08	280	0.03228	0.0000406
5471004175980	547100	4175980	8.201784	8.201784	4.416877	4.416877	FALSE	6.07055575	8.201784	FALSE	1316.10	280	0.03228	0.0000406
5471204175980	547120	4175980	8.199484	8.199484	4.304812	4.304812	FALSE	5.91653361	8.199484	FALSE	1299.22	280	0.03228	0.0000406
5471404175980	547140	4175980	8.200306	8.200306	4.273703	4.273703	FALSE	5.8737774	8.200306	FALSE	1282.42	280	0.03228	0.0000406
5471604175980	547160	4175980	8.208533	8.208533	4.382972	4.382972	FALSE	6.02395672	8.208533	FALSE	1265.71	280	0.03228	0.0000406
5471804175980	547180	4175980	8.216531	8.216531	4.518109	4.518109	FALSE	6.20968901	8.216531	FALSE	1249.10	280	0.03228	0.0000406
5472004175980	547200	4175980	8.196889	8.196889	4.105889	4.105889	FALSE	5.64313384	8.196889	FALSE	1232.60	280	0.03228	0.0000406
5472204175980	547220	4175980	8.192033	8.192033	3.980509	3.980509	FALSE	5.47081157	8.192033	FALSE	1216.19	280	0.03228	0.0000406
5472404175980	547240	4175980	8.192095	8.192095	3.953637	3.953637	FALSE	5.43387869	8.192095	FALSE	1199.90	280	0.03228	0.0000406
5472604175980	547260	4175980	8.198305	8.198305	4.104686	4.104686	FALSE	5.64148044	8.198305	FALSE	1183.72	280	0.03228	0.0000406
5472804175980	547280	4175980	8.191645	8.191645	3.876909	3.876909	FALSE	5.32842373	8.191645	FALSE	1167.66	280	0.03228	0.0000406
5473004175980	547300	4175980	8.185409	8.185409	3.73218	3.73218	FALSE	5.12950819	8.185409	FALSE	1151.72	280	0.03228	0.0000406
5473204175980	547320	4175980	8.181522	8.181522	3.677378	3.677378	FALSE	5.05418832	8.181522	FALSE	1135.91	280	0.03228	0.0000406
5473404175980	547340	4175980	8.186271	8.186271	3.825211	3.825211	FALSE	5.25737	8.186271	FALSE	1120.24	280	0.03228	0.0000406
5473604175980	547360	4175980	8.19552	8.19552	4.089865	4.089865	FALSE	5.62111046	8.19552	FALSE	1104.70	280	0.03228	0.0000406
5473804175980	547380	4175980	8.209564	8.209564	4.483849	4.483849	FALSE	6.16260207	8.209564	FALSE	1089.31	280	0.03228	0.0000406
5474004175980	547400	4175980	8.226964	8.226964	4.899782	4.899782	FALSE	6.73426038	8.226964	FALSE	1074.07	280	0.03228	0.0000406
5474204175980	547420	4175980	8.262758	8.262758	5.642113	5.642113	FALSE	7.75452011	8.262758	FALSE	1058.99	280	0.03228	0.0000406
5474404175980	547440	4175980	8.280724	8.280724	5.939216	5.939216	FALSE	8.16285847	8.280724	FALSE	1044.08	280	0.03228	0.0000406
5474604175980	547460	4175980	8.255707	8.255707	5.499489	5.499489	FALSE	7.55849768	8.255707	FALSE	1029.33	280	0.03228	0.0000406
5474804175980	547480	4175980	8.230402	8.230402	4.935873	4.935873	FALSE	6.78386385	8.230402	FALSE	1014.77	280	0.03228	0.0000406
5475004175980	547500	4175980	8.211994	8.211994	4.454684	4.454684	FALSE	6.12251769	8.211994	FALSE	1000.40	280	0.03228	0.0000406
5475204175980	547520	4175980	8.19947	8.19947	4.104076	4.104076	FALSE	5.64064205	8.19947	FALSE	986.22	280	0.03228	0.0000406
5475404175980	547540	4175980	8.189333	8.189333	3.803347	3.803347	FALSE	5.22732012	8.189333	FALSE	972.24	280	0.03228	0.0000406
5475604175980	547560	4175980	8.183423	8.183423	3.629241	3.629241	FALSE	4.98802883	8.183423	FALSE	958.48	280	0.03228	0.0000406
5475804175980	547580	4175980	8.182851	8.182851	3.630517	3.630517	FALSE	4.98978256	8.182851	FALSE	944.95	280	0.03228	0.0000406
5476004175980	547600	4175980	8.186494	8.186494	3.732949	3.732949	FALSE	5.13056511	8.186494	FALSE	931.64	280	0.03228	0.0000406
5476204175980	547620	4175980	8.199271	8.199271	4.068992	4.068992	FALSE	5.5924226	8.199271	FALSE	918.58	280	0.03228	0.0000406
5476404175980	547640	4175980	8.220855	8.220855	4.592654	4.592654	FALSE	6.31214366	8.220855	FALSE	905.77	280	0.03228	0.0000406
5476604175980	547660	4175980	8.221224	8.221224	4.621111	4.621111	FALSE	6.35125496	8.221224	FALSE	893.23	280	0.03228	0.0000406
5476804175980	547680	4175980	8.22252	8.22252	4.67309	4.67309	FALSE	6.4226949	8.22252	FALSE	880.96	280	0.03228	0.0000406
5477004175980	547700	4175980	8.213685	8.213685	4.496625	4.496625	FALSE	6.1801614	8.213685	FALSE	868.98	280	0.03228	0.0000406
5477204175980	547720	4175980	8.209093	8.209093	4.41549	4.41549	FALSE	6.06864946	8.209093	FALSE	857.30	280	0.03228	0.0000406
5477404175980	547740	4175980	8.205399	8.205399	4.348179	4.348179	FALSE	5.97613722	8.205399	FALSE	845.93	280	0.03228	0.0000406
5477604175980	547760	4175980	8.201801	8.201801	4.261706	4.261706	FALSE	5.85728873	8.201801	FALSE	834.88	280	0.03228	0.0000406
5477804175980	547780	4175980	8.20254	8.20254	4.323493	4.323493	FALSE	5.94220878	8.20254	FALSE	824.17	280	0.03228	0.0000406
5478004175980	547800	4175980	8.207174	8.207174	4.496834	4.496834	FALSE	6.18044865	8.207174	FALSE	813.81	280	0.03228	0.0000406
5478204175980	547820	4175980	8.212181	8.212181	4.647653	4.647653	FALSE	6.38773428	8.212181	FALSE	803.82	280	0.03228	0.0000406
5478404175980	547840	4175980	8.222387	8.222387	4.932775	4.932775	FALSE	6.77960596	8.222387	FALSE	794.20	280	0.03228	0.0000406
5478604175980	547860	4175980	8.236802	8.236802	5.29281	5.29281	FALSE	7.27443806	8.236802	FALSE	784.98	280	0.03228	0.0000406
5478804175980	547880	4175980	8.271121	8.271121	6.020252	6.020252	FALSE	8.27423435	8.271121	FALSE	776.16	280	0.03228	0.0000406
5479004175980	547900	4175980	8.28125	8.28125	6.301253	6.301253	FALSE	8.66044212	8.28125	FALSE	767.76	280	0.03228	0.0000406
5479204175980	547920	4175980	8.259345	8.259345	5.964642	5.964642	FALSE	8.19780396	8.259345	FALSE	759.80	280	0.03228	0.0000406
5479404175980	547940	4175980	8.261352	8.261352	6.099871	6.099871	FALSE	8.3836627	8.261352	FALSE	752.28	280	0.03228	0.0000406
5479604175980	547960	4175980	8.268363	8.268363	6.292239	6.292239	FALSE	8.64805328	8.268363	FALSE	745.22	280	0.03228	0.0000406
5479804175980	547980	4175980	8.254634	8.254634	5.907554	5.907554	FALSE	8.11934222	8.254634	FALSE	738.64	280	0.03228	0.0000406
5480004175980	548000	4175980	8.247576	8.247576	5.761384	5.761384	FALSE	7.91844617	8.247576	FALSE	732.55	280	0.03228	0.0000406
5480204175980	548020	4175980	8.256039	8.256039	5.937122	5.937122	FALSE	8.15998048	8.256039	FALSE	726.95	280	0.03228	0.0000406
5480404175980	548040	4175980	8.274924	8.274924	6.294881	6.294881	FALSE	8.65168445	8.274924	FALSE	721.87	280	0.03228	0.0000406
5480604175980	548060	4175980	8.242599	8.242599	5.762575	5.762575	FALSE	7.92008308	8.242599	FALSE	717.30	280	0.03228	0.0000406
5480804175980	548080	4175980	8.236927	8.236927	5.818702	5.818702	FALSE	7.99722403	8.236927	FALSE	713.27	280	0.03228	0.0000406
5481004175980	548100	4175980	8.244484	8.244484	6.236037	6.236037	FALSE	8.57080925	8.244484	FALSE	709.78	280	0.03228	0.0000406
5481204175980	548120	4175980	8.246951	8.246951	6.635989	6.635989	FALSE	9.12050328	8.246951	FALSE	706.84	280	0.03228	0.0000406
5481404175980	548140	4175980	8.255184	8.255184	7.377798	7.377798	FALSE	10.1400456	8.255184	FALSE	704.46	280	0.03228	0.0000406
5481604175980	548160	4175980	8.282665	8.282665	9.538092	9.538092	FALSE	13.1091536	8.282665	FALSE	702.63	280	0.03228	0.0000406
5481804175980	548180	4175980	8.340478	8.340478	15.30301	15.30301	FALSE	21.0324501	8.340478	FALSE	701.37	280	0.03228	0.0000406
5482004175980	548200	4175980	8.316167	8.316167	15.0434	15.0434	FALSE	20.6756531	8.316167	FALSE	700.68	280	0.03228	0.0000406
5482204175980	548220	4175980	8.317624	8.317624	15.60173	15.60173	FALSE	21.443015	8.317624	FALSE	700.57	280	0.03228	0.0000406
5482404175980	548240	4175980	8.274957	8.274957	12.07303	12.07303	FALSE	16.5931724	8.274957	FALSE	701.02	280	0.03228	0.0000406
5482604175980	548260	4175980	8.285703	8.285703	13.10576	13.10576	FALSE	18.0125565	8.285703	FALSE	702.04	280	0.03228	0.0000406
5482804175980	548280	4175980	8.255085	8.255085	10.93632	10.93632	FALSE	15.0308727	8.255085	FALSE	703.63	280	0.03228	0.0000406
5483004175980	548300	4175980	8.253361	8.253361	10.7644	10.7644	FALSE	14.7945872	8.253361	FALSE	705.78	280	0.03228	0.0000406

5483204175980	548320	4175980	8.258136	8.258136	11.0484	11.0484	FALSE	15.1849251	8.258136	FALSE	708.49	280	0.03228	0.0000406
5483404175980	548340	4175980	8.266542	8.266542	11.60142	11.60142	FALSE	15.944993	8.266542	FALSE	711.75	280	0.03228	0.0000406
5483604175980	548360	4175980	8.292968	8.292968	13.43896	13.43896	FALSE	18.4705121	8.292968	FALSE	715.56	280	0.03228	0.0000406
5483804175980	548380	4175980	8.278685	8.278685	12.06819	12.06819	FALSE	16.5865231	8.278685	FALSE	719.90	280	0.03228	0.0000406
5484004175980	548400	4175980	8.254282	8.254282	10.16824	10.16824	FALSE	13.9752236	8.254282	FALSE	724.77	280	0.03228	0.0000406
5484204175980	548420	4175980	8.250656	8.250656	9.74299	9.74299	FALSE	13.3907655	8.250656	FALSE	730.15	280	0.03228	0.0000406
5484404175980	548440	4175980	8.245986	8.245986	9.37938	9.37938	FALSE	12.8910199	8.245986	FALSE	736.04	280	0.03228	0.0000406
5484604175980	548460	4175980	8.241057	8.241057	9.053152	9.053152	FALSE	12.4426521	8.241057	FALSE	742.42	280	0.03228	0.0000406
5484804175980	548480	4175980	8.234799	8.234799	8.704826	8.704826	FALSE	11.9639129	8.234799	FALSE	749.28	280	0.03228	0.0000406
5485004175980	548500	4175980	8.230219	8.230219	8.456002	8.456002	FALSE	11.6219291	8.230219	FALSE	756.61	280	0.03228	0.0000406
5485204175980	548520	4175980	8.22532	8.22532	8.224278	8.224278	FALSE	11.3034477	8.22532	FALSE	764.39	280	0.03228	0.0000406
5485404175980	548540	4175980	8.226477	8.226477	8.308196	8.308196	FALSE	11.4187846	8.226477	FALSE	772.61	280	0.03228	0.0000406
5485604175980	548560	4175980	8.237089	8.237089	9.052421	9.052421	FALSE	12.4416474	8.237089	FALSE	781.25	280	0.03228	0.0000406
5485804175980	548580	4175980	8.254254	8.254254	10.16729	10.16729	FALSE	13.9739275	8.254254	FALSE	790.31	280	0.03228	0.0000406
5486004175980	548600	4175980	8.262834	8.262834	10.69959	10.69959	FALSE	14.7055124	8.262834	FALSE	799.77	280	0.03228	0.0000406
5486204175980	548620	4175980	8.278052	8.278052	11.77222	11.77222	FALSE	16.179735	8.278052	FALSE	809.60	280	0.03228	0.0000406
5486404175980	548640	4175980	8.287789	8.287789	12.3186	12.3186	FALSE	16.9306866	8.287789	FALSE	819.81	280	0.03228	0.0000406
5486604175980	548660	4175980	8.289197	8.289197	12.33796	12.33796	FALSE	16.9572881	8.289197	FALSE	830.38	280	0.03228	0.0000406
5486804175980	548680	4175980	8.293016	8.293016	12.43911	12.43911	FALSE	17.0963155	8.293016	FALSE	841.28	280	0.03228	0.0000406
5487004175980	548700	4175980	8.299584	8.299584	12.56894	12.56894	FALSE	17.2747525	8.299584	FALSE	852.52	280	0.03228	0.0000406
5487204175980	548720	4175980	8.314415	8.314415	13.06689	13.06689	FALSE	17.9591336	8.314415	FALSE	864.07	280	0.03228	0.0000406
5487404175980	548740	4175980	8.328775	8.328775	13.50821	13.50821	FALSE	18.5656879	8.328775	FALSE	875.93	280	0.03228	0.0000406
5487604175980	548760	4175980	8.342341	8.342341	13.88064	13.88064	FALSE	19.0775489	8.342341	FALSE	888.08	280	0.03228	0.0000406
5487804175980	548780	4175980	8.365159	8.365159	14.55856	14.55856	FALSE	20.0092904	8.365159	FALSE	900.51	280	0.03228	0.0000406
5488004175980	548800	4175980	8.395304	8.395304	15.56819	15.56819	FALSE	21.396919	8.395304	FALSE	913.21	280	0.03228	0.0000406
5488204175980	548820	4175980	8.433084	8.433084	16.8723	16.8723	FALSE	23.1892919	8.433084	FALSE	926.17	280	0.03228	0.0000406
5488404175980	548840	4175980	8.453658	8.453658	17.59492	17.59492	FALSE	24.1824553	8.453658	FALSE	939.37	280	0.03228	0.0000406
5488604175980	548860	4175980	8.467863	8.467863	18.06632	18.06632	FALSE	24.8303488	8.467863	FALSE	952.82	280	0.03228	0.0000406
5488804175980	548880	4175980	8.475025	8.475025	18.2607	18.2607	FALSE	25.0975047	8.475025	FALSE	966.48	280	0.03228	0.0000406
5489004175980	548900	4175980	8.488848	8.488848	18.65457	18.65457	FALSE	25.6388341	8.488848	FALSE	980.37	280	0.03228	0.0000406
5489204175980	548920	4175980	8.509902	8.509902	19.28876	19.28876	FALSE	26.5104731	8.509902	FALSE	994.46	280	0.03228	0.0000406
5489404175980	548940	4175980	8.537625	8.537625	20.14949	20.14949	FALSE	27.6934563	8.537625	FALSE	1008.76	280	0.03228	0.0000406
5489604175980	548960	4175980	8.549745	8.549745	20.44471	20.44471	FALSE	28.0992039	8.549745	FALSE	1023.24	280	0.03228	0.0000406
5489804175980	548980	4175980	8.567042	8.567042	20.93839	20.93839	TRUE	28.7777177	8.567042	TRUE	1037.91	280	0.03228	0.0000406
5490004175980	549000	4175980	8.589754	8.589754	21.62367	21.62367	TRUE	29.7195762	8.589754	TRUE	1052.75	280	0.03228	0.0000406
5490204175980	549020	4175980	8.619878	8.619878	22.63708	22.63708	TRUE	31.1123986	8.619878	TRUE	1067.77	280	0.03228	0.0000406
5490404175980	549040	4175980	8.646609	8.646609	23.52093	23.52093	TRUE	32.3271676	8.646609	TRUE	1082.94	280	0.03228	0.0000406
5490604175980	549060	4175980	8.667972	8.667972	24.21432	24.21432	TRUE	33.2801628	8.667972	TRUE	1098.27	280	0.03228	0.0000406
5490804175980	549080	4175980	8.686228	8.686228	24.74389	24.74389	TRUE	34.0080079	8.686228	TRUE	1113.74	280	0.03228	0.0000406
5469804176000	546980	4176000	8.238198	8.238198	5.995159	5.995159	FALSE	8.23974653	8.238198	FALSE	1429.11	280	0.03228	0.0000406
5470004176000	547000	4176000	8.223493	8.223493	5.398512	5.398512	FALSE	7.41971489	8.223493	FALSE	1411.87	280	0.03228	0.0000406
5470204176000	547020	4176000	8.20788	8.20788	4.779253	4.779253	FALSE	6.56860532	8.20788	FALSE	1394.71	280	0.03228	0.0000406
5470404176000	547040	4176000	8.208726	8.208726	4.782307	4.782307	FALSE	6.57280274	8.208726	FALSE	1377.62	280	0.03228	0.0000406
5470604176000	547060	4176000	8.206959	8.206959	4.689887	4.689887	FALSE	6.44578069	8.206959	FALSE	1360.62	280	0.03228	0.0000406
5470804176000	547080	4176000	8.20361	8.20361	4.541895	4.541895	FALSE	6.24238049	8.20361	FALSE	1343.69	280	0.03228	0.0000406
5471004176000	547100	4176000	8.197838	8.197838	4.315825	4.315825	FALSE	5.93166988	8.197838	FALSE	1326.86	280	0.03228	0.0000406
5471204176000	547120	4176000	8.195803	8.195803	4.216748	4.216748	FALSE	5.79549845	8.195803	FALSE	1310.11	280	0.03228	0.0000406
5471404176000	547140	4176000	8.197305	8.197305	4.216691	4.216691	FALSE	5.79542011	8.197305	FALSE	1293.45	280	0.03228	0.0000406
5471604176000	547160	4176000	8.201494	8.201494	4.243327	4.243327	FALSE	5.83202863	8.201494	FALSE	1276.89	280	0.03228	0.0000406
5471804176000	547180	4176000	8.20042	8.20042	4.222044	4.222044	FALSE	5.80277727	8.20042	FALSE	1260.43	280	0.03228	0.0000406
5472004176000	547200	4176000	8.201344	8.201344	4.219618	4.219618	FALSE	5.79944298	8.201344	FALSE	1244.07	280	0.03228	0.0000406
5472204176000	547220	4176000	8.199305	8.199305	4.164637	4.164637	FALSE	5.72387709	8.199305	FALSE	1227.82	280	0.03228	0.0000406
5472404176000	547240	4176000	8.204941	8.204941	4.252494	4.252494	FALSE	5.84462775	8.204941	FALSE	1211.69	280	0.03228	0.0000406
5472604176000	547260	4176000	8.21902	8.21902	4.55605	4.55605	FALSE	6.26183512	8.21902	FALSE	1195.67	280	0.03228	0.0000406
5472804176000	547280	4176000	8.201504	8.201504	4.152524	4.152524	FALSE	5.70722899	8.201504	FALSE	1179.77	280	0.03228	0.0000406
5473004176000	547300	4176000	8.193416	8.193416	4.01108	4.01108	FALSE	5.51282835	8.193416	FALSE	1163.99	280	0.03228	0.0000406
5473204176000	547320	4176000	8.196514	8.196514	4.145237	4.145237	FALSE	5.69721373	8.196514	FALSE	1148.35	280	0.03228	0.0000406
5473404176000	547340	4176000	8.209807	8.209807	4.549463	4.549463	FALSE	6.25278195	8.209807	FALSE	1132.85	280	0.03228	0.0000406
5473604176000	547360	4176000	8.237724	8.237724	5.379413	5.379413	FALSE	7.39346523	8.237724	FALSE	1117.49	280	0.03228	0.0000406
5473804176000	547380	4176000	8.29494	8.29494	7.071794	7.071794	FALSE	9.71947367	8.29494	FALSE	1102.28	280	0.03228	0.0000406
5474004176000	547400	4176000	8.329056	8.329056	7.998464	7.998464	FALSE	10.9930889	8.329056	FALSE	1087.22	280	0.03228	0.0000406
5474204176000	547420	4176000	8.413224	8.413224	10.36097	10.36097	FALSE	14.2401117	8.413224	FALSE	1072.33	280	0.03228	0.0000406
5474404176000	547440	4176000	8.340171	8.340171	8.183901	8.183901	FALSE	11.2479535	8.340171	FALSE	1057.60	280	0.03228	0.0000406
5474604176000	547460	4176000	8.333635	8.333635	8.169516	8.169516	FALSE	11.2281828	8.333635	FALSE	1043.05	280	0.03228	0.0000406
5474804176000	547480	4176000	8.353595	8.353595	8.94577	8.94577	FALSE	12.2950663	8.353595	FALSE	1028.68	280	0.03228	0.0000406
5475004176000	547500	4176000	8.272152	8.272152	6.421156	6.421156	FALSE	8.82523681	8.272152	FALSE	1014.50	280	0.03228	0.0000406
5475204176000	547520	4176000	8.229636	8.229636	5.118446	5.118446	FALSE	7.03479218	8.229636	FALSE	1000.52	280	0.03228	0.0000406
5475404176000	547540	4176000	8.204619	8.204619	4.342427	4.342427	FALSE	5.96823167	8.204619	FALSE	986.75	280	0.03228	0.0000406
5475604176000	547560	4176000	8.191578	8.191578	3.932091	3.932091	FALSE	5.40426587	8.191578	FALSE	973.20	280	0.03228	0.0000406
5475804176000	547580	4176000	8.186968	8.186968	3.802333	3.802333	FALSE	5.22592648	8.186968	FALSE	959.87	280	0.03228	0.0000406
5476004176000	547600	4176000	8.187181	8.187181	3.808193	3.808193	FALSE	5.23398046	8.187181	FALSE	946.77	280	0.03228	0.0000406
5476204176000	547620	4176000	8.193167	8.193167	3.968855	3.968855	FALSE	5.45479431	8.193167	FALSE	933.92	280	0.03228	0.0000406
5476404176000	547640	4176000	8.203017	8.203017	4.220504	4.220504	FALSE	5.8006607	8.203017	FALSE	921.33	280	0.03228	0.0000406
5476604176000	547660	4176000	8.215943	8.215943	4.537353	4.537353	FALSE	6.23613796	8.215943	FALSE	909.00	280	0.03228	0.0000406
5476804176000	547680	4176000	8.241868	8.241868	5.158669	5.158669	FALSE	7.09007467	8.241868	FALSE	896.95	280	0.03228	0.0000406
5477004176000	547700	4176000	8.260913	8.260913	5.615583	5.615583	FALSE	7.71805728	8.260913	FALSE	885.18	280	0.03228	0.0000406
5477204176000	547720	4176000	8.24291	8.24291	5.209034	5.209034	FALSE	7.15929633	8.24291	FALSE	873.72	280	0.03228	0.0000406
5477404176000	547740	4176000	8.225777	8.225777	4.806169	4.806169	FALSE	6.60559867	8.225777	FALSE	862.56	280	0.03228	0.0000406
5477604176000	547760	4176000	8.213131	8.213131	4.529034	4.529034	FALSE	6.22470433	8.213131	FALSE	851.73	280	0.03228	0.0000406
5477804176000	547780	4176000	8.21155	8.21155	4.535821	4.535821	FALSE	6.23403238	8.21155	FALSE	841.24	280	0.03228	0.0000406
5478004176000	547800	4176000	8.213931	8.213931	4.636406	4.636406	FALSE	6.37227641	8.213931	FALSE	831.09	280	0.03228	0.0000406
5478204176000	547820	4176000	8.218796	8.218796	4.776105	4.776105	FALSE	6.56427871	8.218796	FALSE	821.31	280	0.03228	0.0000406
5478404176000	547840	4176000	8.228915	8.228915	5.038869	5.038869	FALSE	6.92542155	8.228915	FALSE	811.90	280	0.03228	0.0000406
5478604176000	547860	4176000	8.244388	8.244388	5.386294	5.386294	FALSE	7.40292247	8.244388	FALSE	802.88	280	0.03228	0.0000406
5478804176000	547880	4176000	8.281652	8.281652	6.131277	6.131277	FALSE	8.42682711	8.281652	FALSE	794.26	280	0.03228	0.0000406
5479004176000	547900	4176000	8.259045	8.259045	5.723308	5.723308	FALSE	7.86611452	8.259045	FALSE	786.05	280	0.03228	0.0000406
5479204176000	547920	4176000	8.243551	8.243551	5.466551	5.466551	FALSE	7.51322769	8.243551	FALSE	778.28	280	0.03228	0.0000406
5479404176000	547940	4176000	8.250091	8.250091	5.694192	5.694192	FALSE	7.82609748	8.250091	FALSE	770.94	280	0.03228	0.0000406
5479604176000	547960	4176000	8.277216	8.277216	6.370947	6.370947	FALSE	8.75622956	8.277216	FALSE	764.06	280	0.03228	0.0000406
5479804176000	547980	4176000	8.254033	8.254033	5.82722	5.82722	FALSE	8.00893117	8.254033	FALSE	757.64	280	0.03228	0.0000406
5480004176000	548000	4176000	8.261027	8.261027	6.030992	6.030992	FALSE	8.2889954	8.261027	FALSE	751.70	280	0.03228	0.0000406
5480204176000	548020	4176000	8.271834	8.271834	6.249416	6.249416	FALSE	8.58919735	8.271834	FALSE	746.24	280	0.03228	0.0000406
5480404176000	548040	4176000	8.265385	8.265385	6.085276	6.085276	FALSE	8.36360333	8.265385	FALSE	741.29	280	0.03228	0.0000406
5480604176000	548060	4176000	8.242303	8.242303	5.679643	5.679643	FALSE	7.80610134	8.242303	FALSE	736.85	280	0.03228	0.0000406

5480804176000	548080	4176000	8.236246	8.236246	5.679948	5.679948	FALSE	7.80652053	8.236246	FALSE	732.93	280	0.03228	0.0000406
5481004176000	548100	4176000	8.236153	8.236153	5.856755	5.856755	FALSE	8.04952407	8.236153	FALSE	729.53	280	0.03228	0.0000406
5481204176000	548120	4176000	8.24167	8.24167	6.203456	6.203456	FALSE	8.52602993	8.24167	FALSE	726.67	280	0.03228	0.0000406
5481404176000	548140	4176000	8.248345	8.248345	6.707861	6.707861	FALSE	9.21928416	8.248345	FALSE	724.35	280	0.03228	0.0000406
5481604176000	548160	4176000	8.27904	8.27904	7.985766	7.985766	FALSE	10.9756368	8.27904	FALSE	722.57	280	0.03228	0.0000406
5481804176000	548180	4176000	8.277157	8.277157	9.165786	9.165786	FALSE	12.5974563	8.277157	FALSE	721.35	280	0.03228	0.0000406
5482004176000	548200	4176000	8.257733	8.257733	9.670913	9.670913	FALSE	13.2917028	8.257733	FALSE	720.68	280	0.03228	0.0000406
5482204176000	548220	4176000	8.253955	8.253955	9.910228	9.910228	FALSE	13.6206174	8.253955	FALSE	720.56	280	0.03228	0.0000406
5482404176000	548240	4176000	8.253282	8.253282	10.13578	10.13578	FALSE	13.9306174	8.253282	FALSE	721.00	280	0.03228	0.0000406
5482604176000	548260	4176000	8.244189	8.244189	9.595893	9.595893	FALSE	13.1885953	8.244189	FALSE	722.00	280	0.03228	0.0000406
5482804176000	548280	4176000	8.233091	8.233091	8.846868	8.846868	FALSE	12.1591354	8.233091	FALSE	723.54	280	0.03228	0.0000406
5483004176000	548300	4176000	8.235929	8.235929	9.089784	9.089784	FALSE	12.4929991	8.235929	FALSE	725.64	280	0.03228	0.0000406
5483204176000	548320	4176000	8.240786	8.240786	9.427981	9.427981	FALSE	12.9578171	8.240786	FALSE	728.27	280	0.03228	0.0000406
5483404176000	548340	4176000	8.247783	8.247783	9.935011	9.935011	FALSE	13.6546791	8.247783	FALSE	731.45	280	0.03228	0.0000406
5483604176000	548360	4176000	8.248955	8.248955	9.891854	9.891854	FALSE	13.5953641	8.248955	FALSE	735.15	280	0.03228	0.0000406
5483804176000	548380	4176000	8.258732	8.258732	10.49002	10.49002	FALSE	14.4174835	8.258732	FALSE	739.38	280	0.03228	0.0000406
5484004176000	548400	4176000	8.247308	8.247308	9.551382	9.551382	FALSE	13.1274194	8.247308	FALSE	744.12	280	0.03228	0.0000406
5484204176000	548420	4176000	8.247898	8.247898	9.412135	9.412135	FALSE	12.9360383	8.247898	FALSE	749.36	280	0.03228	0.0000406
5484404176000	548440	4176000	8.245292	8.245292	9.179486	9.179486	FALSE	12.6162856	8.245292	FALSE	755.10	280	0.03228	0.0000406
5484604176000	548460	4176000	8.241058	8.241058	8.906729	8.906729	FALSE	12.2414083	8.241058	FALSE	761.32	280	0.03228	0.0000406
5484804176000	548480	4176000	8.236927	8.236927	8.670805	8.670805	FALSE	11.9171544	8.236927	FALSE	768.01	280	0.03228	0.0000406
5485004176000	548500	4176000	8.233061	8.233061	8.457886	8.457886	FALSE	11.6245185	8.233061	FALSE	775.16	280	0.03228	0.0000406
5485204176000	548520	4176000	8.228495	8.228495	8.24945	8.24945	FALSE	11.3380441	8.228495	FALSE	782.76	280	0.03228	0.0000406
5485404176000	548540	4176000	8.231444	8.231444	8.412511	8.412511	FALSE	11.5621551	8.231444	FALSE	790.79	280	0.03228	0.0000406
5485604176000	548560	4176000	8.242365	8.242365	9.099517	9.099517	FALSE	12.5063762	8.242365	FALSE	799.24	280	0.03228	0.0000406
5485804176000	548580	4176000	8.260956	8.260956	10.30957	10.30957	FALSE	14.1694785	8.260956	FALSE	808.09	280	0.03228	0.0000406
5486004176000	548600	4176000	8.2687	8.2687	10.75708	10.75708	FALSE	14.7845266	8.2687	FALSE	817.34	280	0.03228	0.0000406
5486204176000	548620	4176000	8.282743	8.282743	11.83177	11.83177	FALSE	16.2615806	8.282743	FALSE	826.97	280	0.03228	0.0000406
5486404176000	548640	4176000	8.288091	8.288091	12.2038	12.2038	FALSE	16.7729082	8.288091	FALSE	836.97	280	0.03228	0.0000406
5486604176000	548660	4176000	8.288849	8.288849	12.24502	12.24502	FALSE	16.8295569	8.288849	FALSE	847.32	280	0.03228	0.0000406
5486804176000	548680	4176000	8.292899	8.292899	12.40965	12.40965	FALSE	17.0558161	8.292899	FALSE	858.01	280	0.03228	0.0000406
5487004176000	548700	4176000	8.300669	8.300669	12.67063	12.67063	FALSE	17.4145139	8.300669	FALSE	869.03	280	0.03228	0.0000406
5487204176000	548720	4176000	8.312733	8.312733	13.08881	13.08881	FALSE	17.9892536	8.312733	FALSE	880.37	280	0.03228	0.0000406
5487404176000	548740	4176000	8.327526	8.327526	13.64407	13.64407	FALSE	18.7524071	8.327526	FALSE	892.01	280	0.03228	0.0000406
5487604176000	548760	4176000	8.347392	8.347392	14.35043	14.35043	FALSE	19.7232324	8.347392	FALSE	903.94	280	0.03228	0.0000406
5487804176000	548780	4176000	8.365862	8.365862	14.91996	14.91996	FALSE	20.5059916	8.365862	FALSE	916.16	280	0.03228	0.0000406
5488004176000	548800	4176000	8.393689	8.393689	15.85377	15.85377	FALSE	21.7894242	8.393689	FALSE	928.64	280	0.03228	0.0000406
5488204176000	548820	4176000	8.43351	8.43351	17.2638	17.2638	FALSE	23.7273681	8.43351	FALSE	941.39	280	0.03228	0.0000406
5488404176000	548840	4176000	8.449043	8.449043	17.87027	17.87027	FALSE	24.5609018	8.449043	FALSE	954.38	280	0.03228	0.0000406
5488604176000	548860	4176000	8.459988	8.459988	18.27465	18.27465	FALSE	25.1166735	8.459988	FALSE	967.62	280	0.03228	0.0000406
5488804176000	548880	4176000	8.466727	8.466727	18.50491	18.50491	FALSE	25.4331428	8.466727	FALSE	981.08	280	0.03228	0.0000406
5489004176000	548900	4176000	8.479357	8.479357	18.90326	18.90326	FALSE	25.9806364	8.479357	FALSE	994.76	280	0.03228	0.0000406
5489204176000	548920	4176000	8.499434	8.499434	19.53942	19.53942	FALSE	26.8549843	8.499434	FALSE	1008.65	280	0.03228	0.0000406
5489404176000	548940	4176000	8.526529	8.526529	20.43734	20.43734	FALSE	28.0890787	8.526529	FALSE	1022.75	280	0.03228	0.0000406
5489604176000	548960	4176000	8.548654	8.548654	21.19258	21.19258	FALSE	29.1270861	8.548654	FALSE	1037.04	280	0.03228	0.0000406
5489804176000	548980	4176000	8.575407	8.575407	22.16948	22.16948	FALSE	30.4697333	8.575407	FALSE	1051.51	280	0.03228	0.0000406
5490004176000	549000	4176000	8.602785	8.602785	23.13932	23.13932	FALSE	31.8026828	8.602785	FALSE	1066.17	280	0.03228	0.0000406
5490204176000	549020	4176000	8.631974	8.631974	24.19973	24.19973	FALSE	33.2601034	8.631974	FALSE	1080.99	280	0.03228	0.0000406
5490404176000	549040	4176000	8.651208	8.651208	24.86044	24.86044	FALSE	34.1681929	8.651208	FALSE	1095.98	280	0.03228	0.0000406
5490604176000	549060	4176000	8.656683	8.656683	25.02131	25.02131	FALSE	34.389294	8.656683	FALSE	1111.13	280	0.03228	0.0000406
5490804176000	549080	4176000	8.664249	8.664249	25.23075	25.23075	FALSE	34.6771455	8.664249	FALSE	1126.43	280	0.03228	0.0000406
5470004176020	547000	4176020	8.218772	8.218772	5.251314	5.251314	FALSE	7.21740596	8.218772	FALSE	1422.18	280	0.03228	0.0000406
5470204176020	547020	4176020	8.208616	8.208616	4.84066	4.84066	FALSE	6.6530031	8.208616	FALSE	1405.15	280	0.03228	0.0000406
5470404176020	547040	4176020	8.206847	8.206847	4.745558	4.745558	FALSE	6.52229492	8.206847	FALSE	1388.19	280	0.03228	0.0000406
5470604176020	547060	4176020	8.202802	8.202802	4.571306	4.571306	FALSE	6.28280297	8.202802	FALSE	1371.31	280	0.03228	0.0000406
5470804176020	547080	4176020	8.197494	8.197494	4.362265	4.362265	FALSE	5.99549702	8.197494	FALSE	1354.52	280	0.03228	0.0000406
5471004176020	547100	4176020	8.193583	8.193583	4.20488	4.20488	FALSE	5.77918707	8.193583	FALSE	1337.82	280	0.03228	0.0000406
5471204176020	547120	4176020	8.192993	8.192993	4.153129	4.153129	FALSE	5.7080605	8.192993	FALSE	1321.21	280	0.03228	0.0000406
5471404176020	547140	4176020	8.195681	8.195681	4.192409	4.192409	FALSE	5.76204693	8.195681	FALSE	1304.70	280	0.03228	0.0000406
5471604176020	547160	4176020	8.200285	8.200285	4.243413	4.243413	FALSE	5.83214683	8.200285	FALSE	1288.28	280	0.03228	0.0000406
5471804176020	547180	4176020	8.213902	8.213902	4.498743	4.498743	FALSE	6.18307238	8.213902	FALSE	1271.97	280	0.03228	0.0000406
5472004176020	547200	4176020	8.206087	8.206087	4.33266	4.33266	FALSE	5.9548079	8.206087	FALSE	1255.76	280	0.03228	0.0000406
5472204176020	547220	4176020	8.209069	8.209069	4.373866	4.373866	FALSE	6.01144143	8.209069	FALSE	1239.67	280	0.03228	0.0000406
5472404176020	547240	4176020	8.219318	8.219318	4.561995	4.561995	FALSE	6.27000593	8.219318	FALSE	1223.68	280	0.03228	0.0000406
5472604176020	547260	4176020	8.208875	8.208875	4.43456	4.43456	FALSE	6.09485926	8.208875	FALSE	1207.82	280	0.03228	0.0000406
5472804176020	547280	4176020	8.201769	8.201769	4.272999	4.272999	FALSE	5.87280983	8.201769	FALSE	1192.09	280	0.03228	0.0000406
5473004176020	547300	4176020	8.204849	8.204849	4.402019	4.402019	FALSE	6.05013491	8.204849	FALSE	1176.48	280	0.03228	0.0000406
5473204176020	547320	4176020	8.220616	8.220616	4.89362	4.89362	FALSE	6.72579133	8.220616	FALSE	1161.01	280	0.03228	0.0000406
5473404176020	547340	4176020	8.264232	8.264232	6.199371	6.199371	FALSE	8.5204155	8.264232	FALSE	1145.67	280	0.03228	0.0000406
5473604176020	547360	4176020	8.300739	8.300739	7.252479	7.252479	FALSE	9.96780714	8.300739	FALSE	1130.49	280	0.03228	0.0000406
5473804176020	547380	4176020	8.327987	8.327987	8.012139	8.012139	FALSE	11.0118838	8.327987	FALSE	1115.45	280	0.03228	0.0000406
5474004176020	547400	4176020	8.258026	8.258026	5.903299	5.903299	FALSE	8.11349415	8.258026	FALSE	1100.58	280	0.03228	0.0000406
5474204176020	547420	4176020	8.233661	8.233661	5.156556	5.156556	FALSE	7.08717057	8.233661	FALSE	1085.87	280	0.03228	0.0000406
5474404176020	547440	4176020	8.223742	8.223742	4.884897	4.884897	FALSE	6.71380244	8.223742	FALSE	1071.32	280	0.03228	0.0000406
5474604176020	547460	4176020	8.234637	8.234637	5.253985	5.253985	FALSE	7.22107698	8.234637	FALSE	1056.96	280	0.03228	0.0000406
5474804176020	547480	4176020	8.264975	8.264975	6.252408	6.252408	FALSE	8.59330956	8.264975	FALSE	1042.79	280	0.03228	0.0000406
5475004176020	547500	4176020	8.295288	8.295288	7.266459	7.266459	FALSE	9.98702125	8.295288	FALSE	1028.80	280	0.03228	0.0000406
5475204176020	547520	4176020	8.335191	8.335191	8.478883	8.478883	FALSE	11.6533768	8.335191	FALSE	1015.02	280	0.03228	0.0000406
5475404176020	547540	4176020	8.241786	8.241786	5.554707	5.554707	FALSE	7.6343893	8.241786	FALSE	1001.45	280	0.03228	0.0000406
5475604176020	547560	4176020	8.209553	8.209553	4.538783	4.538783	FALSE	6.23810336	8.209553	FALSE	988.10	280	0.03228	0.0000406
5475804176020	547580	4176020	8.196459	8.196459	4.135692	4.135692	FALSE	5.68409508	8.196459	FALSE	974.97	280	0.03228	0.0000406
5476004176020	547600	4176020	8.192879	8.192879	4.026004	4.026004	FALSE	5.5333399	8.192879	FALSE	962.08	280	0.03228	0.0000406
5476204176020	547620	4176020	8.19567	8.19567	4.096598	4.096598	FALSE	5.63036429	8.19567	FALSE	949.44	280	0.03228	0.0000406
5476404176020	547640	4176020	8.201552	8.201552	4.246181	4.246181	FALSE	5.83595117	8.201552	FALSE	937.05	280	0.03228	0.0000406
5476604176020	547660	4176020	8.208506	8.208506	4.421913	4.421913	FALSE	6.07747723	8.208506	FALSE	924.93	280	0.03228	0.0000406
5476804176020	547680	4176020	8.21666	8.21666	4.626323	4.626323	FALSE	6.35841833	8.21666	FALSE	913.09	280	0.03228	0.0000406
5477004176020	547700	4176020	8.22579	8.22579	4.846703	4.846703	FALSE	6.6613086	8.22579	FALSE	901.54	280	0.03228	0.0000406
5477204176020	547720	4176020	8.233923	8.233923	5.031658	5.031658	FALSE	6.91551076	8.233923	FALSE	890.28	280	0.03228	0.0000406
5477404176020	547740	4176020	8.242302	8.242302	5.192919	5.192919	FALSE	7.13714787	8.242302	FALSE	879.34	280	0.03228	0.0000406
5477604176020	547760	4176020	8.228545	8.228545	4.882403	4.882403	FALSE	6.71037468	8.228545	FALSE	868.72	280	0.03228	0.0000406
5477804176020	547780	4176020	8.222763	8.222763	4.787482	4.787482	FALSE	6.57991526	8.222763	FALSE	858.43	280	0.03228	0.0000406
5478004176020	547800	4176020	8.224656	8.224656	4.874881	4.874881	FALSE	6.70003645	8.224656	FALSE	848.49	280	0.03228	0.0000406
5478204176020	547820	4176020	8.230083	8.230083	5.014654	5.014654	FALSE	6.89214046	8.230083	FALSE	838.91	280	0.03228	0.0000406
5478404176020	547840	4176020	8.242432	8.242432	5.30243	5.30243	FALSE	7.28765979	8.242432	FALSE	829.70	280	0.03228	0.0000406

5478604176020	547860	4176020	8.26755	8.26755	5.809443	5.809443	FALSE	7.98449846	8.26755	FALSE	820.88	280	0.03228	0.0000406
5478804176020	547880	4176020	8.2919	8.2919	6.275748	6.275748	FALSE	8.62538805	8.2919	FALSE	812.45	280	0.03228	0.0000406
5479004176020	547900	4176020	8.247475	8.247475	5.436	5.436	FALSE	7.4712384	8.247475	FALSE	804.43	280	0.03228	0.0000406
5479204176020	547920	4176020	8.240507	8.240507	5.352087	5.352087	FALSE	7.35590837	8.240507	FALSE	796.83	280	0.03228	0.0000406
5479404176020	547940	4176020	8.252103	8.252103	5.664532	5.664532	FALSE	7.78533278	8.252103	FALSE	789.66	280	0.03228	0.0000406
5479604176020	547960	4176020	8.250956	8.250956	5.694222	5.694222	FALSE	7.82613872	8.250956	FALSE	782.94	280	0.03228	0.0000406
5479804176020	547980	4176020	8.243579	8.243579	5.460587	5.460587	FALSE	7.50503077	8.243579	FALSE	776.68	280	0.03228	0.0000406
5480004176020	548000	4176020	8.248856	8.248856	5.622805	5.622805	FALSE	7.72798319	8.248856	FALSE	770.89	280	0.03228	0.0000406
5480204176020	548020	4176020	8.273405	8.273405	6.20286	6.20286	FALSE	8.52521078	8.273405	FALSE	765.57	280	0.03228	0.0000406
5480404176020	548040	4176020	8.274265	8.274265	6.324314	6.324314	FALSE	8.69213716	8.274265	FALSE	760.75	280	0.03228	0.0000406
5480604176020	548060	4176020	8.256333	8.256333	6.042414	6.042414	FALSE	8.3046938	8.256333	FALSE	756.42	280	0.03228	0.0000406
5480804176020	548080	4176020	8.245518	8.245518	5.909138	5.909138	FALSE	8.12151927	8.245518	FALSE	752.60	280	0.03228	0.0000406
5481004176020	548100	4176020	8.247899	8.247899	6.063541	6.063541	FALSE	8.33373075	8.247899	FALSE	749.29	280	0.03228	0.0000406
5481204176020	548120	4176020	8.240245	8.240245	6.035858	6.035858	FALSE	8.29568324	8.240245	FALSE	746.50	280	0.03228	0.0000406
5481404176020	548140	4176020	8.245929	8.245929	6.376404	6.376404	FALSE	8.76372966	8.245929	FALSE	744.25	280	0.03228	0.0000406
5481604176020	548160	4176020	8.27756	8.27756	7.35649	7.35649	FALSE	10.1107599	8.27756	FALSE	742.52	280	0.03228	0.0000406
5481804176020	548180	4176020	8.262336	8.262336	7.596772	7.596772	FALSE	10.4410034	8.262336	FALSE	741.33	280	0.03228	0.0000406
5482004176020	548200	4176020	8.235968	8.235968	7.488187	7.488187	FALSE	10.2917642	8.235968	FALSE	740.68	280	0.03228	0.0000406
5482204176020	548220	4176020	8.231575	8.231575	7.676464	7.676464	FALSE	10.5505321	8.231575	FALSE	740.56	280	0.03228	0.0000406
5482404176020	548240	4176020	8.227968	8.227968	7.711274	7.711274	FALSE	10.598375	8.227968	FALSE	740.99	280	0.03228	0.0000406
5482604176020	548260	4176020	8.225958	8.225958	7.758842	7.758842	FALSE	10.6637524	8.225958	FALSE	741.96	280	0.03228	0.0000406
5482804176020	548280	4176020	8.224369	8.224369	7.776858	7.776858	FALSE	10.6885136	8.224369	FALSE	743.46	280	0.03228	0.0000406
5483004176020	548300	4176020	8.225454	8.225454	7.939641	7.939641	FALSE	10.9122426	8.225454	FALSE	745.50	280	0.03228	0.0000406
5483204176020	548320	4176020	8.229269	8.229269	8.252714	8.252714	FALSE	11.3425301	8.229269	FALSE	748.07	280	0.03228	0.0000406
5483404176020	548340	4176020	8.23564	8.23564	8.753463	8.753463	FALSE	12.0307595	8.23564	FALSE	751.16	280	0.03228	0.0000406
5483604176020	548360	4176020	8.238566	8.238566	8.858684	8.858684	FALSE	12.1753753	8.238566	FALSE	754.76	280	0.03228	0.0000406
5483804176020	548380	4176020	8.251911	8.251911	9.784583	9.784583	FALSE	13.4479309	8.251911	FALSE	758.88	280	0.03228	0.0000406
5484004176020	548400	4176020	8.242979	8.242979	9.073807	9.073807	FALSE	12.4710403	8.242979	FALSE	763.50	280	0.03228	0.0000406
5484204176020	548420	4176020	8.244885	8.244885	9.066266	9.066266	FALSE	12.460676	8.244885	FALSE	768.61	280	0.03228	0.0000406
5484404176020	548440	4176020	8.244984	8.244984	9.00208	9.00208	FALSE	12.3724588	8.244984	FALSE	774.21	280	0.03228	0.0000406
5484604176020	548460	4176020	8.244447	8.244447	8.922521	8.922521	FALSE	12.2631129	8.244447	FALSE	780.28	280	0.03228	0.0000406
5484804176020	548480	4176020	8.24083	8.24083	8.727356	8.727356	FALSE	11.9948781	8.24083	FALSE	786.81	280	0.03228	0.0000406
5485004176020	548500	4176020	8.238971	8.238971	8.618481	8.618481	FALSE	11.8452403	8.238971	FALSE	793.79	280	0.03228	0.0000406
5485204176020	548520	4176020	8.237729	8.237729	8.570876	8.570876	FALSE	11.779812	8.237729	FALSE	801.21	280	0.03228	0.0000406
5485404176020	548540	4176020	8.239168	8.239168	8.665773	8.665773	FALSE	11.9102384	8.239168	FALSE	809.05	280	0.03228	0.0000406
5485604176020	548560	4176020	8.245859	8.245859	9.025266	9.025266	FALSE	12.4043256	8.245859	FALSE	817.31	280	0.03228	0.0000406
5485804176020	548580	4176020	8.256307	8.256307	9.567284	9.567284	FALSE	13.1492751	8.256307	FALSE	825.97	280	0.03228	0.0000406
5486004176020	548600	4176020	8.261113	8.261113	9.877985	9.877985	FALSE	13.5763026	8.261113	FALSE	835.03	280	0.03228	0.0000406
5486204176020	548620	4176020	8.264529	8.264529	10.1382	10.1382	FALSE	13.9339352	8.264529	FALSE	844.45	280	0.03228	0.0000406
5486404176020	548640	4176020	8.266543	8.266543	10.29442	10.29442	FALSE	14.148655	8.266543	FALSE	854.24	280	0.03228	0.0000406
5486604176020	548660	4176020	8.26494	8.26494	10.22123	10.22123	FALSE	14.0480516	8.26494	FALSE	864.39	280	0.03228	0.0000406
5486804176020	548680	4176020	8.267693	8.267693	10.33993	10.33993	FALSE	14.2111984	8.267693	FALSE	874.87	280	0.03228	0.0000406
5487004176020	548700	4176020	8.276339	8.276339	10.69082	10.69082	FALSE	14.6934589	8.276339	FALSE	885.68	280	0.03228	0.0000406
5487204176020	548720	4176020	8.287968	8.287968	11.12015	11.12015	FALSE	15.2835314	8.287968	FALSE	896.81	280	0.03228	0.0000406
5487404176020	548740	4176020	8.297334	8.297334	11.42423	11.42423	FALSE	15.7014658	8.297334	FALSE	908.24	280	0.03228	0.0000406
5487604176020	548760	4176020	8.306708	8.306708	11.72656	11.72656	FALSE	16.1169896	8.306708	FALSE	919.96	280	0.03228	0.0000406
5487804176020	548780	4176020	8.320362	8.320362	12.16649	12.16649	FALSE	16.721628	8.320362	FALSE	931.97	280	0.03228	0.0000406
5488004176020	548800	4176020	8.344559	8.344559	12.99977	12.99977	FALSE	17.8668825	8.344559	FALSE	944.25	280	0.03228	0.0000406
5488204176020	548820	4176020	8.383463	8.383463	14.38775	14.38775	FALSE	19.7745277	8.383463	FALSE	956.78	280	0.03228	0.0000406
5488404176020	548840	4176020	8.395794	8.395794	14.81351	14.81351	FALSE	20.3596854	8.395794	FALSE	969.57	280	0.03228	0.0000406
5488604176020	548860	4176020	8.40667	8.40667	15.18188	15.18188	FALSE	20.8659717	8.40667	FALSE	982.60	280	0.03228	0.0000406
5488804176020	548880	4176020	8.416376	8.416376	15.50577	15.50577	FALSE	21.3111317	8.416376	FALSE	995.86	280	0.03228	0.0000406
5489004176020	548900	4176020	8.427044	8.427044	15.8254	15.8254	FALSE	21.7504243	8.427044	FALSE	1009.34	280	0.03228	0.0000406
5489204176020	548920	4176020	8.447482	8.447482	16.5025	16.5025	FALSE	22.6810291	8.447482	FALSE	1023.03	280	0.03228	0.0000406
5489404176020	548940	4176020	8.478724	8.478724	17.54327	17.54327	FALSE	24.1114648	8.478724	FALSE	1036.93	280	0.03228	0.0000406
5489604176020	548960	4176020	8.497491	8.497491	18.12838	18.12838	FALSE	24.9156468	8.497491	FALSE	1051.03	280	0.03228	0.0000406
5489804176020	548980	4176020	8.520262	8.520262	18.89703	18.89703	FALSE	25.9720767	8.520262	FALSE	1065.32	280	0.03228	0.0000406
5490004176020	549000	4176020	8.544476	8.544476	19.72588	19.72588	FALSE	27.1112495	8.544476	FALSE	1079.78	280	0.03228	0.0000406
5490204176020	549020	4176020	8.570169	8.570169	20.66002	20.66002	FALSE	28.3951329	8.570169	FALSE	1094.43	280	0.03228	0.0000406
5490404176020	549040	4176020	8.586672	8.586672	21.25754	21.25754	TRUE	29.2163644	8.586672	TRUE	1109.23	280	0.03228	0.0000406
5490604176020	549060	4176020	8.590181	8.590181	21.40238	21.40238	TRUE	29.4154338	8.590181	TRUE	1124.20	280	0.03228	0.0000406
5490804176020	549080	4176020	8.588391	8.588391	21.30649	21.30649	TRUE	29.2836426	8.588391	TRUE	1139.33	280	0.03228	0.0000406
5470004176040	547000	4176040	8.214713	8.214713	5.139882	5.139882	FALSE	7.06425382	8.214713	FALSE	1432.70	280	0.03228	0.0000406
5470204176040	547020	4176040	8.206976	8.206976	4.824622	4.824622	FALSE	6.63096048	8.206976	FALSE	1415.79	280	0.03228	0.0000406
5470404176040	547040	4176040	8.204338	8.204338	4.697552	4.697552	FALSE	6.45631547	8.204338	FALSE	1398.96	280	0.03228	0.0000406
5470604176040	547060	4176040	8.199598	8.199598	4.503026	4.503026	FALSE	6.18895893	8.199598	FALSE	1382.22	280	0.03228	0.0000406
5470804176040	547080	4176040	8.193679	8.193679	4.281132	4.281132	FALSE	5.88398782	8.193679	FALSE	1365.56	280	0.03228	0.0000406
5471004176040	547100	4176040	8.191946	8.191946	4.193579	4.193579	FALSE	5.76365498	8.191946	FALSE	1349.00	280	0.03228	0.0000406
5471204176040	547120	4176040	8.192562	8.192562	4.178132	4.178132	FALSE	5.74242462	8.192562	FALSE	1332.53	280	0.03228	0.0000406
5471404176040	547140	4176040	8.195519	8.195519	4.225645	4.225645	FALSE	5.80772649	8.195519	FALSE	1316.15	280	0.03228	0.0000406
5471604176040	547160	4176040	8.200952	8.200952	4.307601	4.307601	FALSE	5.92036681	8.200952	FALSE	1299.88	280	0.03228	0.0000406
5471804176040	547180	4176040	8.219935	8.219935	4.668188	4.668188	FALSE	6.41595759	8.219935	FALSE	1283.72	280	0.03228	0.0000406
5472004176040	547200	4176040	8.215108	8.215108	4.553	4.553	FALSE	6.2576432	8.215108	FALSE	1267.66	280	0.03228	0.0000406
5472204176040	547220	4176040	8.209314	8.209314	4.435229	4.435229	FALSE	6.09577874	8.209314	FALSE	1251.72	280	0.03228	0.0000406
5472404176040	547240	4176040	8.21255	8.21255	4.51387	4.51387	FALSE	6.20386293	8.21255	FALSE	1235.89	280	0.03228	0.0000406
5472604176040	547260	4176040	8.211045	8.211045	4.595201	4.595201	FALSE	6.31564425	8.211045	FALSE	1220.19	280	0.03228	0.0000406
5472804176040	547280	4176040	8.213274	8.213274	4.679465	4.679465	FALSE	6.4314567	8.213274	FALSE	1204.61	280	0.03228	0.0000406
5473004176040	547300	4176040	8.232372	8.232372	5.27143	5.27143	FALSE	7.24505339	8.232372	FALSE	1189.17	280	0.03228	0.0000406
5473204176040	547320	4176040	8.292544	8.292544	7.069438	7.069438	FALSE	9.71623559	8.292544	FALSE	1173.86	280	0.03228	0.0000406
5473404176040	547340	4176040	8.303227	8.303227	7.325657	7.325657	FALSE	10.068383	8.303227	FALSE	1158.70	280	0.03228	0.0000406
5473604176040	547360	4176040	8.274115	8.274115	6.445523	6.445523	FALSE	8.85872681	8.274115	FALSE	1143.69	280	0.03228	0.0000406
5473804176040	547380	4176040	8.221307	8.221307	4.877244	4.877244	FALSE	6.70328415	8.221307	FALSE	1128.83	280	0.03228	0.0000406
5474004176040	547400	4176040	8.194082	8.194082	4.041864	4.041864	FALSE	5.55513788	8.194082	FALSE	1114.13	280	0.03228	0.0000406
5474204176040	547420	4176040	8.180524	8.180524	3.631179	3.631179	FALSE	4.99069242	8.180524	FALSE	1099.60	280	0.03228	0.0000406
5474404176040	547440	4176040	8.175448	8.175448	3.488892	3.488892	FALSE	4.79513316	8.175448	FALSE	1085.25	280	0.03228	0.0000406
5474604176040	547460	4176040	8.179936	8.179936	3.631805	3.631805	FALSE	4.99155279	8.179936	FALSE	1071.07	280	0.03228	0.0000406
5474804176040	547480	4176040	8.192086	8.192086	4.026215	4.026215	FALSE	5.5336299	8.192086	FALSE	1057.08	280	0.03228	0.0000406
5475004176040	547500	4176040	8.223572	8.223572	5.033757	5.033757	FALSE	6.91839562	8.223572	FALSE	1043.29	280	0.03228	0.0000406
5475204176040	547520	4176040	8.302982	8.302982	7.568928	7.568928	FALSE	10.4027346	8.302982	FALSE	1029.70	280	0.03228	0.0000406
5475404176040	547540	4176040	8.313462	8.313462	7.86652	7.86652	FALSE	10.8117451	8.313462	FALSE	1016.33	280	0.03228	0.0000406
5475604176040	547560	4176040	8.258747	8.258747	6.125111	6.125111	FALSE	8.41835256	8.258747	FALSE	1003.17	280	0.03228	0.0000406
5475804176040	547580	4176040	8.22089	8.22089	4.93949	4.93949	FALSE	6.78883506	8.22089	FALSE	990.25	280	0.03228	0.0000406
5476004176040	547600	4176040	8.206904	8.206904	4.502056	4.502056	FALSE	6.18762577	8.206904	FALSE	977.56	280	0.03228	0.0000406
5476204176040	547620	4176040	8.204827	8.204827	4.426717	4.426717	FALSE	6.08407984	8.204827	FALSE	965.12	280	0.03228	0.0000406

5476404176040	547640	4176040	8.207923	8.207923	4.496334	4.496334	FALSE	6.17976145	8.207923	FALSE	952.94	280	0.03228	0.0000406
5476604176040	547660	4176040	8.212448	8.212448	4.606082	4.606082	FALSE	6.3305991	8.212448	FALSE	941.02	280	0.03228	0.0000406
5476804176040	547680	4176040	8.219022	8.219022	4.773036	4.773036	FALSE	6.56006068	8.219022	FALSE	929.39	280	0.03228	0.0000406
5477004176040	547700	4176040	8.226206	8.226206	4.939414	4.939414	FALSE	6.7887306	8.226206	FALSE	918.04	280	0.03228	0.0000406
5477204176040	547720	4176040	8.237247	8.237247	5.182229	5.182229	FALSE	7.12245554	8.237247	FALSE	906.99	280	0.03228	0.0000406
5477404176040	547740	4176040	8.260082	8.260082	5.664485	5.664485	FALSE	7.78526818	8.260082	FALSE	896.25	280	0.03228	0.0000406
5477604176040	547760	4176040	8.247625	8.247625	5.38312	5.38312	FALSE	7.39856013	8.247625	FALSE	885.83	280	0.03228	0.0000406
5477804176040	547780	4176040	8.24063	8.24063	5.249291	5.249291	FALSE	7.21462555	8.24063	FALSE	875.74	280	0.03228	0.0000406
5478004176040	547800	4176040	8.243399	8.243399	5.328934	5.328934	FALSE	7.32408689	8.243399	FALSE	866.00	280	0.03228	0.0000406
5478204176040	547820	4176040	8.251758	8.251758	5.503031	5.503031	FALSE	7.56336581	8.251758	FALSE	856.62	280	0.03228	0.0000406
5478404176040	547840	4176040	8.272892	8.272892	5.939393	5.939393	FALSE	8.16310174	8.272892	FALSE	847.60	280	0.03228	0.0000406
5478604176040	547860	4176040	8.308321	8.308321	6.621472	6.621472	FALSE	9.10055112	8.308321	FALSE	838.96	280	0.03228	0.0000406
5478804176040	547880	4176040	8.259821	8.259821	5.667537	5.667537	FALSE	7.78946285	8.259821	FALSE	830.72	280	0.03228	0.0000406
5479004176040	547900	4176040	8.243965	8.243965	5.374638	5.374638	FALSE	7.38690247	8.243965	FALSE	822.88	280	0.03228	0.0000406
5479204176040	547920	4176040	8.244673	8.244673	5.440359	5.440359	FALSE	7.47722941	8.244673	FALSE	815.45	280	0.03228	0.0000406
5479404176040	547940	4176040	8.258594	8.258594	5.783569	5.783569	FALSE	7.94893723	8.258594	FALSE	808.45	280	0.03228	0.0000406
5479604176040	547960	4176040	8.245464	8.245464	5.541038	5.541038	FALSE	7.61560263	8.245464	FALSE	801.89	280	0.03228	0.0000406
5479804176040	547980	4176040	8.241812	8.241812	5.372103	5.372103	FALSE	7.38341836	8.241812	FALSE	795.77	280	0.03228	0.0000406
5480004176040	548000	4176040	8.250481	8.250481	5.598182	5.598182	FALSE	7.69414134	8.250481	FALSE	790.12	280	0.03228	0.0000406
5480204176040	548020	4176040	8.252575	8.252575	5.731261	5.731261	FALSE	7.87704512	8.252575	FALSE	784.94	280	0.03228	0.0000406
5480404176040	548040	4176040	8.256264	8.256264	5.906571	5.906571	FALSE	8.11799118	8.256264	FALSE	780.23	280	0.03228	0.0000406
5480604176040	548060	4176040	8.253508	8.253508	5.967017	5.967017	FALSE	8.20106816	8.253508	FALSE	776.01	280	0.03228	0.0000406
5480804176040	548080	4176040	8.262483	8.262483	6.278749	6.278749	FALSE	8.62951263	8.262483	FALSE	772.28	280	0.03228	0.0000406
5481004176040	548100	4176040	8.247854	8.247854	5.99955	5.99955	FALSE	8.24578152	8.247854	FALSE	769.06	280	0.03228	0.0000406
5481204176040	548120	4176040	8.240945	8.240945	5.941965	5.941965	FALSE	8.1666367	8.240945	FALSE	766.35	280	0.03228	0.0000406
5481404176040	548140	4176040	8.246296	8.246296	6.212974	6.212974	FALSE	8.53911147	8.246296	FALSE	764.15	280	0.03228	0.0000406
5481604176040	548160	4176040	8.269727	8.269727	6.906043	6.906043	FALSE	9.4916655	8.269727	FALSE	762.47	280	0.03228	0.0000406
5481804176040	548180	4176040	8.260188	8.260188	7.150046	7.150046	FALSE	9.82702322	8.260188	FALSE	761.31	280	0.03228	0.0000406
5482004176040	548200	4176040	8.233008	8.233008	6.903265	6.903265	FALSE	9.48784742	8.233008	FALSE	760.67	280	0.03228	0.0000406
5482204176040	548220	4176040	8.228056	8.228056	7.030783	7.030783	FALSE	9.66310816	8.228056	FALSE	760.56	280	0.03228	0.0000406
5482404176040	548240	4176040	8.224773	8.224773	7.081059	7.081059	FALSE	9.73220749	8.224773	FALSE	760.98	280	0.03228	0.0000406
5482604176040	548260	4176040	8.224044	8.224044	7.234664	7.234664	FALSE	9.9433222	8.224044	FALSE	761.92	280	0.03228	0.0000406
5482804176040	548280	4176040	8.224145	8.224145	7.392987	7.392987	FALSE	10.1609213	8.224145	FALSE	763.38	280	0.03228	0.0000406
5483004176040	548300	4176040	8.22486	8.22486	7.557075	7.557075	FALSE	10.3864439	8.22486	FALSE	765.37	280	0.03228	0.0000406
5483204176040	548320	4176040	8.228145	8.228145	7.866107	7.866107	FALSE	10.8111775	8.228145	FALSE	767.87	280	0.03228	0.0000406
5483404176040	548340	4176040	8.233938	8.233938	8.358376	8.358376	FALSE	11.487752	8.233938	FALSE	770.88	280	0.03228	0.0000406
5483604176040	548360	4176040	8.237609	8.237609	8.53863	8.53863	FALSE	11.7354931	8.237609	FALSE	774.40	280	0.03228	0.0000406
5483804176040	548380	4176040	8.251194	8.251194	9.492018	9.492018	FALSE	13.0458295	8.251194	FALSE	778.41	280	0.03228	0.0000406
5484004176040	548400	4176040	8.243979	8.243979	8.911833	8.911833	FALSE	12.2484233	8.243979	FALSE	782.92	280	0.03228	0.0000406
5484204176040	548420	4176040	8.245231	8.245231	8.895753	8.895753	FALSE	12.2263229	8.245231	FALSE	787.90	280	0.03228	0.0000406
5484404176040	548440	4176040	8.246237	8.246237	8.905312	8.905312	FALSE	12.2394608	8.246237	FALSE	793.36	280	0.03228	0.0000406
5484604176040	548460	4176040	8.247563	8.247563	8.929722	8.929722	FALSE	12.2730099	8.247563	FALSE	799.28	280	0.03228	0.0000406
5484804176040	548480	4176040	8.245055	8.245055	8.799446	8.799446	FALSE	12.0939586	8.245055	FALSE	805.66	280	0.03228	0.0000406
5485004176040	548500	4176040	8.244366	8.244366	8.759407	8.759407	FALSE	12.038929	8.244366	FALSE	812.48	280	0.03228	0.0000406
5485204176040	548520	4176040	8.244209	8.244209	8.771019	8.771019	FALSE	12.0548885	8.244209	FALSE	819.73	280	0.03228	0.0000406
5485404176040	548540	4176040	8.246637	8.246637	8.916013	8.916013	FALSE	12.2541683	8.246637	FALSE	827.40	280	0.03228	0.0000406
5485604176040	548560	4176040	8.2523	8.2523	9.217549	9.217549	FALSE	12.6685993	8.2523	FALSE	835.48	280	0.03228	0.0000406
5485804176040	548580	4176040	8.260265	8.260265	9.626491	9.626491	FALSE	13.2306492	8.260265	FALSE	843.95	280	0.03228	0.0000406
5486004176040	548600	4176040	8.262657	8.262657	9.794117	9.794117	FALSE	13.4610344	8.262657	FALSE	852.81	280	0.03228	0.0000406
5486204176040	548620	4176040	8.26358	8.26358	9.896517	9.896517	FALSE	13.601773	8.26358	FALSE	862.05	280	0.03228	0.0000406
5486404176040	548640	4176040	8.263797	8.263797	9.9427	9.9427	FALSE	13.6652469	8.263797	FALSE	871.64	280	0.03228	0.0000406
5486604176040	548660	4176040	8.261804	8.261804	9.857404	9.857404	FALSE	13.5480161	8.261804	FALSE	881.58	280	0.03228	0.0000406
5486804176040	548680	4176040	8.264276	8.264276	9.969644	9.969644	FALSE	13.7022787	8.264276	FALSE	891.86	280	0.03228	0.0000406
5487004176040	548700	4176040	8.273452	8.273452	10.36464	10.36464	FALSE	14.2451626	8.273452	FALSE	902.47	280	0.03228	0.0000406
5487204176040	548720	4176040	8.283366	8.283366	10.75489	10.75489	FALSE	14.7815181	8.283366	FALSE	913.39	280	0.03228	0.0000406
5487404176040	548740	4176040	8.290852	8.290852	11.01997	11.01997	FALSE	15.1458454	8.290852	FALSE	924.62	280	0.03228	0.0000406
5487604176040	548760	4176040	8.296667	8.296667	11.21477	11.21477	FALSE	15.4135771	8.296667	FALSE	936.14	280	0.03228	0.0000406
5487804176040	548780	4176040	8.305375	8.305375	11.49298	11.49298	FALSE	15.7959476	8.305375	FALSE	947.94	280	0.03228	0.0000406
5488004176040	548800	4176040	8.321494	8.321494	12.04819	12.04819	FALSE	16.5590268	8.321494	FALSE	960.01	280	0.03228	0.0000406
5488204176040	548820	4176040	8.349088	8.349088	13.00109	13.00109	FALSE	17.868694	8.349088	FALSE	972.35	280	0.03228	0.0000406
5488404176040	548840	4176040	8.364662	8.364662	13.54418	13.54418	FALSE	18.6151155	8.364662	FALSE	984.93	280	0.03228	0.0000406
5488604176040	548860	4176040	8.378952	8.378952	14.04318	14.04318	FALSE	19.3009411	8.378952	FALSE	997.76	280	0.03228	0.0000406
5488804176040	548880	4176040	8.39208	8.39208	14.50792	14.50792	FALSE	19.9396811	8.39208	FALSE	1010.82	280	0.03228	0.0000406
5489004176040	548900	4176040	8.406179	8.406179	14.96617	14.96617	FALSE	20.5694972	8.406179	FALSE	1024.10	280	0.03228	0.0000406
5489204176040	548920	4176040	8.425728	8.425728	15.5982	15.5982	FALSE	21.4381702	8.425728	FALSE	1037.60	280	0.03228	0.0000406
5489404176040	548940	4176040	8.452143	8.452143	16.43745	16.43745	FALSE	22.5916368	8.452143	FALSE	1051.31	280	0.03228	0.0000406
5489604176040	548960	4176040	8.46693	8.46693	16.862	16.862	FALSE	23.1751301	8.46693	FALSE	1065.22	280	0.03228	0.0000406
5489804176040	548980	4176040	8.483818	8.483818	17.39843	17.39843	FALSE	23.9124022	8.483818	FALSE	1079.32	280	0.03228	0.0000406
5490004176040	549000	4176040	8.502807	8.502807	18.0367	18.0367	FALSE	24.7896336	8.502807	FALSE	1093.60	280	0.03228	0.0000406
5490204176040	549020	4176040	8.526015	8.526015	18.8835	18.8835	FALSE	25.9534769	8.526015	FALSE	1108.06	280	0.03228	0.0000406
5490404176040	549040	4176040	8.538655	8.538655	19.34997	19.34997	FALSE	26.5945933	8.538655	FALSE	1122.69	280	0.03228	0.0000406
5490604176040	549060	4176040	8.539564	8.539564	19.41721	19.41721	FALSE	26.6870093	8.539564	FALSE	1137.48	280	0.03228	0.0000406
5470004176060	547000	4176060	8.207794	8.207794	4.922898	4.922898	FALSE	6.76603101	8.207794	FALSE	1443.42	280	0.03228	0.0000406
5470204176060	547020	4176060	8.200012	8.200012	4.611308	4.611308	FALSE	6.33778172	8.200012	FALSE	1426.63	280	0.03228	0.0000406
5470404176060	547040	4176060	8.198129	8.198129	4.513272	4.513272	FALSE	6.20304104	8.198129	FALSE	1409.93	280	0.03228	0.0000406
5470604176060	547060	4176060	8.194116	8.194116	4.349618	4.349618	FALSE	5.97811498	8.194116	FALSE	1393.32	280	0.03228	0.0000406
5470804176060	547080	4176060	8.188903	8.188903	4.153741	4.153741	FALSE	5.70890163	8.188903	FALSE	1376.80	280	0.03228	0.0000406
5471004176060	547100	4176060	8.189863	8.189863	4.149679	4.149679	FALSE	5.70331882	8.189863	FALSE	1360.37	280	0.03228	0.0000406
5471204176060	547120	4176060	8.191413	8.191413	4.161353	4.161353	FALSE	5.71936356	8.191413	FALSE	1344.04	280	0.03228	0.0000406
5471404176060	547140	4176060	8.193808	8.193808	4.190828	4.190828	FALSE	5.759874	8.193808	FALSE	1327.81	280	0.03228	0.0000406
5471604176060	547160	4176060	8.200568	8.200568	4.314237	4.314237	FALSE	5.92948733	8.200568	FALSE	1311.68	280	0.03228	0.0000406
5471804176060	547180	4176060	8.218415	8.218415	4.659768	4.659768	FALSE	6.40438514	8.218415	FALSE	1295.66	280	0.03228	0.0000406
5472004176060	547200	4176060	8.230066	8.230066	4.853619	4.853619	FALSE	6.67081395	8.230066	FALSE	1279.76	280	0.03228	0.0000406
5472204176060	547220	4176060	8.221522	8.221522	4.710866	4.710866	FALSE	6.47461423	8.221522	FALSE	1263.97	280	0.03228	0.0000406
5472404176060	547240	4176060	8.213161	8.213161	4.610757	4.610757	FALSE	6.33702442	8.213161	FALSE	1248.30	280	0.03228	0.0000406
5472604176060	547260	4176060	8.221532	8.221532	4.947778	4.947778	FALSE	6.80022608	8.221532	FALSE	1232.75	280	0.03228	0.0000406
5472804176060	547280	4176060	8.243969	8.243969	5.636576	5.636576	FALSE	7.74691005	8.243969	FALSE	1217.34	280	0.03228	0.0000406
5473004176060	547300	4176060	8.284076	8.284076	6.825125	6.825125	FALSE	9.3804518	8.284076	FALSE	1202.06	280	0.03228	0.0000406
5473204176060	547320	4176060	8.286107	8.286107	6.825646	6.825646	FALSE	9.38116786	8.286107	FALSE	1186.92	280	0.03228	0.0000406
5473404176060	547340	4176060	8.236716	8.236716	5.355425	5.355425	FALSE	7.36049612	8.236716	FALSE	1171.93	280	0.03228	0.0000406
5473604176060	547360	4176060	8.19547	8.19547	4.123517	4.123517	FALSE	5.66736176	8.19547	FALSE	1157.09	280	0.03228	0.0000406
5473804176060	547380	4176060	8.179416	8.179416	3.642091	3.642091	FALSE	5.00568987	8.179416	FALSE	1142.40	280	0.03228	0.0000406
5474004176060	547400	4176060	8.167329	8.167329	3.269344	3.269344	FALSE	4.49338639	8.167329	FALSE	1127.88	280	0.03228	0.0000406
5474204176060	547420	4176060	8.158081	8.158081	2.986329	2.986329	FALSE	4.10441058	8.158081	FALSE	1113.53	280	0.03228	0.0000406

5474404176060	547440	4176060	8.151566	8.151566	2.792275	2.792275	FALSE	3.83770276	8.151566	FALSE	1099.35	280	0.03228	0.0000406
5474604176060	547460	4176060	8.152677	8.152677	2.825261	2.825261	FALSE	3.88303872	8.152677	FALSE	1085.36	280	0.03228	0.0000406
5474804176060	547480	4176060	8.159092	8.159092	3.028314	3.028314	FALSE	4.16211476	8.159092	FALSE	1071.56	280	0.03228	0.0000406
5475004176060	547500	4176060	8.17182	8.17182	3.426811	3.426811	FALSE	4.70980904	8.17182	FALSE	1057.96	280	0.03228	0.0000406
5475204176060	547520	4176060	8.202099	8.202099	4.389321	4.389321	FALSE	6.03268278	8.202099	FALSE	1044.56	280	0.03228	0.0000406
5475404176060	547540	4176060	8.276121	8.276121	6.734597	6.734597	FALSE	9.25603012	8.276121	FALSE	1031.38	280	0.03228	0.0000406
5475604176060	547560	4176060	8.341887	8.341887	8.793516	8.793516	FALSE	12.0858084	8.341887	FALSE	1018.42	280	0.03228	0.0000406
5475804176060	547580	4176060	8.311045	8.311045	7.820602	7.820602	FALSE	10.7486354	8.311045	FALSE	1005.69	280	0.03228	0.0000406
5476004176060	547600	4176060	8.251435	8.251435	5.935905	5.935905	FALSE	8.15830783	8.251435	FALSE	993.20	280	0.03228	0.0000406
5476204176060	547620	4176060	8.230731	8.230731	5.274929	5.274929	FALSE	7.24986242	8.230731	FALSE	980.96	280	0.03228	0.0000406
5476404176060	547640	4176060	8.2266	8.2266	5.129027	5.129027	FALSE	7.04933471	8.2266	FALSE	968.98	280	0.03228	0.0000406
5476604176060	547660	4176060	8.228779	8.228779	5.172062	5.172062	FALSE	7.10848201	8.228779	FALSE	957.26	280	0.03228	0.0000406
5476804176060	547680	4176060	8.236063	8.236063	5.356284	5.356284	FALSE	7.36167673	8.236063	FALSE	945.82	280	0.03228	0.0000406
5477004176060	547700	4176060	8.243607	8.243607	5.531737	5.531737	FALSE	7.60281933	8.243607	FALSE	934.67	280	0.03228	0.0000406
5477204176060	547720	4176060	8.257164	8.257164	5.833238	5.833238	FALSE	8.01720231	8.257164	FALSE	923.82	280	0.03228	0.0000406
5477404176060	547740	4176060	8.284517	8.284517	6.411495	6.411495	FALSE	8.81195873	8.284517	FALSE	913.28	280	0.03228	0.0000406
5477604176060	547760	4176060	8.276225	8.276225	6.201003	6.201003	FALSE	8.52265852	8.276225	FALSE	903.06	280	0.03228	0.0000406
5477804176060	547780	4176060	8.273042	8.273042	6.114109	6.114109	FALSE	8.40323141	8.273042	FALSE	893.17	280	0.03228	0.0000406
5478004176060	547800	4176060	8.281783	8.281783	6.251322	6.251322	FALSE	8.59181696	8.281783	FALSE	883.62	280	0.03228	0.0000406
5478204176060	547820	4176060	8.308984	8.308984	6.746359	6.746359	FALSE	9.27219581	8.308984	FALSE	874.42	280	0.03228	0.0000406
5478404176060	547840	4176060	8.335648	8.335648	7.248369	7.248369	FALSE	9.96215835	8.335648	FALSE	865.59	280	0.03228	0.0000406
5478604176060	547860	4176060	8.278148	8.278148	6.116195	6.116195	FALSE	8.40609841	8.278148	FALSE	857.13	280	0.03228	0.0000406
5478804176060	547880	4176060	8.255883	8.255883	5.66341	5.66341	FALSE	7.7837907	8.255883	FALSE	849.07	280	0.03228	0.0000406
5479004176060	547900	4176060	8.250067	8.250067	5.556433	5.556433	FALSE	7.63676152	8.250067	FALSE	841.40	280	0.03228	0.0000406
5479204176060	547920	4176060	8.257493	8.257493	5.744582	5.744582	FALSE	7.8953535	8.257493	FALSE	834.13	280	0.03228	0.0000406
5479404176060	547940	4176060	8.25858	8.25858	5.792124	5.792124	FALSE	7.96069523	8.25858	FALSE	827.29	280	0.03228	0.0000406
5479604176060	547960	4176060	8.247468	8.247468	5.582613	5.582613	FALSE	7.67274331	8.247468	FALSE	820.88	280	0.03228	0.0000406
5479804176060	547980	4176060	8.249186	8.249186	5.528904	5.528904	FALSE	7.59892566	8.249186	FALSE	814.91	280	0.03228	0.0000406
5480004176060	548000	4176060	8.265702	8.265702	5.897987	5.897987	FALSE	8.10619333	8.265702	FALSE	809.39	280	0.03228	0.0000406
5480204176060	548020	4176060	8.267788	8.267788	6.013509	6.013509	FALSE	8.26496677	8.267788	FALSE	804.33	280	0.03228	0.0000406
5480404176060	548040	4176060	8.252137	8.252137	5.781559	5.781559	FALSE	7.94617469	8.252137	FALSE	799.74	280	0.03228	0.0000406
5480604176060	548060	4176060	8.248947	8.248947	5.810249	5.810249	FALSE	7.98560623	8.248947	FALSE	795.62	280	0.03228	0.0000406
5480804176060	548080	4176060	8.253102	8.253102	6.018648	6.018648	FALSE	8.27202981	8.253102	FALSE	791.99	280	0.03228	0.0000406
5481004176060	548100	4176060	8.247825	8.247825	5.967035	5.967035	FALSE	8.2010929	8.247825	FALSE	788.85	280	0.03228	0.0000406
5481204176060	548120	4176060	8.243128	8.243128	5.915264	5.915264	FALSE	8.12993884	8.243128	FALSE	786.20	280	0.03228	0.0000406
5481404176060	548140	4176060	8.24907	8.24907	6.170613	6.170613	FALSE	8.48089051	8.24907	FALSE	784.06	280	0.03228	0.0000406
5481604176060	548160	4176060	8.275038	8.275038	6.909848	6.909848	FALSE	9.49689509	8.275038	FALSE	782.42	280	0.03228	0.0000406
5481804176060	548180	4176060	8.263921	8.263921	7.098779	7.098779	FALSE	9.75656186	8.263921	FALSE	781.29	280	0.03228	0.0000406
5482004176060	548200	4176060	8.23708	8.23708	6.833409	6.833409	FALSE	9.39183733	8.23708	FALSE	780.67	280	0.03228	0.0000406
5482204176060	548220	4176060	8.231741	8.231741	6.911886	6.911886	FALSE	9.49969612	8.231741	FALSE	780.56	280	0.03228	0.0000406
5482404176060	548240	4176060	8.230145	8.230145	7.06687	7.06687	FALSE	9.71270613	8.230145	FALSE	780.97	280	0.03228	0.0000406
5482604176060	548260	4176060	8.229925	8.229925	7.254536	7.254536	FALSE	9.97063428	8.229925	FALSE	781.89	280	0.03228	0.0000406
5482804176060	548280	4176060	8.229495	8.229495	7.38188	7.38188	FALSE	10.1456559	8.229495	FALSE	783.31	280	0.03228	0.0000406
5483004176060	548300	4176060	8.231088	8.231088	7.6195	7.6195	FALSE	10.4722408	8.231088	FALSE	785.25	280	0.03228	0.0000406
5483204176060	548320	4176060	8.234743	8.234743	7.973619	7.973619	FALSE	10.958942	8.234743	FALSE	787.68	280	0.03228	0.0000406
5483404176060	548340	4176060	8.240314	8.240314	8.474082	8.474082	FALSE	11.6467783	8.240314	FALSE	790.62	280	0.03228	0.0000406
5483604176060	548360	4176060	8.260088	8.260088	9.992661	9.992661	FALSE	13.7339133	8.260088	FALSE	794.05	280	0.03228	0.0000406
5483804176060	548380	4176060	8.256533	8.256533	9.554212	9.554212	FALSE	13.131309	8.256533	FALSE	797.96	280	0.03228	0.0000406
5484004176060	548400	4176060	8.250661	8.250661	9.060552	9.060552	FALSE	12.4528227	8.250661	FALSE	802.36	280	0.03228	0.0000406
5484204176060	548420	4176060	8.250003	8.250003	8.951391	8.951391	FALSE	12.3027918	8.250003	FALSE	807.22	280	0.03228	0.0000406
5484404176060	548440	4176060	8.250201	8.250201	8.935995	8.935995	FALSE	12.2816315	8.250201	FALSE	812.55	280	0.03228	0.0000406
5484604176060	548460	4176060	8.251824	8.251824	8.988015	8.988015	FALSE	12.3531278	8.251824	FALSE	818.34	280	0.03228	0.0000406
5484804176060	548480	4176060	8.251048	8.251048	8.948053	8.948053	FALSE	12.298204	8.251048	FALSE	824.57	280	0.03228	0.0000406
5485004176060	548500	4176060	8.250728	8.250728	8.937301	8.937301	FALSE	12.2834265	8.250728	FALSE	831.23	280	0.03228	0.0000406
5485204176060	548520	4176060	8.249523	8.249523	8.918635	8.918635	FALSE	12.2577719	8.249523	FALSE	838.32	280	0.03228	0.0000406
5485404176060	548540	4176060	8.256256	8.256256	9.304673	9.304673	FALSE	12.7883426	8.256256	FALSE	845.82	280	0.03228	0.0000406
5485604176060	548560	4176060	8.263663	8.263663	9.764303	9.764303	FALSE	13.420058	8.263663	FALSE	853.72	280	0.03228	0.0000406
5485804176060	548580	4176060	8.269811	8.269811	10.16472	10.16472	FALSE	13.9703843	8.269811	FALSE	862.02	280	0.03228	0.0000406
5486004176060	548600	4176060	8.272016	8.272016	10.33966	10.33966	FALSE	14.2108328	8.272016	FALSE	870.70	280	0.03228	0.0000406
5486204176060	548620	4176060	8.272018	8.272018	10.38607	10.38607	FALSE	14.2746146	8.272018	FALSE	879.74	280	0.03228	0.0000406
5486404176060	548640	4176060	8.271341	8.271341	10.37444	10.37444	FALSE	14.258629	8.271341	FALSE	889.14	280	0.03228	0.0000406
5486604176060	548660	4176060	8.270546	8.270546	10.33208	10.33208	FALSE	14.2004053	8.270546	FALSE	898.89	280	0.03228	0.0000406
5486804176060	548680	4176060	8.273932	8.273932	10.48958	10.48958	FALSE	14.4168788	8.273932	FALSE	908.98	280	0.03228	0.0000406
5487004176060	548700	4176060	8.283806	8.283806	10.93069	10.93069	FALSE	15.0231445	8.283806	FALSE	919.39	280	0.03228	0.0000406
5487204176060	548720	4176060	8.2902	8.2902	11.19502	11.19502	FALSE	15.3864341	8.2902	FALSE	930.11	280	0.03228	0.0000406
5487404176060	548740	4176060	8.296479	8.296479	11.45	11.45	FALSE	15.7368841	8.296479	FALSE	941.14	280	0.03228	0.0000406
5487604176060	548760	4176060	8.303247	8.303247	11.72882	11.72882	FALSE	16.1200875	8.303247	FALSE	952.46	280	0.03228	0.0000406
5487804176060	548780	4176060	8.309038	8.309038	11.92872	11.92872	FALSE	16.3948259	8.309038	FALSE	964.06	280	0.03228	0.0000406
5488004176060	548800	4176060	8.316087	8.316087	12.15749	12.15749	FALSE	16.7092556	8.316087	FALSE	975.93	280	0.03228	0.0000406
5488204176060	548820	4176060	8.327597	8.327597	12.53232	12.53232	FALSE	17.2244151	8.327597	FALSE	988.07	280	0.03228	0.0000406
5488404176060	548840	4176060	8.348758	8.348758	13.27964	13.27964	FALSE	18.2515331	8.348758	FALSE	1000.46	280	0.03228	0.0000406
5488604176060	548860	4176060	8.368116	8.368116	13.97639	13.97639	FALSE	19.2091559	8.368116	FALSE	1013.09	280	0.03228	0.0000406
5488804176060	548880	4176060	8.383049	8.383049	14.51413	14.51413	FALSE	19.9482134	8.383049	FALSE	1025.95	280	0.03228	0.0000406
5489004176060	548900	4176060	8.403886	8.403886	15.20533	15.20533	FALSE	20.8982056	8.403886	FALSE	1039.04	280	0.03228	0.0000406
5489204176060	548920	4176060	8.421465	8.421465	15.7393	15.7393	FALSE	21.6320939	8.421465	FALSE	1052.35	280	0.03228	0.0000406
5489404176060	548940	4176060	8.435836	8.435836	16.11813	16.11813	FALSE	22.1527606	8.435836	FALSE	1065.87	280	0.03228	0.0000406
5489604176060	548960	4176060	8.443444	8.443444	16.21836	16.21836	FALSE	22.2905195	8.443444	FALSE	1079.59	280	0.03228	0.0000406
5489804176060	548980	4176060	8.452614	8.452614	16.40056	16.40056	FALSE	22.5409228	8.452614	FALSE	1093.50	280	0.03228	0.0000406
5490004176060	549000	4176060	8.462776	8.462776	16.66961	16.66961	FALSE	22.9107079	8.462776	FALSE	1107.60	280	0.03228	0.0000406
5490204176060	549020	4176060	8.481459	8.481459	17.32716	17.32716	FALSE	23.8144446	8.481459	FALSE	1121.88	280	0.03228	0.0000406
5490404176060	549040	4176060	8.490817	8.490817	17.67197	17.67197	FALSE	24.2883501	8.490817	FALSE	1136.33	280	0.03228	0.0000406
5490604176060	549060	4176060	8.489103	8.489103	17.65269	17.65269	FALSE	24.2618585	8.489103	FALSE	1150.95	280	0.03228	0.0000406
5470204176080	547020	4176080	8.196374	8.196374	4.526036	4.526036	FALSE	6.22058388	8.196374	FALSE	1437.67	280	0.03228	0.0000406
5470404176080	547040	4176080	8.193792	8.193792	4.405416	4.405416	FALSE	6.05480375	8.193792	FALSE	1421.10	280	0.03228	0.0000406
5470604176080	547060	4176080	8.189771	8.189771	4.242217	4.242217	FALSE	5.83050304	8.189771	FALSE	1404.62	280	0.03228	0.0000406
5470804176080	547080	4176080	8.185224	8.185224	4.067911	4.067911	FALSE	5.59093688	8.185224	FALSE	1388.24	280	0.03228	0.0000406
5471004176080	547100	4176080	8.186606	8.186606	4.076384	4.076384	FALSE	5.60258217	8.186606	FALSE	1371.95	280	0.03228	0.0000406
5471204176080	547120	4176080	8.189139	8.189139	4.116966	4.116966	FALSE	5.65835807	8.189139	FALSE	1355.75	280	0.03228	0.0000406
5471404176080	547140	4176080	8.193068	8.193068	4.189849	4.189849	FALSE	5.75852847	8.193068	FALSE	1339.66	280	0.03228	0.0000406
5471604176080	547160	4176080	8.200565	8.200565	4.331488	4.331488	FALSE	5.95319711	8.200565	FALSE	1323.68	280	0.03228	0.0000406
5471804176080	547180	4176080	8.218876	8.218876	4.692237	4.692237	FALSE	6.44901053	8.218876	FALSE	1307.81	280	0.03228	0.0000406
5472004176080	547200	4176080	8.237262	8.237262	5.018652	5.018652	FALSE	6.89763531	8.237262	FALSE	1292.05	280	0.03228	0.0000406
5472204176080	547220	4176080	8.219118	8.219118	4.727858	4.727858	FALSE	6.49796804	8.219118	FALSE	1276.42	280	0.03228	0.0000406
5472404176080	547240	4176080	8.218638	8.218638	4.817826	4.817826	FALSE	6.62162005	8.218638	FALSE	1260.90	280	0.03228	0.0000406

5472604176080	547260	4176080	8.239034	8.239034	5.512999	5.512999	FALSE	7.57706583	8.239034	FALSE	1245.51	280	0.03228	0.0000406
5472804176080	547280	4176080	8.28243	8.28243	6.792435	6.792435	FALSE	9.33552266	8.28243	FALSE	1230.26	280	0.03228	0.0000406
5473004176080	547300	4176080	8.30621	8.30621	7.440867	7.440867	FALSE	10.2267276	8.30621	FALSE	1215.14	280	0.03228	0.0000406
5473204176080	547320	4176080	8.207329	8.207329	4.506851	4.506851	FALSE	6.19421601	8.207329	FALSE	1200.17	280	0.03228	0.0000406
5473404176080	547340	4176080	8.181104	8.181104	3.717415	3.717415	FALSE	5.10921518	8.181104	FALSE	1185.34	280	0.03228	0.0000406
5473604176080	547360	4176080	8.167569	8.167569	3.305568	3.305568	FALSE	4.54317266	8.167569	FALSE	1170.67	280	0.03228	0.0000406
5473804176080	547380	4176080	8.159821	8.159821	3.074641	3.074641	FALSE	4.22578659	8.159821	FALSE	1156.16	280	0.03228	0.0000406
5474004176080	547400	4176080	8.149295	8.149295	2.746639	2.746639	FALSE	3.77498064	8.149295	FALSE	1141.81	280	0.03228	0.0000406
5474204176080	547420	4176080	8.142103	8.142103	2.523589	2.523589	FALSE	3.46842072	8.142103	FALSE	1127.64	280	0.03228	0.0000406
5474404176080	547440	4176080	8.139358	8.139358	2.439774	2.439774	FALSE	3.35322539	8.139358	FALSE	1113.64	280	0.03228	0.0000406
5474604176080	547460	4176080	8.140138	8.140138	2.45981	2.45981	FALSE	3.38076286	8.140138	FALSE	1099.83	280	0.03228	0.0000406
5474804176080	547480	4176080	8.143233	8.143233	2.556155	2.556155	FALSE	3.51317943	8.143233	FALSE	1086.22	280	0.03228	0.0000406
5475004176080	547500	4176080	8.148396	8.148396	2.709519	2.709519	FALSE	3.72396291	8.148396	FALSE	1072.80	280	0.03228	0.0000406
5475204176080	547520	4176080	8.161577	8.161577	3.120104	3.120104	FALSE	4.28827094	8.161577	FALSE	1059.59	280	0.03228	0.0000406
5475404176080	547540	4176080	8.180201	8.180201	3.698711	3.698711	FALSE	5.0835084	8.180201	FALSE	1046.60	280	0.03228	0.0000406
5475604176080	547560	4176080	8.213873	8.213873	4.754852	4.754852	FALSE	6.53506859	8.213873	FALSE	1033.83	280	0.03228	0.0000406
5475804176080	547580	4176080	8.272985	8.272985	6.646878	6.646878	FALSE	9.13546912	8.272985	FALSE	1021.29	280	0.03228	0.0000406
5476004176080	547600	4176080	8.285224	8.285224	7.051733	7.051733	FALSE	9.69190184	8.285224	FALSE	1008.99	280	0.03228	0.0000406
5476204176080	547620	4176080	8.29995	8.29995	7.49676	7.49676	FALSE	10.3035469	8.29995	FALSE	996.95	280	0.03228	0.0000406
5476404176080	547640	4176080	8.334687	8.334687	8.60689	8.60689	FALSE	11.8293096	8.334687	FALSE	985.16	280	0.03228	0.0000406
5476604176080	547660	4176080	8.321944	8.321944	8.168016	8.168016	FALSE	11.2261212	8.321944	FALSE	973.64	280	0.03228	0.0000406
5476804176080	547680	4176080	8.280915	8.280915	6.857843	6.857843	FALSE	9.42541942	8.280915	FALSE	962.39	280	0.03228	0.0000406
5477004176080	547700	4176080	8.333014	8.333014	8.475049	8.475049	FALSE	11.6481073	8.333014	FALSE	951.44	280	0.03228	0.0000406
5477204176080	547720	4176080	8.29831	8.29831	7.278409	7.278409	FALSE	10.0034453	8.29831	FALSE	940.78	280	0.03228	0.0000406
5477404176080	547740	4176080	8.361026	8.361026	9.095746	9.095746	FALSE	12.5011933	8.361026	FALSE	930.43	280	0.03228	0.0000406
5477604176080	547760	4176080	8.349156	8.349156	8.475473	8.475473	FALSE	11.6486901	8.349156	FALSE	920.40	280	0.03228	0.0000406
5477804176080	547780	4176080	8.339082	8.339082	8.009863	8.009863	FALSE	11.0087557	8.339082	FALSE	910.70	280	0.03228	0.0000406
5478004176080	547800	4176080	8.328215	8.328215	7.606318	7.606318	FALSE	10.4541235	8.328215	FALSE	901.33	280	0.03228	0.0000406
5478204176080	547820	4176080	8.345256	8.345256	7.782475	7.782475	FALSE	10.6962336	8.345256	FALSE	892.32	280	0.03228	0.0000406
5478404176080	547840	4176080	8.306558	8.306558	6.945141	6.945141	FALSE	9.54540179	8.306558	FALSE	883.67	280	0.03228	0.0000406
5478604176080	547860	4176080	8.284435	8.284435	6.454881	6.454881	FALSE	8.87158845	8.284435	FALSE	875.39	280	0.03228	0.0000406
5478804176080	547880	4176080	8.27275	8.27275	6.196978	6.196978	FALSE	8.51712656	8.27275	FALSE	867.49	280	0.03228	0.0000406
5479004176080	547900	4176080	8.270853	8.270853	6.154253	6.154253	FALSE	8.45840532	8.270853	FALSE	859.98	280	0.03228	0.0000406
5479204176080	547920	4176080	8.289757	8.289757	6.558966	6.558966	FALSE	9.01464287	8.289757	FALSE	852.88	280	0.03228	0.0000406
5479404176080	547940	4176080	8.263391	8.263391	5.996916	5.996916	FALSE	8.24216135	8.263391	FALSE	846.19	280	0.03228	0.0000406
5479604176080	547960	4176080	8.25914	8.25914	5.905812	5.905812	FALSE	8.11694801	8.25914	FALSE	839.92	280	0.03228	0.0000406
5479804176080	547980	4176080	8.265077	8.265077	5.913422	5.913422	FALSE	8.1274072	8.265077	FALSE	834.09	280	0.03228	0.0000406
5480004176080	548000	4176080	8.264705	8.264705	5.918818	5.918818	FALSE	8.13482346	8.264705	FALSE	828.69	280	0.03228	0.0000406
5480204176080	548020	4176080	8.265361	8.265361	5.978303	5.978303	FALSE	8.21657964	8.265361	FALSE	823.75	280	0.03228	0.0000406
5480404176080	548040	4176080	8.254728	8.254728	5.808364	5.808364	FALSE	7.98301548	8.254728	FALSE	819.27	280	0.03228	0.0000406
5480604176080	548060	4176080	8.2533	8.2533	5.863965	5.863965	FALSE	8.0594335	8.2533	FALSE	815.25	280	0.03228	0.0000406
5480804176080	548080	4176080	8.255069	8.255069	5.998402	5.998402	FALSE	8.24420371	8.255069	FALSE	811.71	280	0.03228	0.0000406
5481004176080	548100	4176080	8.24918	8.24918	5.921594	5.921594	FALSE	8.13863879	8.24918	FALSE	808.64	280	0.03228	0.0000406
5481204176080	548120	4176080	8.248559	8.248559	5.989648	5.989648	FALSE	8.23217221	8.248559	FALSE	806.06	280	0.03228	0.0000406
5481404176080	548140	4176080	8.255669	8.255669	6.278207	6.278207	FALSE	8.6287677	8.255669	FALSE	803.97	280	0.03228	0.0000406
5481604176080	548160	4176080	8.259983	8.259983	6.55552	6.55552	FALSE	9.00990669	8.259983	FALSE	802.37	280	0.03228	0.0000406
5481804176080	548180	4176080	8.269731	8.269731	7.114457	7.114457	FALSE	9.7781097	8.269731	FALSE	801.27	280	0.03228	0.0000406
5482004176080	548200	4176080	8.243644	8.243644	6.856256	6.856256	FALSE	9.42323825	8.243644	FALSE	800.67	280	0.03228	0.0000406
5482204176080	548220	4176080	8.239221	8.239221	6.989413	6.989413	FALSE	9.60624923	8.239221	FALSE	800.56	280	0.03228	0.0000406
5482404176080	548240	4176080	8.236719	8.236719	7.075474	7.075474	FALSE	9.72453147	8.236719	FALSE	800.96	280	0.03228	0.0000406
5482604176080	548260	4176080	8.236136	8.236136	7.240609	7.240609	FALSE	9.95149301	8.236136	FALSE	801.85	280	0.03228	0.0000406
5482804176080	548280	4176080	8.236197	8.236197	7.405234	7.405234	FALSE	10.1777536	8.236197	FALSE	803.24	280	0.03228	0.0000406
5483004176080	548300	4176080	8.238737	8.238737	7.705675	7.705675	FALSE	10.5906797	8.238737	FALSE	805.13	280	0.03228	0.0000406
5483204176080	548320	4176080	8.243999	8.243999	8.1736	8.1736	FALSE	11.2337958	8.243999	FALSE	807.51	280	0.03228	0.0000406
5483404176080	548340	4176080	8.25299	8.25299	8.942063	8.942063	FALSE	12.2899714	8.25299	FALSE	810.37	280	0.03228	0.0000406
5483604176080	548360	4176080	8.279339	8.279339	10.91445	10.91445	FALSE	15.000816	8.279339	FALSE	813.72	280	0.03228	0.0000406
5483804176080	548380	4176080	8.270362	8.270362	10.16255	10.16255	FALSE	13.967406	8.270362	FALSE	817.54	280	0.03228	0.0000406
5484004176080	548400	4176080	8.257832	8.257832	9.245004	9.245004	FALSE	12.7063335	8.257832	FALSE	821.83	280	0.03228	0.0000406
5484204176080	548420	4176080	8.253872	8.253872	8.951309	8.951309	FALSE	12.3026791	8.253872	FALSE	826.58	280	0.03228	0.0000406
5484404176080	548440	4176080	8.252502	8.252502	8.865281	8.865281	FALSE	12.1844422	8.252502	FALSE	831.78	280	0.03228	0.0000406
5484604176080	548460	4176080	8.253681	8.253681	8.922045	8.922045	FALSE	12.2624586	8.253681	FALSE	837.44	280	0.03228	0.0000406
5484804176080	548480	4176080	8.252713	8.252713	8.886906	8.886906	FALSE	12.2141636	8.252713	FALSE	843.52	280	0.03228	0.0000406
5485004176080	548500	4176080	8.25285	8.25285	8.907783	8.907783	FALSE	12.242857	8.25285	FALSE	850.04	280	0.03228	0.0000406
5485204176080	548520	4176080	8.252967	8.252967	8.961919	8.961919	FALSE	12.3172615	8.252967	FALSE	856.97	280	0.03228	0.0000406
5485404176080	548540	4176080	8.264113	8.264113	9.609843	9.609843	FALSE	13.2077682	8.264113	FALSE	864.31	280	0.03228	0.0000406
5485604176080	548560	4176080	8.286208	8.286208	11.07962	11.07962	FALSE	15.2278297	8.286208	FALSE	872.05	280	0.03228	0.0000406
5485804176080	548580	4176080	8.306884	8.306884	12.86078	12.86078	FALSE	17.6758505	8.306884	FALSE	880.17	280	0.03228	0.0000406
5486004176080	548600	4176080	8.30459	8.30459	12.67712	12.67712	FALSE	17.423431	8.30459	FALSE	888.67	280	0.03228	0.0000406
5486204176080	548620	4176080	8.303536	8.303536	12.59632	12.59632	FALSE	17.3123808	8.303536	FALSE	897.53	280	0.03228	0.0000406
5486404176080	548640	4176080	8.302494	8.302494	12.56472	12.56472	FALSE	17.2689525	8.302494	FALSE	906.75	280	0.03228	0.0000406
5486604176080	548660	4176080	8.305268	8.305268	12.77089	12.77089	FALSE	17.5523112	8.305268	FALSE	916.31	280	0.03228	0.0000406
5486804176080	548680	4176080	8.294446	8.294446	11.55793	11.55793	FALSE	15.8852204	8.294446	FALSE	926.21	280	0.03228	0.0000406
5487004176080	548700	4176080	8.30119	8.30119	11.80048	11.80048	FALSE	16.2185838	8.30119	FALSE	936.43	280	0.03228	0.0000406
5487204176080	548720	4176080	8.307549	8.307549	12.0496	12.0496	FALSE	16.5609689	8.307549	FALSE	946.96	280	0.03228	0.0000406
5487404176080	548740	4176080	8.310967	8.310967	12.19786	12.19786	FALSE	16.7647429	8.310967	FALSE	957.79	280	0.03228	0.0000406
5487604176080	548760	4176080	8.312646	8.312646	12.30393	12.30393	FALSE	16.9105186	8.312646	FALSE	968.92	280	0.03228	0.0000406
5487804176080	548780	4176080	8.319172	8.319172	12.56975	12.56975	FALSE	17.2758575	8.319172	FALSE	980.32	280	0.03228	0.0000406
5488004176080	548800	4176080	8.352956	8.352956	15.15047	15.15047	FALSE	20.8227991	8.352956	FALSE	992.00	280	0.03228	0.0000406
5488204176080	548820	4176080	8.359334	8.359334	15.15314	15.15314	FALSE	20.8264687	8.359334	FALSE	1003.94	280	0.03228	0.0000406
5488404176080	548840	4176080	8.376534	8.376534	15.70704	15.70704	FALSE	21.5877599	8.376534	FALSE	1016.14	280	0.03228	0.0000406
5488604176080	548860	4176080	8.395166	8.395166	16.47348	16.47348	FALSE	22.6411468	8.395166	FALSE	1028.57	280	0.03228	0.0000406
5488804176080	548880	4176080	8.390034	8.390034	15.3105	15.3105	FALSE	21.0427457	8.390034	FALSE	1041.25	280	0.03228	0.0000406
5489004176080	548900	4176080	8.395589	8.395589	15.40805	15.40805	FALSE	21.1768267	8.395589	FALSE	1054.15	280	0.03228	0.0000406
5489204176080	548920	4176080	8.404817	8.404817	15.65453	15.65453	FALSE	21.5155874	8.404817	FALSE	1067.27	280	0.03228	0.0000406
5489404176080	548940	4176080	8.417435	8.417435	15.98667	15.98667	FALSE	21.9720779	8.417435	FALSE	1080.60	280	0.03228	0.0000406
5489604176080	548960	4176080	8.415315	8.415315	15.54351	15.54351	FALSE	21.3629988	8.415315	FALSE	1094.14	280	0.03228	0.0000406
5489804176080	548980	4176080	8.420263	8.420263	15.68388	15.68388	FALSE	21.5559178	8.420263	FALSE	1107.87	280	0.03228	0.0000406
5490004176080	549000	4176080	8.42041	8.42041	15.40591	15.40591	FALSE	21.1738772	8.42041	FALSE	1121.78	280	0.03228	0.0000406
5490204176080	549020	4176080	8.435029	8.435029	15.86412	15.86412	FALSE	21.8036507	8.435029	FALSE	1135.88	280	0.03228	0.0000406
5490404176080	549040	4176080	8.446676	8.446676	16.26561	16.26561	FALSE	22.3554544	8.446676	FALSE	1150.16	280	0.03228	0.0000406
5490604176080	549060	4176080	8.454074	8.454074	16.56761	16.56761	FALSE	22.7705191	8.454074	FALSE	1164.60	280	0.03228	0.0000406
5470204176100	547020	4176100	8.19459	8.19459	4.494073	4.494073	FALSE	6.17665393	8.19459	FALSE	1448.90	280	0.03228	0.0000406
5470404176100	547040	4176100	8.191786	8.191786	4.364248	4.364248	FALSE	5.99822245	8.191786	FALSE	1432.47	280	0.03228	0.0000406
5470604176100	547060	4176100	8.18773	8.18773	4.197877	4.197877	FALSE	5.76956215	8.18773	FALSE	1416.12	280	0.03228	0.0000406

5470804176100	547080	4176100	8.183214	8.183214	4.023267	4.023267	FALSE	5.52957816	8.183214	FALSE	1399.87	280	0.03228	0.0000406
5471004176100	547100	4176100	8.184551	8.184551	4.028073	4.028073	FALSE	5.53618353	8.184551	FALSE	1383.71	280	0.03228	0.0000406
5471204176100	547120	4176100	8.187763	8.187763	4.086596	4.086596	FALSE	5.61661754	8.187763	FALSE	1367.66	280	0.03228	0.0000406
5471404176100	547140	4176100	8.193185	8.193185	4.202728	4.202728	FALSE	5.77622936	8.193185	FALSE	1351.71	280	0.03228	0.0000406
5471604176100	547160	4176100	8.201368	8.201368	4.36249	4.36249	FALSE	5.99580626	8.201368	FALSE	1335.87	280	0.03228	0.0000406
5471804176100	547180	4176100	8.22093	8.22093	4.758178	4.758178	FALSE	6.53963984	8.22093	FALSE	1320.15	280	0.03228	0.0000406
5472004176100	547200	4176100	8.23055	8.23055	4.936959	4.936959	FALSE	6.78535645	8.23055	FALSE	1304.54	280	0.03228	0.0000406
5472204176100	547220	4176100	8.223327	8.223327	4.861255	4.861255	FALSE	6.68130887	8.223327	FALSE	1289.05	280	0.03228	0.0000406
5472404176100	547240	4176100	8.226168	8.226168	5.060234	5.060234	FALSE	6.95478561	8.226168	FALSE	1273.69	280	0.03228	0.0000406
5472604176100	547260	4176100	8.267477	8.267477	6.376094	6.376094	FALSE	8.76330359	8.267477	FALSE	1258.46	280	0.03228	0.0000406
5472804176100	547280	4176100	8.28915	8.28915	6.962854	6.962854	FALSE	9.56974654	8.28915	FALSE	1243.37	280	0.03228	0.0000406
5473004176100	547300	4176100	8.219068	8.219068	4.874381	4.874381	FALSE	6.69934925	8.219068	FALSE	1228.41	280	0.03228	0.0000406
5473204176100	547320	4176100	8.174079	8.174079	3.52457	3.52457	FALSE	4.84416901	8.174079	FALSE	1213.60	280	0.03228	0.0000406
5473404176100	547340	4176100	8.161097	8.161097	3.126874	3.126874	FALSE	4.29757563	8.161097	FALSE	1198.94	280	0.03228	0.0000406
5473604176100	547360	4176100	8.152392	8.152392	2.859641	2.859641	FALSE	3.93029059	8.152392	FALSE	1184.44	280	0.03228	0.0000406
5473804176100	547380	4176100	8.146588	8.146588	2.685948	2.685948	FALSE	3.69156693	8.146588	FALSE	1170.10	280	0.03228	0.0000406
5474004176100	547400	4176100	8.13833	8.13833	2.427767	2.427767	FALSE	3.33672296	8.13833	FALSE	1155.92	280	0.03228	0.0000406
5474204176100	547420	4176100	8.133079	8.133079	2.259631	2.259631	FALSE	3.10563685	8.133079	FALSE	1141.92	280	0.03228	0.0000406
5474404176100	547440	4176100	8.131121	8.131121	2.196712	2.196712	FALSE	3.01916097	8.131121	FALSE	1128.11	280	0.03228	0.0000406
5474604176100	547460	4176100	8.131698	8.131698	2.20832	2.20832	FALSE	3.03511501	8.131698	FALSE	1114.48	280	0.03228	0.0000406
5474804176100	547480	4176100	8.133176	8.133176	2.251494	2.251494	FALSE	3.09445335	8.133176	FALSE	1101.04	280	0.03228	0.0000406
5475004176100	547500	4176100	8.134991	8.134991	2.297465	2.297465	FALSE	3.1576359	8.134991	FALSE	1087.81	280	0.03228	0.0000406
5475204176100	547520	4176100	8.142972	8.142972	2.539114	2.539114	FALSE	3.48975828	8.142972	FALSE	1074.78	280	0.03228	0.0000406
5475404176100	547540	4176100	8.151695	8.151695	2.797331	2.797331	FALSE	3.84465173	8.151695	FALSE	1061.97	280	0.03228	0.0000406
5475604176100	547560	4176100	8.163621	8.163621	3.15991	3.15991	FALSE	4.3429803	8.163621	FALSE	1049.39	280	0.03228	0.0000406
5475804176100	547580	4176100	8.177178	8.177178	3.59179	3.59179	FALSE	4.93655618	8.177178	FALSE	1037.04	280	0.03228	0.0000406
5476004176100	547600	4176100	8.186795	8.186795	3.901485	3.901485	FALSE	5.36220098	8.186795	FALSE	1024.93	280	0.03228	0.0000406
5476204176100	547620	4176100	8.186354	8.186354	3.883328	3.883328	FALSE	5.337246	8.186354	FALSE	1013.08	280	0.03228	0.0000406
5476404176100	547640	4176100	8.208445	8.208445	4.579158	4.579158	FALSE	6.29359476	8.208445	FALSE	1001.48	280	0.03228	0.0000406
5476604176100	547660	4176100	8.225991	8.225991	5.136968	5.136968	FALSE	7.06024882	8.225991	FALSE	990.15	280	0.03228	0.0000406
5476804176100	547680	4176100	8.242919	8.242919	5.673075	5.673075	FALSE	7.79707428	8.242919	FALSE	979.09	280	0.03228	0.0000406
5477004176100	547700	4176100	8.243159	8.243159	5.664158	5.664158	FALSE	7.78481876	8.243159	FALSE	968.33	280	0.03228	0.0000406
5477204176100	547720	4176100	8.261813	8.261813	6.217747	6.217747	FALSE	8.54567148	8.261813	FALSE	957.86	280	0.03228	0.0000406
5477404176100	547740	4176100	8.304871	8.304871	7.494399	7.494399	FALSE	10.300302	8.304871	FALSE	947.69	280	0.03228	0.0000406
5477604176100	547760	4176100	8.332323	8.332323	8.151261	8.151261	FALSE	11.2030931	8.332323	FALSE	937.85	280	0.03228	0.0000406
5477804176100	547780	4176100	8.44725	8.44725	11.41194	11.41194	FALSE	15.6845758	8.44725	FALSE	928.33	280	0.03228	0.0000406
5478004176100	547800	4176100	8.429089	8.429089	10.55767	10.55767	FALSE	14.5104616	8.429089	FALSE	919.14	280	0.03228	0.0000406
5478204176100	547820	4176100	8.434482	8.434482	10.3821	10.3821	FALSE	14.2691596	8.434482	FALSE	910.31	280	0.03228	0.0000406
5478404176100	547840	4176100	8.370338	8.370338	8.77474	8.77474	FALSE	12.0600027	8.370338	FALSE	901.83	280	0.03228	0.0000406
5478604176100	547860	4176100	8.333865	8.333865	7.877978	7.877978	FALSE	10.827493	8.333865	FALSE	893.71	280	0.03228	0.0000406
5478804176100	547880	4176100	8.315281	8.315281	7.424098	7.424098	FALSE	10.2036803	8.315281	FALSE	885.98	280	0.03228	0.0000406
5479004176100	547900	4176100	8.300304	8.300304	7.06718	7.06718	FALSE	9.71313219	8.300304	FALSE	878.63	280	0.03228	0.0000406
5479204176100	547920	4176100	8.296299	8.296299	6.951712	6.951712	FALSE	9.55443297	8.296299	FALSE	871.68	280	0.03228	0.0000406
5479404176100	547940	4176100	8.28414	8.28414	6.654612	6.654612	FALSE	9.14609873	8.28414	FALSE	865.13	280	0.03228	0.0000406
5479604176100	547960	4176100	8.283606	8.283606	6.592379	6.592379	FALSE	9.0605657	8.283606	FALSE	859.00	280	0.03228	0.0000406
5479804176100	547980	4176100	8.302077	8.302077	6.803039	6.803039	FALSE	9.3500968	8.302077	FALSE	853.30	280	0.03228	0.0000406
5480004176100	548000	4176100	8.294292	8.294292	6.60986	6.60986	FALSE	9.08459158	8.294292	FALSE	848.03	280	0.03228	0.0000406
5480204176100	548020	4176100	8.275226	8.275226	6.229392	6.229392	FALSE	8.56167636	8.275226	FALSE	843.20	280	0.03228	0.0000406
5480404176100	548040	4176100	8.267749	8.267749	6.087371	6.087371	FALSE	8.3664827	8.267749	FALSE	838.82	280	0.03228	0.0000406
5480604176100	548060	4176100	8.268096	8.268096	6.167574	6.167574	FALSE	8.47671371	8.268096	FALSE	834.90	280	0.03228	0.0000406
5480804176100	548080	4176100	8.265521	8.265521	6.186427	6.186427	FALSE	8.50262527	8.265521	FALSE	831.44	280	0.03228	0.0000406
5481004176100	548100	4176100	8.261895	8.261895	6.179545	6.179545	FALSE	8.49316665	8.261895	FALSE	828.45	280	0.03228	0.0000406
5481204176100	548120	4176100	8.263081	8.263081	6.317226	6.317226	FALSE	8.68239541	8.263081	FALSE	825.93	280	0.03228	0.0000406
5481404176100	548140	4176100	8.270491	8.270491	6.641178	6.641178	FALSE	9.12763504	8.270491	FALSE	823.89	280	0.03228	0.0000406
5481604176100	548160	4176100	8.274115	8.274115	6.914745	6.914745	FALSE	9.50362553	8.274115	FALSE	822.33	280	0.03228	0.0000406
5481804176100	548180	4176100	8.282203	8.282203	7.41298	7.41298	FALSE	10.1883997	8.282203	FALSE	821.25	280	0.03228	0.0000406
5482004176100	548200	4176100	8.256608	8.256608	7.142368	7.142368	FALSE	9.81647058	8.256608	FALSE	820.66	280	0.03228	0.0000406
5482204176100	548220	4176100	8.252415	8.252415	7.304399	7.304399	FALSE	10.039166	8.252415	FALSE	820.56	280	0.03228	0.0000406
5482404176100	548240	4176100	8.250271	8.250271	7.417419	7.417419	FALSE	10.1945007	8.250271	FALSE	820.95	280	0.03228	0.0000406
5482604176100	548260	4176100	8.250079	8.250079	7.610832	7.610832	FALSE	10.4603275	8.250079	FALSE	821.82	280	0.03228	0.0000406
5482804176100	548280	4176100	8.250538	8.250538	7.806682	7.806682	FALSE	10.7295037	8.250538	FALSE	823.18	280	0.03228	0.0000406
5483004176100	548300	4176100	8.252715	8.252715	8.092989	8.092989	FALSE	11.1230041	8.252715	FALSE	825.02	280	0.03228	0.0000406
5483204176100	548320	4176100	8.259335	8.259335	8.654271	8.654271	FALSE	11.8944301	8.259335	FALSE	827.34	280	0.03228	0.0000406
5483404176100	548340	4176100	8.272744	8.272744	9.702852	9.702852	FALSE	13.3355998	8.272744	FALSE	830.13	280	0.03228	0.0000406
5483604176100	548360	4176100	8.295284	8.295284	11.35452	11.35452	FALSE	15.6056537	8.295284	FALSE	833.40	280	0.03228	0.0000406
5483804176100	548380	4176100	8.290238	8.290238	10.97861	10.97861	FALSE	15.0890043	8.290238	FALSE	837.13	280	0.03228	0.0000406
5484004176100	548400	4176100	8.273416	8.273416	9.81626	9.81626	FALSE	13.4914677	8.273416	FALSE	841.32	280	0.03228	0.0000406
5484204176100	548420	4176100	8.266164	8.266164	9.338004	9.338004	FALSE	12.8341527	8.266164	FALSE	845.96	280	0.03228	0.0000406
5484404176100	548440	4176100	8.263012	8.263012	9.168442	9.168442	FALSE	12.6011067	8.263012	FALSE	851.05	280	0.03228	0.0000406
5484604176100	548460	4176100	8.26376	8.26376	9.210521	9.210521	FALSE	12.6589401	8.26376	FALSE	856.58	280	0.03228	0.0000406
5484804176100	548480	4176100	8.262113	8.262113	9.148769	9.148769	FALSE	12.5740681	8.262113	FALSE	862.53	280	0.03228	0.0000406
5485004176100	548500	4176100	8.261412	8.261412	9.143112	9.143112	FALSE	12.5662931	8.261412	FALSE	868.90	280	0.03228	0.0000406
5485204176100	548520	4176100	8.261115	8.261115	9.191677	9.191677	FALSE	12.6330409	8.261115	FALSE	875.68	280	0.03228	0.0000406
5485404176100	548540	4176100	8.272982	8.272982	9.883038	9.883038	FALSE	13.5832474	8.272982	FALSE	882.87	280	0.03228	0.0000406
5485604176100	548560	4176100	8.303273	8.303273	11.7619	11.7619	FALSE	16.1655581	8.303273	FALSE	890.44	280	0.03228	0.0000406
5485804176100	548580	4176100	8.305769	8.305769	11.79787	11.79787	FALSE	16.2149857	8.305769	FALSE	898.40	280	0.03228	0.0000406
5486004176100	548600	4176100	8.29935	8.29935	11.36831	11.36831	FALSE	15.6246066	8.29935	FALSE	906.73	280	0.03228	0.0000406
5486204176100	548620	4176100	8.29869	8.29869	11.32757	11.32757	FALSE	15.5686122	8.29869	FALSE	915.42	280	0.03228	0.0000406
5486404176100	548640	4176100	8.29839	8.29839	11.32503	11.32503	FALSE	15.5651171	8.29839	FALSE	924.46	280	0.03228	0.0000406
5486604176100	548660	4176100	8.302401	8.302401	11.51912	11.51912	FALSE	15.8318827	8.302401	FALSE	933.84	280	0.03228	0.0000406
5486804176100	548680	4176100	8.30766	8.30766	11.76772	11.76772	FALSE	16.173553	8.30766	FALSE	943.55	280	0.03228	0.0000406
5487004176100	548700	4176100	8.314569	8.314569	12.05797	12.05797	FALSE	16.5724781	8.314569	FALSE	953.58	280	0.03228	0.0000406
5487204176100	548720	4176100	8.321206	8.321206	12.36013	12.36013	FALSE	16.9877585	8.321206	FALSE	963.93	280	0.03228	0.0000406
5487404176100	548740	4176100	8.324353	8.324353	12.52846	12.52846	FALSE	17.2191086	8.324353	FALSE	974.57	280	0.03228	0.0000406
5487604176100	548760	4176100	8.324566	8.324566	12.58439	12.58439	FALSE	17.2959815	8.324566	FALSE	985.51	280	0.03228	0.0000406
5487804176100	548780	4176100	8.330611	8.330611	12.87585	12.87585	FALSE	17.6965655	8.330611	FALSE	996.72	280	0.03228	0.0000406
5488004176100	548800	4176100	8.336701	8.336701	13.14661	13.14661	FALSE	18.068698	8.336701	FALSE	1008.21	280	0.03228	0.0000406
5488204176100	548820	4176100	8.343768	8.343768	13.36677	13.36677	FALSE	18.3712832	8.343768	FALSE	1019.96	280	0.03228	0.0000406
5488404176100	548840	4176100	8.359671	8.359671	13.9522	13.9522	FALSE	19.1758996	8.359671	FALSE	1031.97	280	0.03228	0.0000406
5488604176100	548860	4176100	8.372154	8.372154	14.43178	14.43178	FALSE	19.8350316	8.372154	FALSE	1044.22	280	0.03228	0.0000406
5488804176100	548880	4176100	8.377085	8.377085	14.6107	14.6107	FALSE	20.0809516	8.377085	FALSE	1056.70	280	0.03228	0.0000406
5489004176100	548900	4176100	8.379101	8.379101	14.64081	14.64081	FALSE	20.1223279	8.379101	FALSE	1069.42	280	0.03228	0.0000406
5489204176100	548920	4176100	8.384872	8.384872	14.82873	14.82873	FALSE	20.3805996	8.384872	FALSE	1082.35	280	0.03228	0.0000406
5489404176100	548940	4176100	8.395118	8.395118	15.18356	15.18356	FALSE	20.8682807	8.395118	FALSE	1095.50	280	0.03228	0.0000406

5489604176100	548960	4176100	8.39234	8.39234	14.94173	14.94173	FALSE	20.5359165	8.39234	FALSE	1108.85	280	0.03228	0.0000406
5489804176100	548980	4176100	8.391927	8.391927	14.7604	14.7604	FALSE	20.2866896	8.391927	FALSE	1122.40	280	0.03228	0.0000406
5490004176100	549000	4176100	8.394289	8.394289	14.71643	14.71643	FALSE	20.2262545	8.394289	FALSE	1136.14	280	0.03228	0.0000406
5490204176100	549020	4176100	8.403391	8.403391	15.00829	15.00829	FALSE	20.6273993	8.403391	FALSE	1150.07	280	0.03228	0.0000406
5490404176100	549040	4176100	8.412971	8.412971	15.34196	15.34196	FALSE	21.0859953	8.412971	FALSE	1164.17	280	0.03228	0.0000406
5470404176120	547040	4176120	8.193151	8.193151	4.424274	4.424274	FALSE	6.08072219	8.193151	FALSE	1444.01	280	0.03228	0.0000406
5470604176120	547060	4176120	8.188883	8.188883	4.246551	4.246551	FALSE	5.83645969	8.188883	FALSE	1427.80	280	0.03228	0.0000406
5470804176120	547080	4176120	8.18382	8.18382	4.050474	4.050474	FALSE	5.56697147	8.18382	FALSE	1411.68	280	0.03228	0.0000406
5471004176120	547100	4176120	8.184752	8.184752	4.037768	4.037768	FALSE	5.54950834	8.184752	FALSE	1395.66	280	0.03228	0.0000406
5471204176120	547120	4176120	8.188612	8.188612	4.11166	4.11166	FALSE	5.6510655	8.188612	FALSE	1379.75	280	0.03228	0.0000406
5471404176120	547140	4176120	8.195484	8.195484	4.270103	4.270103	FALSE	5.86882956	8.195484	FALSE	1363.94	280	0.03228	0.0000406
5471604176120	547160	4176120	8.204557	8.204557	4.452485	4.452485	FALSE	6.11949538	8.204557	FALSE	1348.25	280	0.03228	0.0000406
5471804176120	547180	4176120	8.225499	8.225499	4.889694	4.889694	FALSE	6.72039543	8.225499	FALSE	1332.67	280	0.03228	0.0000406
5472004176120	547200	4176120	8.233732	8.233732	5.058729	5.058729	FALSE	6.95271714	8.233732	FALSE	1317.21	280	0.03228	0.0000406
5472204176120	547220	4176120	8.244447	8.244447	5.314889	5.314889	FALSE	7.30478344	8.244447	FALSE	1301.88	280	0.03228	0.0000406
5472404176120	547240	4176120	8.238971	8.238971	5.421334	5.421334	FALSE	7.45108145	8.238971	FALSE	1286.67	280	0.03228	0.0000406
5472604176120	547260	4176120	8.322766	8.322766	8.025603	8.025603	FALSE	11.0303888	8.322766	FALSE	1271.59	280	0.03228	0.0000406
5472804176120	547280	4176120	8.273674	8.273674	6.496148	6.496148	FALSE	8.92830581	8.273674	FALSE	1256.65	280	0.03228	0.0000406
5473004176120	547300	4176120	8.186298	8.186298	3.904941	3.904941	FALSE	5.36695091	8.186298	FALSE	1241.86	280	0.03228	0.0000406
5473204176120	547320	4176120	8.16286	8.16286	3.195012	3.195012	FALSE	4.39122449	8.16286	FALSE	1227.21	280	0.03228	0.0000406
5473404176120	547340	4176120	8.151689	8.151689	2.850257	2.850257	FALSE	3.91739322	8.151689	FALSE	1212.72	280	0.03228	0.0000406
5473604176120	547360	4176120	8.143436	8.143436	2.595609	2.595609	FALSE	3.56740501	8.143436	FALSE	1198.38	280	0.03228	0.0000406
5473804176120	547380	4176120	8.13723	8.13723	2.40899	2.40899	FALSE	3.31091586	8.13723	FALSE	1184.21	280	0.03228	0.0000406
5474004176120	547400	4176120	8.131886	8.131886	2.239141	2.239141	FALSE	3.07747539	8.131886	FALSE	1170.20	280	0.03228	0.0000406
5474204176120	547420	4176120	8.127657	8.127657	2.100352	2.100352	FALSE	2.88672379	8.127657	FALSE	1156.38	280	0.03228	0.0000406
5474404176120	547440	4176120	8.125342	8.125342	2.024338	2.024338	FALSE	2.78225015	8.125342	FALSE	1142.74	280	0.03228	0.0000406
5474604176120	547460	4176120	8.125827	8.125827	2.031165	2.031165	FALSE	2.79163318	8.125827	FALSE	1129.28	280	0.03228	0.0000406
5474804176120	547480	4176120	8.126576	8.126576	2.049035	2.049035	FALSE	2.8161937	8.126576	FALSE	1116.02	280	0.03228	0.0000406
5475004176120	547500	4176120	8.126924	8.126924	2.04679	2.04679	FALSE	2.81310818	8.126924	FALSE	1102.97	280	0.03228	0.0000406
5475204176120	547520	4176120	8.13161	8.13161	2.180895	2.180895	FALSE	2.99742209	8.13161	FALSE	1090.13	280	0.03228	0.0000406
5475404176120	547540	4176120	8.137484	8.137484	2.346021	2.346021	FALSE	3.22437126	8.137484	FALSE	1077.50	280	0.03228	0.0000406
5475604176120	547560	4176120	8.145199	8.145199	2.570119	2.570119	FALSE	3.53237155	8.145199	FALSE	1065.10	280	0.03228	0.0000406
5475804176120	547580	4176120	8.146696	8.146696	2.610746	2.610746	FALSE	3.5882093	8.146696	FALSE	1052.94	280	0.03228	0.0000406
5476004176120	547600	4176120	8.146994	8.146994	2.617515	2.617515	FALSE	3.59751262	8.146994	FALSE	1041.01	280	0.03228	0.0000406
5476204176120	547620	4176120	8.146468	8.146468	2.593225	2.593225	FALSE	3.56412844	8.146468	FALSE	1029.34	280	0.03228	0.0000406
5476404176120	547640	4176120	8.151649	8.151649	2.752759	2.752759	FALSE	3.78339197	8.151649	FALSE	1017.93	280	0.03228	0.0000406
5476604176120	547660	4176120	8.160332	8.160332	3.032646	3.032646	FALSE	4.16806866	8.160332	FALSE	1006.78	280	0.03228	0.0000406
5476804176120	547680	4176120	8.173863	8.173863	3.472928	3.472928	FALSE	4.77319224	8.173863	FALSE	995.91	280	0.03228	0.0000406
5477004176120	547700	4176120	8.180168	8.180168	3.668873	3.668873	FALSE	5.04249905	8.180168	FALSE	985.33	280	0.03228	0.0000406
5477204176120	547720	4176120	8.190985	8.190985	3.995932	3.995932	FALSE	5.49200894	8.190985	FALSE	975.04	280	0.03228	0.0000406
5477404176120	547740	4176120	8.209651	8.209651	4.537088	4.537088	FALSE	6.23577375	8.209651	FALSE	965.06	280	0.03228	0.0000406
5477604176120	547760	4176120	8.253859	8.253859	5.749606	5.749606	FALSE	7.90225849	8.253859	FALSE	955.39	280	0.03228	0.0000406
5477804176120	547780	4176120	8.320451	8.320451	7.459813	7.459813	FALSE	10.252767	8.320451	FALSE	946.05	280	0.03228	0.0000406
5478004176120	547800	4176120	8.431434	8.431434	9.923092	9.923092	FALSE	13.6382976	8.431434	FALSE	937.04	280	0.03228	0.0000406
5478204176120	547820	4176120	8.447785	8.447785	10.1756	10.1756	FALSE	13.9853474	8.447785	FALSE	928.37	280	0.03228	0.0000406
5478404176120	547840	4176120	8.434037	8.434037	10.18351	10.18351	FALSE	13.9962161	8.434037	FALSE	920.06	280	0.03228	0.0000406
5478604176120	547860	4176120	8.438536	8.438536	10.37067	10.37067	FALSE	14.2534488	8.438536	FALSE	912.11	280	0.03228	0.0000406
5478804176120	547880	4176120	8.459505	8.459505	11.54862	11.54862	FALSE	15.8724275	8.459505	FALSE	904.53	280	0.03228	0.0000406
5479004176120	547900	4176120	8.39274	8.39274	9.863094	9.863094	FALSE	13.5558364	8.39274	FALSE	897.34	280	0.03228	0.0000406
5479204176120	547920	4176120	8.353227	8.353227	8.866016	8.866016	FALSE	12.1854524	8.353227	FALSE	890.53	280	0.03228	0.0000406
5479404176120	547940	4176120	8.337997	8.337997	8.372833	8.372833	FALSE	11.5076217	8.337997	FALSE	884.13	280	0.03228	0.0000406
5479604176120	547960	4176120	8.338365	8.338365	8.164648	8.164648	FALSE	11.2214922	8.338365	FALSE	878.13	280	0.03228	0.0000406
5479804176120	547980	4176120	8.349547	8.349547	8.082048	8.082048	FALSE	11.1079668	8.349547	FALSE	872.55	280	0.03228	0.0000406
5480004176120	548000	4176120	8.318807	8.318807	7.326568	7.326568	FALSE	10.0696351	8.318807	FALSE	867.40	280	0.03228	0.0000406
5480204176120	548020	4176120	8.306123	8.306123	6.994813	6.994813	FALSE	9.61367099	8.306123	FALSE	862.68	280	0.03228	0.0000406
5480404176120	548040	4176120	8.299998	8.299998	6.830218	6.830218	FALSE	9.38745162	8.299998	FALSE	858.40	280	0.03228	0.0000406
5480604176120	548060	4176120	8.295032	8.295032	6.736313	6.736313	FALSE	9.25838859	8.295032	FALSE	854.56	280	0.03228	0.0000406
5480804176120	548080	4176120	8.292413	8.292413	6.749101	6.749101	FALSE	9.27596441	8.292413	FALSE	851.18	280	0.03228	0.0000406
5481004176120	548100	4176120	8.290779	8.290779	6.825799	6.825799	FALSE	9.38137815	8.290779	FALSE	848.26	280	0.03228	0.0000406
5481204176120	548120	4176120	8.292184	8.292184	7.006345	7.006345	FALSE	9.62952057	8.292184	FALSE	845.80	280	0.03228	0.0000406
5481404176120	548140	4176120	8.300851	8.300851	7.427996	7.427996	FALSE	10.2090377	8.300851	FALSE	843.81	280	0.03228	0.0000406
5481604176120	548160	4176120	8.323044	8.323044	8.171802	8.171802	FALSE	11.2313247	8.323044	FALSE	842.28	280	0.03228	0.0000406
5481804176120	548180	4176120	8.308866	8.308866	8.232156	8.232156	FALSE	11.3142752	8.308866	FALSE	841.24	280	0.03228	0.0000406
5482004176120	548200	4176120	8.282918	8.282918	7.937601	7.937601	FALSE	10.9094388	8.282918	FALSE	840.66	280	0.03228	0.0000406
5482204176120	548220	4176120	8.278722	8.278722	8.122696	8.122696	FALSE	11.1638334	8.278722	FALSE	840.56	280	0.03228	0.0000406
5482404176120	548240	4176120	8.278055	8.278055	8.354855	8.354855	FALSE	11.4829127	8.278055	FALSE	840.94	280	0.03228	0.0000406
5482604176120	548260	4176120	8.279067	8.279067	8.634384	8.634384	FALSE	11.8670974	8.279067	FALSE	841.79	280	0.03228	0.0000406
5482804176120	548280	4176120	8.279992	8.279992	8.868591	8.868591	FALSE	12.1889915	8.279992	FALSE	843.12	280	0.03228	0.0000406
5483004176120	548300	4176120	8.280358	8.280358	9.060586	9.060586	FALSE	12.4528694	8.280358	FALSE	844.91	280	0.03228	0.0000406
5483204176120	548320	4176120	8.287719	8.287719	9.675409	9.675409	FALSE	13.2978821	8.287719	FALSE	847.18	280	0.03228	0.0000406
5483404176120	548340	4176120	8.306481	8.306481	11.0442	11.0442	FALSE	15.1791416	8.306481	FALSE	849.91	280	0.03228	0.0000406
5483604176120	548360	4176120	8.331053	8.331053	12.8403	12.8403	FALSE	17.6477111	8.331053	FALSE	853.10	280	0.03228	0.0000406
5483804176120	548380	4176120	8.322185	8.322185	12.20172	12.20172	FALSE	16.7700481	8.322185	FALSE	856.74	280	0.03228	0.0000406
5484004176120	548400	4176120	8.301902	8.301902	10.83234	10.83234	FALSE	14.8879667	8.301902	FALSE	860.84	280	0.03228	0.0000406
5484204176120	548420	4176120	8.294598	8.294598	10.36834	10.36834	FALSE	14.2502465	8.294598	FALSE	865.38	280	0.03228	0.0000406
5484404176120	548440	4176120	8.289893	8.289893	10.14836	10.14836	FALSE	13.9479032	8.289893	FALSE	870.35	280	0.03228	0.0000406
5484604176120	548460	4176120	8.289795	8.289795	10.17597	10.17597	FALSE	13.9858545	8.289795	FALSE	875.75	280	0.03228	0.0000406
5484804176120	548480	4176120	8.286434	8.286434	10.04735	10.04735	FALSE	13.8090833	8.286434	FALSE	881.58	280	0.03228	0.0000406
5485004176120	548500	4176120	8.283863	8.283863	9.964045	9.964045	FALSE	13.6945834	8.283863	FALSE	887.81	280	0.03228	0.0000406
5485204176120	548520	4176120	8.280437	8.280437	9.878904	9.878904	FALSE	13.5775657	8.280437	FALSE	894.45	280	0.03228	0.0000406
5485404176120	548540	4176120	8.289752	8.289752	10.44988	10.44988	FALSE	14.3623178	8.289752	FALSE	901.49	280	0.03228	0.0000406
5485604176120	548560	4176120	8.325761	8.325761	12.61661	12.61661	FALSE	17.3402674	8.325761	FALSE	908.91	280	0.03228	0.0000406
5485804176120	548580	4176120	8.329508	8.329508	12.56359	12.56359	FALSE	17.2673926	8.329508	FALSE	916.70	280	0.03228	0.0000406
5486004176120	548600	4176120	8.319353	8.319353	11.90449	11.90449	FALSE	16.3615324	8.319353	FALSE	924.87	280	0.03228	0.0000406
5486204176120	548620	4176120	8.316492	8.316492	11.72778	11.72778	FALSE	16.1186595	8.316492	FALSE	933.39	280	0.03228	0.0000406
5486404176120	548640	4176120	8.316892	8.316892	11.73374	11.73374	FALSE	16.1268454	8.316892	FALSE	942.25	280	0.03228	0.0000406
5486604176120	548660	4176120	8.32284	8.32284	11.99719	11.99719	FALSE	16.4889311	8.32284	FALSE	951.46	280	0.03228	0.0000406
5486804176120	548680	4176120	8.330193	8.330193	12.32406	12.32406	FALSE	16.9381839	8.330193	FALSE	960.99	280	0.03228	0.0000406
5487004176120	548700	4176120	8.338215	8.338215	12.66248	12.66248	FALSE	17.4033125	8.338215	FALSE	970.85	280	0.03228	0.0000406
5487204176120	548720	4176120	8.343394	8.343394	12.91785	12.91785	FALSE	17.7542875	8.343394	FALSE	981.01	280	0.03228	0.0000406
5487404176120	548740	4176120	8.348286	8.348286	13.1802	13.1802	FALSE	18.1148614	8.348286	FALSE	991.47	280	0.03228	0.0000406
5487604176120	548760	4176120	8.353746	8.353746	13.49502	13.49502	FALSE	18.5475555	8.353746	FALSE	1002.22	280	0.03228	0.0000406
5487804176120	548780	4176120	8.355221	8.355221	13.636	13.636	FALSE	18.7413239	8.355221	FALSE	1013.25	280	0.03228	0.0000406
5488004176120	548800	4176120	8.359968	8.359968	13.89086	13.89086	FALSE	19.0916021	8.359968	FALSE	1024.55	280	0.03228	0.0000406

5488204176120	548820	4176120	8.361167	8.361167	13.88191	13.88191	FALSE	19.0792902	8.361167	FALSE	1036.12	280	0.03228	0.0000406
5488404176120	548840	4176120	8.372595	8.372595	14.28218	14.28218	FALSE	19.6294254	8.372595	FALSE	1047.94	280	0.03228	0.0000406
5488604176120	548860	4176120	8.377687	8.377687	14.48949	14.48949	FALSE	19.9143537	8.377687	FALSE	1060.00	280	0.03228	0.0000406
5488804176120	548880	4176120	8.371894	8.371894	14.28898	14.28898	FALSE	19.6387686	8.371894	FALSE	1072.31	280	0.03228	0.0000406
5489004176120	548900	4176120	8.375512	8.375512	14.41355	14.41355	FALSE	19.8099886	8.375512	FALSE	1084.84	280	0.03228	0.0000406
5489204176120	548920	4176120	8.379696	8.379696	14.5675	14.5675	FALSE	20.021572	8.379696	FALSE	1097.59	280	0.03228	0.0000406
5489404176120	548940	4176120	8.384415	8.384415	14.73022	14.73022	FALSE	20.2452199	8.384415	FALSE	1110.56	280	0.03228	0.0000406
5489604176120	548960	4176120	8.380735	8.380735	14.58264	14.58264	FALSE	20.0423804	8.380735	FALSE	1123.73	280	0.03228	0.0000406
5489804176120	548980	4176120	8.382678	8.382678	14.65112	14.65112	FALSE	20.1365021	8.382678	FALSE	1137.11	280	0.03228	0.0000406
5490004176120	549000	4176120	8.389118	8.389118	14.87049	14.87049	FALSE	20.4379946	8.389118	FALSE	1150.67	280	0.03228	0.0000406
5490204176120	549020	4176120	8.391012	8.391012	14.96488	14.96488	FALSE	20.5677297	8.391012	FALSE	1164.42	280	0.03228	0.0000406
5490404176120	549040	4176120	8.395802	8.395802	15.16022	15.16022	FALSE	20.8362064	8.395802	FALSE	1178.35	280	0.03228	0.0000406
5470404176140	547040	4176140	8.191788	8.191788	4.388674	4.388674	FALSE	6.03179355	8.191788	FALSE	1455.75	280	0.03228	0.0000406
5470604176140	547060	4176140	8.188565	8.188565	4.243806	4.243806	FALSE	5.83268697	8.188565	FALSE	1439.66	280	0.03228	0.0000406
5470804176140	547080	4176140	8.185167	8.185167	4.095515	4.095515	FALSE	5.62887582	8.185167	FALSE	1423.68	280	0.03228	0.0000406
5471004176140	547100	4176140	8.186931	8.186931	4.101492	4.101492	FALSE	5.6370906	8.186931	FALSE	1407.80	280	0.03228	0.0000406
5471204176140	547120	4176140	8.191658	8.191658	4.195499	4.195499	FALSE	5.76629383	8.191658	FALSE	1392.03	280	0.03228	0.0000406
5471404176140	547140	4176140	8.199745	8.199745	4.381336	4.381336	FALSE	6.0217082	8.199745	FALSE	1376.36	280	0.03228	0.0000406
5471604176140	547160	4176140	8.21101	8.21101	4.612798	4.612798	FALSE	6.33982957	8.21101	FALSE	1360.81	280	0.03228	0.0000406
5471804176140	547180	4176140	8.227786	8.227786	4.984382	4.984382	FALSE	6.85053462	8.227786	FALSE	1345.37	280	0.03228	0.0000406
5472004176140	547200	4176140	8.226531	8.226531	5.002394	5.002394	FALSE	6.87529031	8.226531	FALSE	1330.06	280	0.03228	0.0000406
5472204176140	547220	4176140	8.241215	8.241215	5.348358	5.348358	FALSE	7.35078324	8.241215	FALSE	1314.88	280	0.03228	0.0000406
5472404176140	547240	4176140	8.263953	8.263953	6.074051	6.074051	FALSE	8.34817569	8.263953	FALSE	1299.82	280	0.03228	0.0000406
5472604176140	547260	4176140	8.337206	8.337206	8.404711	8.404711	FALSE	11.5514348	8.337206	FALSE	1284.90	280	0.03228	0.0000406
5472804176140	547280	4176140	8.244406	8.244406	5.644096	5.644096	FALSE	7.75724554	8.244406	FALSE	1270.12	280	0.03228	0.0000406
5473004176140	547300	4176140	8.182599	8.182599	3.809756	3.809756	FALSE	5.23612865	8.182599	FALSE	1255.48	280	0.03228	0.0000406
5473204176140	547320	4176140	8.160542	8.160542	3.14147	3.14147	FALSE	4.31763637	8.160542	FALSE	1240.99	280	0.03228	0.0000406
5473404176140	547340	4176140	8.148206	8.148206	2.758941	2.758941	FALSE	3.79188851	8.148206	FALSE	1226.66	280	0.03228	0.0000406
5473604176140	547360	4176140	8.139811	8.139811	2.499156	2.499156	FALSE	3.43484001	8.139811	FALSE	1212.49	280	0.03228	0.0000406
5473804176140	547380	4176140	8.134135	8.134135	2.327431	2.327431	FALSE	3.19882117	8.134135	FALSE	1198.49	280	0.03228	0.0000406
5474004176140	547400	4176140	8.128512	8.128512	2.145513	2.145513	FALSE	2.94879307	8.128512	FALSE	1184.65	280	0.03228	0.0000406
5474204176140	547420	4176140	8.123734	8.123734	1.987604	1.987604	FALSE	2.73176294	8.123734	FALSE	1171.00	280	0.03228	0.0000406
5474404176140	547440	4176140	8.120568	8.120568	1.883403	1.883403	FALSE	2.58854908	8.120568	FALSE	1157.53	280	0.03228	0.0000406
5474604176140	547460	4176140	8.1204	8.1204	1.869019	1.869019	FALSE	2.56877971	8.1204	FALSE	1144.25	280	0.03228	0.0000406
5474804176140	547480	4176140	8.121052	8.121052	1.882416	1.882416	FALSE	2.58719255	8.121052	FALSE	1131.16	280	0.03228	0.0000406
5475004176140	547500	4176140	8.121969	8.121969	1.895389	1.895389	FALSE	2.60502264	8.121969	FALSE	1118.29	280	0.03228	0.0000406
5475204176140	547520	4176140	8.124044	8.124044	1.944587	1.944587	FALSE	2.67264037	8.124044	FALSE	1105.62	280	0.03228	0.0000406
5475404176140	547540	4176140	8.126365	8.126365	1.99246	1.99246	FALSE	2.73843702	8.126365	FALSE	1093.18	280	0.03228	0.0000406
5475604176140	547560	4176140	8.129545	8.129545	2.066192	2.066192	FALSE	2.83977428	8.129545	FALSE	1080.96	280	0.03228	0.0000406
5475804176140	547580	4176140	8.13218	8.13218	2.138856	2.138856	FALSE	2.93964369	8.13218	FALSE	1068.97	280	0.03228	0.0000406
5476004176140	547600	4176140	8.134543	8.134543	2.208544	2.208544	FALSE	3.03542287	8.134543	FALSE	1057.23	280	0.03228	0.0000406
5476204176140	547620	4176140	8.136808	8.136808	2.273328	2.273328	FALSE	3.124462	8.136808	FALSE	1045.74	280	0.03228	0.0000406
5476404176140	547640	4176140	8.140713	8.140713	2.389588	2.389588	FALSE	3.28424975	8.140713	FALSE	1034.50	280	0.03228	0.0000406
5476604176140	547660	4176140	8.147056	8.147056	2.591542	2.591542	FALSE	3.56181532	8.147056	FALSE	1023.54	280	0.03228	0.0000406
5476804176140	547680	4176140	8.158004	8.158004	2.949005	2.949005	FALSE	4.05311247	8.158004	FALSE	1012.85	280	0.03228	0.0000406
5477004176140	547700	4176140	8.165509	8.165509	3.18814	3.18814	FALSE	4.38177962	8.165509	FALSE	1002.45	280	0.03228	0.0000406
5477204176140	547720	4176140	8.17569	8.17569	3.499034	3.499034	FALSE	4.80907233	8.17569	FALSE	992.34	280	0.03228	0.0000406
5477404176140	547740	4176140	8.191309	8.191309	3.949549	3.949549	FALSE	5.42826015	8.191309	FALSE	982.53	280	0.03228	0.0000406
5477604176140	547760	4176140	8.222021	8.222021	4.753703	4.753703	FALSE	6.5334894	8.222021	FALSE	973.04	280	0.03228	0.0000406
5477804176140	547780	4176140	8.267319	8.267319	5.834451	5.834451	FALSE	8.01886945	8.267319	FALSE	963.86	280	0.03228	0.0000406
5478004176140	547800	4176140	8.334855	8.334855	7.277311	7.277311	FALSE	10.0019362	8.334855	FALSE	955.02	280	0.03228	0.0000406
5478204176140	547820	4176140	8.311625	8.311625	6.90352	6.90352	FALSE	9.48819789	8.311625	FALSE	946.52	280	0.03228	0.0000406
5478404176140	547840	4176140	8.301778	8.301778	6.85344	6.85344	FALSE	9.41936794	8.301778	FALSE	938.37	280	0.03228	0.0000406
5478604176140	547860	4176140	8.318252	8.318252	7.417342	7.417342	FALSE	10.1943948	8.318252	FALSE	930.57	280	0.03228	0.0000406
5478804176140	547880	4176140	8.36807	8.36807	9.039371	9.039371	FALSE	12.4237115	8.36807	FALSE	923.15	280	0.03228	0.0000406
5479004176140	547900	4176140	8.453525	8.453525	12.17194	12.17194	FALSE	16.7291171	8.453525	FALSE	916.10	280	0.03228	0.0000406
5479204176140	547920	4176140	8.434282	8.434282	11.84131	11.84131	FALSE	16.2746951	8.434282	FALSE	909.43	280	0.03228	0.0000406
5479404176140	547940	4176140	8.457975	8.457975	12.69028	12.69028	FALSE	17.4415195	8.457975	FALSE	903.16	280	0.03228	0.0000406
5479604176140	547960	4176140	8.520412	8.520412	13.63457	13.63457	FALSE	18.7393489	8.520412	FALSE	897.29	280	0.03228	0.0000406
5479804176140	547980	4176140	8.480323	8.480323	11.6081	11.6081	FALSE	15.9541658	8.480323	FALSE	891.83	280	0.03228	0.0000406
5480004176140	548000	4176140	8.428429	8.428429	10.01811	10.01811	FALSE	13.7688959	8.428429	FALSE	886.79	280	0.03228	0.0000406
5480204176140	548020	4176140	8.3953	8.3953	9.091941	9.091941	FALSE	12.4959637	8.3953	FALSE	882.17	280	0.03228	0.0000406
5480404176140	548040	4176140	8.381977	8.381977	8.718889	8.718889	FALSE	11.983241	8.381977	FALSE	877.99	280	0.03228	0.0000406
5480604176140	548060	4176140	8.371628	8.371628	8.463568	8.463568	FALSE	11.6323279	8.371628	FALSE	874.24	280	0.03228	0.0000406
5480804176140	548080	4176140	8.362035	8.362035	8.287301	8.287301	FALSE	11.3900665	8.362035	FALSE	870.94	280	0.03228	0.0000406
5481004176140	548100	4176140	8.358502	8.358502	8.327733	8.327733	FALSE	11.4456362	8.358502	FALSE	868.08	280	0.03228	0.0000406
5481204176140	548120	4176140	8.359737	8.359737	8.60113	8.60113	FALSE	11.8213931	8.359737	FALSE	865.68	280	0.03228	0.0000406
5481404176140	548140	4176140	8.368743	8.368743	9.201128	9.201128	FALSE	12.6460303	8.368743	FALSE	863.73	280	0.03228	0.0000406
5481604176140	548160	4176140	8.395416	8.395416	10.29757	10.29757	FALSE	14.1529802	8.395416	FALSE	862.24	280	0.03228	0.0000406
5481804176140	548180	4176140	8.375953	8.375953	10.52851	10.52851	FALSE	14.4703855	8.375953	FALSE	861.22	280	0.03228	0.0000406
5482004176140	548200	4176140	8.345107	8.345107	10.20447	10.20447	FALSE	14.0250208	8.345107	FALSE	860.66	280	0.03228	0.0000406
5482204176140	548220	4176140	8.335734	8.335734	10.26145	10.26145	FALSE	14.1033396	8.335734	FALSE	860.56	280	0.03228	0.0000406
5482404176140	548240	4176140	8.337456	8.337456	10.65788	10.65788	FALSE	14.6481861	8.337456	FALSE	860.93	280	0.03228	0.0000406
5482604176140	548260	4176140	8.341903	8.341903	11.13423	11.13423	FALSE	15.302883	8.341903	FALSE	861.76	280	0.03228	0.0000406
5482804176140	548280	4176140	8.345252	8.345252	11.52303	11.52303	FALSE	15.8372511	8.345252	FALSE	863.06	280	0.03228	0.0000406
5483004176140	548300	4176140	8.347084	8.347084	11.82618	11.82618	FALSE	16.2539032	8.347084	FALSE	864.81	280	0.03228	0.0000406
5483204176140	548320	4176140	8.355745	8.355745	12.53146	12.53146	FALSE	17.2232386	8.355745	FALSE	867.02	280	0.03228	0.0000406
5483404176140	548340	4176140	8.376067	8.376067	13.97161	13.97161	FALSE	19.2025863	8.376067	FALSE	869.69	280	0.03228	0.0000406
5483604176140	548360	4176140	8.372715	8.372715	13.67522	13.67522	FALSE	18.7952237	8.372715	FALSE	872.81	280	0.03228	0.0000406
5483804176140	548380	4176140	8.391187	8.391187	15.09691	15.09691	FALSE	20.7491917	8.391187	FALSE	876.37	280	0.03228	0.0000406
5484004176140	548400	4176140	8.368268	8.368268	13.5636	13.5636	FALSE	18.6418077	8.368268	FALSE	880.38	280	0.03228	0.0000406
5484204176140	548420	4176140	8.360081	8.360081	13.05572	13.05572	FALSE	17.9437816	8.360081	FALSE	884.82	280	0.03228	0.0000406
5484404176140	548440	4176140	8.355664	8.355664	12.84539	12.84539	FALSE	17.6547095	8.355664	FALSE	889.68	280	0.03228	0.0000406
5484604176140	548460	4176140	8.352857	8.352857	12.75586	12.75586	FALSE	17.5316554	8.352857	FALSE	894.97	280	0.03228	0.0000406
5484804176140	548480	4176140	8.349542	8.349542	12.64461	12.64461	FALSE	17.3787492	8.349542	FALSE	900.67	280	0.03228	0.0000406
5485004176140	548500	4176140	8.346027	8.346027	12.52935	12.52935	FALSE	17.22034	8.346027	FALSE	906.77	280	0.03228	0.0000406
5485204176140	548520	4176140	8.337956	8.337956	12.24395	12.24395	FALSE	16.8280863	8.337956	FALSE	913.27	280	0.03228	0.0000406
5485404176140	548540	4176140	8.343195	8.343195	12.63371	12.63371	FALSE	17.3637724	8.343195	FALSE	920.16	280	0.03228	0.0000406
5485604176140	548560	4176140	8.382585	8.382585	15.01313	15.01313	FALSE	20.6340404	8.382585	FALSE	927.43	280	0.03228	0.0000406
5485804176140	548580	4176140	8.378765	8.378765	14.45611	14.45611	FALSE	19.8684721	8.378765	FALSE	935.07	280	0.03228	0.0000406
5486004176140	548600	4176140	8.366899	8.366899	13.68008	13.68008	FALSE	18.8019047	8.366899	FALSE	943.08	280	0.03228	0.0000406
5486204176140	548620	4176140	8.36222	8.36222	13.42521	13.42521	FALSE	18.4516072	8.36222	FALSE	951.44	280	0.03228	0.0000406
5486404176140	548640	4176140	8.361271	8.361271	13.37511	13.37511	FALSE	18.3827443	8.361271	FALSE	960.14	280	0.03228	0.0000406
5486604176140	548660	4176140	8.366618	8.366618	13.62089	13.62089	FALSE	18.7205443	8.366618	FALSE	969.17	280	0.03228	0.0000406

5486804176140	548680	4176140	8.376921	8.376921	14.04947	14.04947	FALSE	19.3095874	8.376921	FALSE	978.53	280	0.03228	0.0000406
5487004176140	548700	4176140	8.393315	8.393315	14.68929	14.68929	FALSE	20.1889533	8.393315	FALSE	988.21	280	0.03228	0.0000406
5487204176140	548720	4176140	8.403282	8.403282	15.12303	15.12303	FALSE	20.7850966	8.403282	FALSE	998.20	280	0.03228	0.0000406
5487404176140	548740	4176140	8.410657	8.410657	15.53552	15.53552	FALSE	21.3520214	8.410657	FALSE	1008.48	280	0.03228	0.0000406
5487604176140	548760	4176140	8.416361	8.416361	15.97613	15.97613	FALSE	21.9575931	8.416361	FALSE	1019.05	280	0.03228	0.0000406
5487804176140	548780	4176140	8.416292	8.416292	16.1982	16.1982	FALSE	22.262802	8.416292	FALSE	1029.90	280	0.03228	0.0000406
5488004176140	548800	4176140	8.418692	8.418692	16.46272	16.46272	FALSE	22.6263624	8.418692	FALSE	1041.02	280	0.03228	0.0000406
5488204176140	548820	4176140	8.41271	8.41271	16.22777	16.22777	FALSE	22.3034526	8.41271	FALSE	1052.41	280	0.03228	0.0000406
5488404176140	548840	4176140	8.411379	8.411379	16.16207	16.16207	FALSE	22.2131463	8.411379	FALSE	1064.05	280	0.03228	0.0000406
5488604176140	548860	4176140	8.411905	8.411905	16.21427	16.21427	FALSE	22.2848927	8.411905	FALSE	1075.93	280	0.03228	0.0000406
5488804176140	548880	4176140	8.412013	8.412013	16.3033	16.3033	FALSE	22.407261	8.412013	FALSE	1088.05	280	0.03228	0.0000406
5489004176140	548900	4176140	8.411425	8.411425	16.2884	16.2884	FALSE	22.3867825	8.411425	FALSE	1100.41	280	0.03228	0.0000406
5489204176140	548920	4176140	8.411651	8.411651	16.30478	16.30478	FALSE	22.4092869	8.411651	FALSE	1112.98	280	0.03228	0.0000406
5489404176140	548940	4176140	8.412821	8.412821	16.33701	16.33701	FALSE	22.4535865	8.412821	FALSE	1125.77	280	0.03228	0.0000406
5489604176140	548960	4176140	8.412118	8.412118	16.3261	16.3261	FALSE	22.4385946	8.412118	FALSE	1138.77	280	0.03228	0.0000406
5489804176140	548980	4176140	8.413522	8.413522	16.39876	16.39876	FALSE	22.5384612	8.413522	FALSE	1151.97	280	0.03228	0.0000406
5490004176140	549000	4176140	8.416117	8.416117	16.51242	16.51242	FALSE	22.6946646	8.416117	FALSE	1165.36	280	0.03228	0.0000406
5490204176140	549020	4176140	8.417789	8.417789	16.62675	16.62675	FALSE	22.8517997	8.417789	FALSE	1178.94	280	0.03228	0.0000406
5470604176160	547060	4176160	8.190934	8.190934	4.315339	4.315339	FALSE	5.93100192	8.190934	FALSE	1451.71	280	0.03228	0.0000406
5470804176160	547080	4176160	8.189702	8.189702	4.228833	4.228833	FALSE	5.81210808	8.189702	FALSE	1435.86	280	0.03228	0.0000406
5471004176160	547100	4176160	8.192717	8.192717	4.260584	4.260584	FALSE	5.85574665	8.192717	FALSE	1420.11	280	0.03228	0.0000406
5471204176160	547120	4176160	8.198813	8.198813	4.375389	4.375389	FALSE	6.01353464	8.198813	FALSE	1404.48	280	0.03228	0.0000406
5471404176160	547140	4176160	8.208331	8.208331	4.576483	4.576483	FALSE	6.28991824	8.208331	FALSE	1388.95	280	0.03228	0.0000406
5471604176160	547160	4176160	8.228378	8.228378	4.982999	4.982999	FALSE	6.84863383	8.228378	FALSE	1373.54	280	0.03228	0.0000406
5471804176160	547180	4176160	8.226373	8.226373	5.005809	5.005809	FALSE	6.87998389	8.226373	FALSE	1358.25	280	0.03228	0.0000406
5472004176160	547200	4176160	8.226997	8.226997	5.083197	5.083197	FALSE	6.98634596	8.226997	FALSE	1343.09	280	0.03228	0.0000406
5472204176160	547220	4176160	8.240906	8.240906	5.48028	5.48028	FALSE	7.53209683	8.240906	FALSE	1328.05	280	0.03228	0.0000406
5472404176160	547240	4176160	8.298835	8.298835	7.060079	7.060079	FALSE	9.70337258	8.298835	FALSE	1313.15	280	0.03228	0.0000406
5472604176160	547260	4176160	8.304474	8.304474	7.37529	7.37529	FALSE	10.1365986	8.304474	FALSE	1298.38	280	0.03228	0.0000406
5472804176160	547280	4176160	8.23232	8.23232	5.285322	5.285322	FALSE	7.26414656	8.23232	FALSE	1283.75	280	0.03228	0.0000406
5473004176160	547300	4176160	8.183967	8.183967	3.862175	3.862175	FALSE	5.30817332	8.183967	FALSE	1269.27	280	0.03228	0.0000406
5473204176160	547320	4176160	8.161095	8.161095	3.17085	3.17085	FALSE	4.35801624	8.161095	FALSE	1254.95	280	0.03228	0.0000406
5473404176160	547340	4176160	8.146019	8.146019	2.701276	2.701276	FALSE	3.71263373	8.146019	FALSE	1240.77	280	0.03228	0.0000406
5473604176160	547360	4176160	8.13668	8.13668	2.410303	2.410303	FALSE	3.31272044	8.13668	FALSE	1226.77	280	0.03228	0.0000406
5473804176160	547380	4176160	8.131065	8.131065	2.238848	2.238848	FALSE	3.07707269	8.131065	FALSE	1212.93	280	0.03228	0.0000406
5474004176160	547400	4176160	8.125742	8.125742	2.065196	2.065196	FALSE	2.83840538	8.125742	FALSE	1199.26	280	0.03228	0.0000406
5474204176160	547420	4176160	8.120766	8.120766	1.899917	1.899917	FALSE	2.61124592	8.120766	FALSE	1185.77	280	0.03228	0.0000406
5474404176160	547440	4176160	8.117121	8.117121	1.781157	1.781157	FALSE	2.44802218	8.117121	FALSE	1172.47	280	0.03228	0.0000406
5474604176160	547460	4176160	8.116863	8.116863	1.763484	1.763484	FALSE	2.42373241	8.116863	FALSE	1159.36	280	0.03228	0.0000406
5474804176160	547480	4176160	8.117699	8.117699	1.78058	1.78058	FALSE	2.44722915	8.117699	FALSE	1146.45	280	0.03228	0.0000406
5475004176160	547500	4176160	8.11914	8.11914	1.806317	1.806317	FALSE	2.48260208	8.11914	FALSE	1133.75	280	0.03228	0.0000406
5475204176160	547520	4176160	8.119906	8.119906	1.812103	1.812103	FALSE	2.49055436	8.119906	FALSE	1121.26	280	0.03228	0.0000406
5475404176160	547540	4176160	8.120715	8.120715	1.809622	1.809622	FALSE	2.48714448	8.120715	FALSE	1108.99	280	0.03228	0.0000406
5475604176160	547560	4176160	8.121849	8.121849	1.815503	1.815503	FALSE	2.49522732	8.121849	FALSE	1096.94	280	0.03228	0.0000406
5475804176160	547580	4176160	8.124634	8.124634	1.887287	1.887287	FALSE	2.59388725	8.124634	FALSE	1085.14	280	0.03228	0.0000406
5476004176160	547600	4176160	8.127883	8.127883	1.980459	1.980459	FALSE	2.72194285	8.127883	FALSE	1073.57	280	0.03228	0.0000406
5476204176160	547620	4176160	8.131782	8.131782	2.094134	2.094134	FALSE	2.87817777	8.131782	FALSE	1062.26	280	0.03228	0.0000406
5476404176160	547640	4176160	8.135464	8.135464	2.20035	2.20035	FALSE	3.02416104	8.135464	FALSE	1051.20	280	0.03228	0.0000406
5476604176160	547660	4176160	8.140922	8.140922	2.368607	2.368607	FALSE	3.25541346	8.140922	FALSE	1040.41	280	0.03228	0.0000406
5476804176160	547680	4176160	8.149679	8.149679	2.648904	2.648904	FALSE	3.64065366	8.149679	FALSE	1029.90	280	0.03228	0.0000406
5477004176160	547700	4176160	8.156806	8.156806	2.877758	2.877758	FALSE	3.9551906	8.156806	FALSE	1019.67	280	0.03228	0.0000406
5477204176160	547720	4176160	8.166394	8.166394	3.174438	3.174438	FALSE	4.36294759	8.166394	FALSE	1009.73	280	0.03228	0.0000406
5477404176160	547740	4176160	8.181332	8.181332	3.609292	3.609292	FALSE	4.96061092	8.181332	FALSE	1000.09	280	0.03228	0.0000406
5477604176160	547760	4176160	8.206838	8.206838	4.264069	4.264069	FALSE	5.86053643	8.206838	FALSE	990.77	280	0.03228	0.0000406
5477804176160	547780	4176160	8.248725	8.248725	5.235817	5.235817	FALSE	7.19610688	8.248725	FALSE	981.76	280	0.03228	0.0000406
5478004176160	547800	4176160	8.316008	8.316008	6.660016	6.660016	FALSE	9.15352599	8.316008	FALSE	973.08	280	0.03228	0.0000406
5478204176160	547820	4176160	8.272497	8.272497	5.90737	5.90737	FALSE	8.11908933	8.272497	FALSE	964.74	280	0.03228	0.0000406
5478404176160	547840	4176160	8.254492	8.254492	5.694224	5.694224	FALSE	7.82614147	8.254492	FALSE	956.74	280	0.03228	0.0000406
5478604176160	547860	4176160	8.253421	8.253421	5.849106	5.849106	FALSE	8.03901129	8.253421	FALSE	949.10	280	0.03228	0.0000406
5478804176160	547880	4176160	8.271046	8.271046	6.553465	6.553465	FALSE	9.0070823	8.271046	FALSE	941.82	280	0.03228	0.0000406
5479004176160	547900	4176160	8.299069	8.299069	7.654846	7.654846	FALSE	10.5208203	8.299069	FALSE	934.91	280	0.03228	0.0000406
5479204176160	547920	4176160	8.340089	8.340089	9.354825	9.354825	FALSE	12.8572715	8.340089	FALSE	928.38	280	0.03228	0.0000406
5479404176160	547940	4176160	8.427062	8.427062	13.09567	13.09567	FALSE	17.9986847	8.427062	FALSE	922.24	280	0.03228	0.0000406
5479604176160	547960	4176160	8.561888	8.561888	18.26758	18.26758	FALSE	25.106962	8.561888	FALSE	916.49	280	0.03228	0.0000406
5479804176160	547980	4176160	8.548672	8.548672	14.95559	14.95559	FALSE	20.5549656	8.548672	FALSE	911.15	280	0.03228	0.0000406
5480004176160	548000	4176160	8.486562	8.486562	11.9608	11.9608	FALSE	16.4389235	8.486562	FALSE	906.21	280	0.03228	0.0000406
5480204176160	548020	4176160	8.659082	8.659082	15.91948	15.91948	FALSE	21.8797292	8.659082	FALSE	901.69	280	0.03228	0.0000406
5480404176160	548040	4176160	8.590209	8.590209	14.07432	14.07432	FALSE	19.343744	8.590209	FALSE	897.60	280	0.03228	0.0000406
5480604176160	548060	4176160	8.536748	8.536748	12.46856	12.46856	FALSE	17.1367834	8.536748	FALSE	893.94	280	0.03228	0.0000406
5480804176160	548080	4176160	8.538996	8.538996	12.36155	12.36155	FALSE	16.9897143	8.538996	FALSE	890.70	280	0.03228	0.0000406
5481004176160	548100	4176160	8.623849	8.623849	13.73684	13.73684	FALSE	18.8799156	8.623849	FALSE	887.91	280	0.03228	0.0000406
5481204176160	548120	4176160	8.514761	8.514761	12.18943	12.18943	FALSE	16.7531471	8.514761	FALSE	885.56	280	0.03228	0.0000406
5481404176160	548140	4176160	8.606225	8.606225	14.27533	14.27533	FALSE	19.6200081	8.606225	FALSE	883.66	280	0.03228	0.0000406
5481604176160	548160	4176160	8.614177	8.614177	16.65273	16.65273	FALSE	22.8875149	8.614177	FALSE	882.21	280	0.03228	0.0000406
5481804176160	548180	4176160	8.631436	8.631436	20.80534	20.80534	FALSE	28.5948648	8.631436	FALSE	881.20	280	0.03228	0.0000406
5482004176160	548200	4176160	8.58368	8.58368	20.14576	20.14576	FALSE	27.6883312	8.58368	FALSE	880.66	280	0.03228	0.0000406
5482204176160	548220	4176160	8.498893	8.498893	16.71811	16.71811	FALSE	22.9773649	8.498893	FALSE	880.56	280	0.03228	0.0000406
5482404176160	548240	4176160	8.545673	8.545673	19.45823	19.45823	FALSE	26.7433941	8.545673	FALSE	880.92	280	0.03228	0.0000406
5482604176160	548260	4176160	8.572816	8.572816	21.09377	21.09377	FALSE	28.991272	8.572816	FALSE	881.73	280	0.03228	0.0000406
5482804176160	548280	4176160	8.566505	8.566505	21.05617	21.05617	FALSE	28.9395987	8.566505	FALSE	883.00	280	0.03228	0.0000406
5483004176160	548300	4176160	8.571032	8.571032	21.5418	21.5418	FALSE	29.6070485	8.571032	FALSE	884.71	280	0.03228	0.0000406
5483204176160	548320	4176160	8.568175	8.568175	21.73186	21.73186	FALSE	29.8682615	8.568175	FALSE	886.88	280	0.03228	0.0000406
5483404176160	548340	4176160	8.604346	8.604346	23.97044	23.97044	FALSE	32.9449672	8.604346	FALSE	889.49	280	0.03228	0.0000406
5483604176160	548360	4176160	8.583147	8.583147	22.67865	22.67865	FALSE	31.1695366	8.583147	FALSE	892.54	280	0.03228	0.0000406
5483804176160	548380	4176160	8.614456	8.614456	24.70836	24.70836	FALSE	33.9591727	8.614456	FALSE	896.02	280	0.03228	0.0000406
5484004176160	548400	4176160	8.5837	8.5837	22.8325	22.8325	FALSE	31.3809811	8.5837	FALSE	899.94	280	0.03228	0.0000406
5484204176160	548420	4176160	8.574753	8.574753	22.26638	22.26638	FALSE	30.6029085	8.574753	FALSE	904.28	280	0.03228	0.0000406
5484404176160	548440	4176160	8.561521	8.561521	21.64601	21.64601	FALSE	29.7502734	8.561521	FALSE	909.04	280	0.03228	0.0000406
5484604176160	548460	4176160	8.561063	8.561063	21.66243	21.66243	FALSE	29.7728438	8.561063	FALSE	914.21	280	0.03228	0.0000406
5484804176160	548480	4176160	8.548061	8.548061	21.14184	21.14184	FALSE	29.057349	8.548061	FALSE	919.79	280	0.03228	0.0000406
5485004176160	548500	4176160	8.548483	8.548483	21.22467	21.22467	FALSE	29.1711823	8.548483	FALSE	925.77	280	0.03228	0.0000406
5485204176160	548520	4176160	8.522276	8.522276	20.15003	20.15003	FALSE	27.6942026	8.522276	FALSE	932.14	280	0.03228	0.0000406
5485404176160	548540	4176160	8.493825	8.493825	18.92355	18.92355	FALSE	26.0085326	8.493825	FALSE	938.89	280	0.03228	0.0000406
5485604176160	548560	4176160	8.515258	8.515258	19.87433	19.87433	FALSE	27.3152792	8.515258	FALSE	946.02	280	0.03228	0.0000406

5485804176160	548580	4176160	8.530005	8.530005	20.5764	20.5764	FALSE	28.2802014	8.530005	FALSE	953.51	280	0.03228	0.0000406
5486004176160	548600	4176160	8.480522	8.480522	18.04515	18.04515	FALSE	24.80125	8.480522	FALSE	961.36	280	0.03228	0.0000406
5486204176160	548620	4176160	8.486176	8.486176	18.33101	18.33101	FALSE	25.194136	8.486176	FALSE	969.56	280	0.03228	0.0000406
5486404176160	548640	4176160	8.501252	8.501252	19.08002	19.08002	FALSE	26.223574	8.501252	FALSE	978.10	280	0.03228	0.0000406
5486604176160	548660	4176160	8.524034	8.524034	20.18656	20.18656	FALSE	27.7444122	8.524034	FALSE	986.97	280	0.03228	0.0000406
5486804176160	548680	4176160	8.530239	8.530239	20.47797	20.47797	FALSE	28.1449247	8.530239	FALSE	996.17	280	0.03228	0.0000406
5487004176160	548700	4176160	8.55419	8.55419	21.01746	21.01746	FALSE	28.8863956	8.55419	FALSE	1005.68	280	0.03228	0.0000406
5487204176160	548720	4176160	8.569687	8.569687	21.2219	21.2219	FALSE	29.1673725	8.569687	FALSE	1015.49	280	0.03228	0.0000406
5487404176160	548740	4176160	8.579858	8.579858	21.75865	21.75865	FALSE	29.9050844	8.579858	FALSE	1025.60	280	0.03228	0.0000406
5487604176160	548760	4176160	8.584615	8.584615	22.77811	22.77811	FALSE	31.3062303	8.584615	FALSE	1035.99	280	0.03228	0.0000406
5487804176160	548780	4176160	8.581609	8.581609	23.62122	23.62122	FALSE	32.465002	8.581609	FALSE	1046.67	280	0.03228	0.0000406
5488004176160	548800	4176160	8.58318	8.58318	24.20019	24.20019	FALSE	33.2607384	8.58318	FALSE	1057.62	280	0.03228	0.0000406
5488204176160	548820	4176160	8.581144	8.581144	24.30239	24.30239	FALSE	33.4012021	8.581144	FALSE	1068.82	280	0.03228	0.0000406
5488404176160	548840	4176160	8.574702	8.574702	24.09721	24.09721	FALSE	33.1192068	8.574702	FALSE	1080.29	280	0.03228	0.0000406
5488604176160	548860	4176160	8.569734	8.569734	23.9352	23.9352	FALSE	32.896543	8.569734	FALSE	1091.99	280	0.03228	0.0000406
5488804176160	548880	4176160	8.571285	8.571285	24.11253	24.11253	FALSE	33.1402585	8.571285	FALSE	1103.94	280	0.03228	0.0000406
5489004176160	548900	4176160	8.567487	8.567487	23.97889	23.97889	FALSE	32.9565919	8.567487	FALSE	1116.12	280	0.03228	0.0000406
5489204176160	548920	4176160	8.563835	8.563835	23.84074	23.84074	FALSE	32.7667117	8.563835	FALSE	1128.52	280	0.03228	0.0000406
5489404176160	548940	4176160	8.555639	8.555639	23.44223	23.44223	FALSE	32.2190064	8.555639	FALSE	1141.13	280	0.03228	0.0000406
5489604176160	548960	4176160	8.55176	8.55176	23.29859	23.29859	FALSE	32.0215876	8.55176	FALSE	1153.96	280	0.03228	0.0000406
5489804176160	548980	4176160	8.54551	8.54551	23.03566	23.03566	FALSE	31.660207	8.54551	FALSE	1166.98	280	0.03228	0.0000406
5490004176160	549000	4176160	8.549834	8.549834	23.28496	23.28496	FALSE	32.0028422	8.549834	FALSE	1180.21	280	0.03228	0.0000406
5490204176160	549020	4176160	8.547756	8.547756	23.22476	23.22476	FALSE	31.9201074	8.547756	FALSE	1193.62	280	0.03228	0.0000406
5470604176180	547060	4176180	8.197009	8.197009	4.49062	4.49062	FALSE	6.17190813	8.197009	FALSE	1463.93	280	0.03228	0.0000406
5470804176180	547080	4176180	8.197943	8.197943	4.471136	4.471136	FALSE	6.14512932	8.197943	FALSE	1448.21	280	0.03228	0.0000406
5471004176180	547100	4176180	8.2026	8.2026	4.538167	4.538167	FALSE	6.23725672	8.2026	FALSE	1432.60	280	0.03228	0.0000406
5471204176180	547120	4176180	8.213929	8.213929	4.743789	4.743789	FALSE	6.5198636	8.213929	FALSE	1417.10	280	0.03228	0.0000406
5471404176180	547140	4176180	8.239086	8.239086	5.213944	5.213944	FALSE	7.16604463	8.239086	FALSE	1401.72	280	0.03228	0.0000406
5471604176180	547160	4176180	8.236043	8.236043	5.178716	5.178716	FALSE	7.11762727	8.236043	FALSE	1386.45	280	0.03228	0.0000406
5471804176180	547180	4176180	8.230031	8.230031	5.133806	5.133806	FALSE	7.05590297	8.230031	FALSE	1371.30	280	0.03228	0.0000406
5472004176180	547200	4176180	8.236085	8.236085	5.34319	5.34319	FALSE	7.34368034	8.236085	FALSE	1356.29	280	0.03228	0.0000406
5472204176180	547220	4176180	8.261801	8.261801	6.11051	6.11051	FALSE	8.39828494	8.261801	FALSE	1341.40	280	0.03228	0.0000406
5472404176180	547240	4176180	8.351838	8.351838	8.749856	8.749856	FALSE	12.0258021	8.351838	FALSE	1326.64	280	0.03228	0.0000406
5472604176180	547260	4176180	8.33707	8.33707	8.355259	8.355259	FALSE	11.483468	8.33707	FALSE	1312.03	280	0.03228	0.0000406
5472804176180	547280	4176180	8.230864	8.230864	5.251504	5.251504	FALSE	7.2176671	8.230864	FALSE	1297.55	280	0.03228	0.0000406
5473004176180	547300	4176180	8.189224	8.189224	4.028074	4.028074	FALSE	5.53618491	8.189224	FALSE	1283.23	280	0.03228	0.0000406
5473204176180	547320	4176180	8.16421	8.16421	3.279266	3.279266	FALSE	4.50702319	8.16421	FALSE	1269.06	280	0.03228	0.0000406
5473404176180	547340	4176180	8.145083	8.145083	2.680109	2.680109	FALSE	3.68354181	8.145083	FALSE	1255.05	280	0.03228	0.0000406
5473604176180	547360	4176180	8.134175	8.134175	2.33849	2.33849	FALSE	3.21402066	8.134175	FALSE	1241.20	280	0.03228	0.0000406
5473804176180	547380	4176180	8.128455	8.128455	2.161185	2.161185	FALSE	2.97033266	8.128455	FALSE	1227.52	280	0.03228	0.0000406
5474004176180	547400	4176180	8.123832	8.123832	2.010124	2.010124	FALSE	2.76271443	8.123832	FALSE	1214.02	280	0.03228	0.0000406
5474204176180	547420	4176180	8.118928	8.118928	1.84648	1.84648	FALSE	2.53780211	8.118928	FALSE	1200.70	280	0.03228	0.0000406
5474404176180	547440	4176180	8.115011	8.115011	1.720366	1.720366	FALSE	2.36447103	8.115011	FALSE	1187.56	280	0.03228	0.0000406
5474604176180	547460	4176180	8.115014	8.115014	1.709043	1.709043	FALSE	2.3489087	8.115014	FALSE	1174.62	280	0.03228	0.0000406
5474804176180	547480	4176180	8.116311	8.116311	1.736761	1.736761	FALSE	2.38700432	8.116311	FALSE	1161.88	280	0.03228	0.0000406
5475004176180	547500	4176180	8.118473	8.118473	1.779311	1.779311	FALSE	2.44548504	8.118473	FALSE	1149.35	280	0.03228	0.0000406
5475204176180	547520	4176180	8.118841	8.118841	1.767295	1.767295	FALSE	2.42897025	8.118841	FALSE	1137.03	280	0.03228	0.0000406
5475404176180	547540	4176180	8.119235	8.119235	1.747708	1.747708	FALSE	2.40204988	8.119235	FALSE	1124.93	280	0.03228	0.0000406
5475604176180	547560	4176180	8.119805	8.119805	1.732457	1.732457	FALSE	2.3810889	8.119805	FALSE	1113.06	280	0.03228	0.0000406
5475804176180	547580	4176180	8.122708	8.122708	1.799799	1.799799	FALSE	2.47364375	8.122708	FALSE	1101.43	280	0.03228	0.0000406
5476004176180	547600	4176180	8.126338	8.126338	1.898972	1.898972	FALSE	2.60994712	8.126338	FALSE	1090.03	280	0.03228	0.0000406
5476204176180	547620	4176180	8.1307	8.1307	2.026469	2.026469	FALSE	2.78517899	8.1307	FALSE	1078.89	280	0.03228	0.0000406
5476404176180	547640	4176180	8.134408	8.134408	2.133468	2.133468	FALSE	2.93223842	8.134408	FALSE	1068.01	280	0.03228	0.0000406
5476604176180	547660	4176180	8.139058	8.139058	2.272277	2.272277	FALSE	3.12301751	8.139058	FALSE	1057.39	280	0.03228	0.0000406
5476804176180	547680	4176180	8.146074	8.146074	2.490221	2.490221	FALSE	3.42255974	8.146074	FALSE	1047.05	280	0.03228	0.0000406
5477004176180	547700	4176180	8.15164	8.15164	2.6604	2.6604	FALSE	3.65645376	8.15164	FALSE	1036.99	280	0.03228	0.0000406
5477204176180	547720	4176180	8.160913	8.160913	2.950339	2.950339	FALSE	4.05494592	8.160913	FALSE	1027.22	280	0.03228	0.0000406
5477404176180	547740	4176180	8.175621	8.175621	3.38613	3.38613	FALSE	4.65389707	8.175621	FALSE	1017.75	280	0.03228	0.0000406
5477604176180	547760	4176180	8.196872	8.196872	3.933324	3.933324	FALSE	5.40596051	8.196872	FALSE	1008.58	280	0.03228	0.0000406
5477804176180	547780	4176180	8.241119	8.241119	4.946861	4.946861	FALSE	6.79896576	8.241119	FALSE	999.74	280	0.03228	0.0000406
5478004176180	547800	4176180	8.240139	8.240139	5.067388	5.067388	FALSE	6.96461807	8.240139	FALSE	991.22	280	0.03228	0.0000406
5478204176180	547820	4176180	8.25543	8.25543	5.467624	5.467624	FALSE	7.51470243	8.25543	FALSE	983.03	280	0.03228	0.0000406
5478404176180	547840	4176180	8.237453	8.237453	5.25551	5.25551	FALSE	7.22317294	8.237453	FALSE	975.18	280	0.03228	0.0000406
5478604176180	547860	4176180	8.233943	8.233943	5.36084	5.36084	FALSE	7.3679385	8.233943	FALSE	967.68	280	0.03228	0.0000406
5478804176180	547880	4176180	8.238858	8.238858	5.724111	5.724111	FALSE	7.86721816	8.238858	FALSE	960.54	280	0.03228	0.0000406
5479004176180	547900	4176180	8.255365	8.255365	6.525175	6.525175	FALSE	8.96820052	8.255365	FALSE	953.77	280	0.03228	0.0000406
5479204176180	547920	4176180	8.292671	8.292671	8.233125	8.233125	FALSE	11.315607	8.292671	FALSE	947.37	280	0.03228	0.0000406
5479404176180	547940	4176180	8.382644	8.382644	12.51248	12.51248	FALSE	17.197147	8.382644	FALSE	941.35	280	0.03228	0.0000406
5479604176180	547960	4176180	8.458039	8.458039	15.88593	15.88593	FALSE	21.8336249	8.458039	FALSE	935.72	280	0.03228	0.0000406
5479804176180	547980	4176180	8.353061	8.353061	10.07214	10.07214	FALSE	13.8431423	8.353061	FALSE	930.49	280	0.03228	0.0000406
5480004176180	548000	4176180	8.339856	8.339856	8.801496	8.801496	FALSE	12.0967761	8.339856	FALSE	925.66	280	0.03228	0.0000406
5480204176180	548020	4176180	8.38118	8.38118	9.31112	9.31112	FALSE	12.7972033	8.38118	FALSE	921.24	280	0.03228	0.0000406
5480404176180	548040	4176180	8.426875	8.426875	10.19046	10.19046	FALSE	14.0057682	8.426875	FALSE	917.23	280	0.03228	0.0000406
5480604176180	548060	4176180	8.428551	8.428551	10.23942	10.23942	FALSE	14.0730561	8.428551	FALSE	913.64	280	0.03228	0.0000406
5480804176180	548080	4176180	8.435171	8.435171	10.40692	10.40692	FALSE	14.3032695	8.435171	FALSE	910.48	280	0.03228	0.0000406
5481004176180	548100	4176180	8.437189	8.437189	10.49736	10.49736	FALSE	14.4275702	8.437189	FALSE	907.75	280	0.03228	0.0000406
5481204176180	548120	4176180	8.471488	8.471488	11.51617	11.51617	FALSE	15.8278199	8.471488	FALSE	905.45	280	0.03228	0.0000406
5481404176180	548140	4176180	8.502071	8.502071	12.61606	12.61606	FALSE	17.339517	8.502071	FALSE	903.59	280	0.03228	0.0000406
5481604176180	548160	4176180	8.518351	8.518351	13.8073	13.8073	FALSE	18.976749	8.518351	FALSE	902.17	280	0.03228	0.0000406
5481804176180	548180	4176180	8.516385	8.516385	14.71582	14.71582	FALSE	20.2254175	8.516385	FALSE	901.19	280	0.03228	0.0000406
5482004176180	548200	4176180	8.487476	8.487476	14.60942	14.60942	FALSE	20.0791896	8.487476	FALSE	900.65	280	0.03228	0.0000406
5482204176180	548220	4176180	8.481278	8.481278	14.7839	14.7839	FALSE	20.3189963	8.481278	FALSE	900.56	280	0.03228	0.0000406
5482404176180	548240	4176180	8.492576	8.492576	15.57951	15.57951	FALSE	21.4124744	8.492576	FALSE	900.91	280	0.03228	0.0000406
5482604176180	548260	4176180	8.516813	8.516813	16.93969	16.93969	FALSE	23.2819086	8.516813	FALSE	901.71	280	0.03228	0.0000406
5482804176180	548280	4176180	8.534201	8.534201	17.93267	17.93267	FALSE	24.6466671	8.534201	FALSE	902.94	280	0.03228	0.0000406
5483004176180	548300	4176180	8.52922	8.52922	17.93928	17.93928	FALSE	24.6557451	8.52922	FALSE	904.62	280	0.03228	0.0000406
5483204176180	548320	4176180	8.553193	8.553193	19.27355	19.27355	FALSE	26.4895671	8.553193	FALSE	906.74	280	0.03228	0.0000406
5483404176180	548340	4176180	8.601234	8.601234	22.03341	22.03341	FALSE	30.2827228	8.601234	FALSE	909.29	280	0.03228	0.0000406
5483604176180	548360	4176180	8.61309	8.61309	22.73017	22.73017	FALSE	31.2403402	8.61309	FALSE	912.27	280	0.03228	0.0000406
5483804176180	548380	4176180	8.662992	8.662992	24.90858	24.90858	FALSE	34.2343524	8.662992	FALSE	915.68	280	0.03228	0.0000406
5484004176180	548400	4176180	8.634213	8.634213	22.8779	22.8779	FALSE	31.4433816	8.634213	FALSE	919.52	280	0.03228	0.0000406
5484204176180	548420	4176180	8.625873	8.625873	22.15785	22.15785	FALSE	30.4537463	8.625873	FALSE	923.76	280	0.03228	0.0000406
5484404176180	548440	4176180	8.520629	8.520629	18.87602	18.87602	FALSE	25.943195	8.520629	FALSE	928.43	280	0.03228	0.0000406
5484604176180	548460	4176180	8.610108	8.610108	21.45571	21.45571	FALSE	29.4887333	8.610108	FALSE	933.49	280	0.03228	0.0000406

5484804176180	548480	4176180	8.628416	8.628416	22.10918	22.10918	FALSE	30.3868625	8.628416	FALSE	938.96	280	0.03228	0.0000406
5485004176180	548500	4176180	8.526724	8.526724	19.27678	19.27678	FALSE	26.4940064	8.526724	FALSE	944.81	280	0.03228	0.0000406
5485204176180	548520	4176180	8.622956	8.622956	22.108	22.108	FALSE	30.3852352	8.622956	FALSE	951.06	280	0.03228	0.0000406
5485404176180	548540	4176180	8.630307	8.630307	22.5202	22.5202	FALSE	30.951767	8.630307	FALSE	957.67	280	0.03228	0.0000406
5485604176180	548560	4176180	8.634579	8.634579	23.00528	23.00528	FALSE	31.6184513	8.634579	FALSE	964.66	280	0.03228	0.0000406
5485804176180	548580	4176180	8.702292	8.702292	25.82062	25.82062	FALSE	35.4878629	8.702292	FALSE	972.01	280	0.03228	0.0000406
5486004176180	548600	4176180	8.510172	8.510172	18.71282	18.71282	FALSE	25.7188929	8.510172	FALSE	979.71	280	0.03228	0.0000406
5486204176180	548620	4176180	8.623025	8.623025	21.81415	21.81415	FALSE	29.9813636	8.623025	FALSE	987.76	280	0.03228	0.0000406
5486404176180	548640	4176180	8.507724	8.507724	18.68341	18.68341	FALSE	25.678476	8.507724	FALSE	996.15	280	0.03228	0.0000406
5486604176180	548660	4176180	8.701392	8.701392	24.7134	24.7134	FALSE	33.9660983	8.701392	FALSE	1004.86	280	0.03228	0.0000406
5486804176180	548680	4176180	8.568877	8.568877	21.27586	21.27586	FALSE	29.2415392	8.568877	FALSE	1013.89	280	0.03228	0.0000406
5487004176180	548700	4176180	8.635497	8.635497	24.76482	24.76482	FALSE	34.0367617	8.635497	FALSE	1023.23	280	0.03228	0.0000406
5487204176180	548720	4176180	8.661267	8.661267	25.05671	25.05671	FALSE	34.4379422	8.661267	FALSE	1032.88	280	0.03228	0.0000406
5487404176180	548740	4176180	8.828751	8.828751	33.33323	33.33323	FALSE	45.8131899	8.828751	FALSE	1042.82	280	0.03228	0.0000406
5487604176180	548760	4176180	8.687475	8.687475	27.06316	27.06316	FALSE	37.1956071	8.687475	FALSE	1053.05	280	0.03228	0.0000406
5487804176180	548780	4176180	8.834276	8.834276	35.62229	35.62229	FALSE	48.9592699	8.834276	FALSE	1063.55	280	0.03228	0.0000406
5488004176180	548800	4176180	8.653971	8.653971	27.57483	27.57483	FALSE	37.8988491	8.653971	FALSE	1074.32	280	0.03228	0.0000406
5488204176180	548820	4176180	8.81394	8.81394	35.47214	35.47214	FALSE	48.7529092	8.81394	FALSE	1085.36	280	0.03228	0.0000406
5488404176180	548840	4176180	8.675934	8.675934	28.99306	28.99306	FALSE	39.8480658	8.675934	FALSE	1096.65	280	0.03228	0.0000406
5488604176180	548860	4176180	8.657721	8.657721	28.29263	28.29263	FALSE	38.8853948	8.657721	FALSE	1108.18	280	0.03228	0.0000406
5488804176180	548880	4176180	8.781715	8.781715	34.36769	34.36769	FALSE	47.2349559	8.781715	FALSE	1119.96	280	0.03228	0.0000406
5489004176180	548900	4176180	8.647267	8.647267	27.94499	27.94499	FALSE	38.4075888	8.647267	FALSE	1131.96	280	0.03228	0.0000406
5489204176180	548920	4176180	8.836976	8.836976	36.99716	36.99716	FALSE	50.8488926	8.836976	FALSE	1144.19	280	0.03228	0.0000406
5489404176180	548940	4176180	8.847576	8.847576	37.75977	37.75977	FALSE	51.8970238	8.847576	FALSE	1156.64	280	0.03228	0.0000406
5489604176180	548960	4176180	8.665629	8.665629	28.99533	28.99533	FALSE	39.8511788	8.665629	FALSE	1169.29	280	0.03228	0.0000406
5489804176180	548980	4176180	8.803772	8.803772	35.67453	35.67453	FALSE	49.0310713	8.803772	FALSE	1182.15	280	0.03228	0.0000406
5490004176180	549000	4176180	8.661684	8.661684	28.89759	28.89759	FALSE	39.7168463	8.661684	FALSE	1195.20	280	0.03228	0.0000406
5470804176200	547080	4176200	8.207486	8.207486	4.730452	4.730452	FALSE	6.50153323	8.207486	FALSE	1460.73	280	0.03228	0.0000406
5471004176200	547100	4176200	8.211757	8.211757	4.761697	4.761697	FALSE	6.54447636	8.211757	FALSE	1445.26	280	0.03228	0.0000406
5471204176200	547120	4176200	8.21969	8.21969	4.887227	4.887227	FALSE	6.71700479	8.21969	FALSE	1429.89	280	0.03228	0.0000406
5471404176200	547140	4176200	8.260656	8.260656	5.70502	5.70502	FALSE	7.84097949	8.260656	FALSE	1414.65	280	0.03228	0.0000406
5471604176200	547160	4176200	8.265826	8.265826	5.796477	5.796477	FALSE	7.96667799	8.265826	FALSE	1399.52	280	0.03228	0.0000406
5471804176200	547180	4176200	8.246114	8.246114	5.490224	5.490224	FALSE	7.54576387	8.246114	FALSE	1384.52	280	0.03228	0.0000406
5472004176200	547200	4176200	8.25884	8.25884	5.900396	5.900396	FALSE	8.10950426	8.25884	FALSE	1369.65	280	0.03228	0.0000406
5472204176200	547220	4176200	8.314548	8.314548	7.575882	7.575882	FALSE	10.4122922	8.314548	FALSE	1354.90	280	0.03228	0.0000406
5472404176200	547240	4176200	8.349531	8.349531	8.601346	8.601346	FALSE	11.8216899	8.349531	FALSE	1340.30	280	0.03228	0.0000406
5472604176200	547260	4176200	8.270184	8.270184	6.395545	6.395545	FALSE	8.79003705	8.270184	FALSE	1325.83	280	0.03228	0.0000406
5472804176200	547280	4176200	8.218153	8.218153	4.872548	4.872548	FALSE	6.69682997	8.218153	FALSE	1311.51	280	0.03228	0.0000406
5473004176200	547300	4176200	8.186403	8.186403	3.946796	3.946796	FALSE	5.42447642	8.186403	FALSE	1297.34	280	0.03228	0.0000406
5473204176200	547320	4176200	8.163679	8.163679	3.2729	3.2729	FALSE	4.49827376	8.163679	FALSE	1283.33	280	0.03228	0.0000406
5473404176200	547340	4176200	8.145592	8.145592	2.708718	2.708718	FALSE	3.72286202	8.145592	FALSE	1269.47	280	0.03228	0.0000406
5473604176200	547360	4176200	8.134042	8.134042	2.345075	2.345075	FALSE	3.22307108	8.134042	FALSE	1255.79	280	0.03228	0.0000406
5473804176200	547380	4176200	8.12709	8.12709	2.128141	2.128141	FALSE	2.92491699	8.12709	FALSE	1242.27	280	0.03228	0.0000406
5474004176200	547400	4176200	8.121768	8.121768	1.954134	1.954134	FALSE	2.68576177	8.121768	FALSE	1228.93	280	0.03228	0.0000406
5474204176200	547420	4176200	8.117487	8.117487	1.810387	1.810387	FALSE	2.48819589	8.117487	FALSE	1215.77	280	0.03228	0.0000406
5474404176200	547440	4176200	8.114966	8.114966	1.725579	1.725579	FALSE	2.37163578	8.114966	FALSE	1202.80	280	0.03228	0.0000406
5474604176200	547460	4176200	8.114791	8.114791	1.707367	1.707367	FALSE	2.3466052	8.114791	FALSE	1190.03	280	0.03228	0.0000406
5474804176200	547480	4176200	8.115856	8.115856	1.724954	1.724954	FALSE	2.37077678	8.115856	FALSE	1177.45	280	0.03228	0.0000406
5475004176200	547500	4176200	8.11804	8.11804	1.758683	1.758683	FALSE	2.41713392	8.11804	FALSE	1165.09	280	0.03228	0.0000406
5475204176200	547520	4176200	8.121408	8.121408	1.808088	1.808088	FALSE	2.48503615	8.121408	FALSE	1152.94	280	0.03228	0.0000406
5475404176200	547540	4176200	8.124867	8.124867	1.849115	1.849115	FALSE	2.54142366	8.124867	FALSE	1141.01	280	0.03228	0.0000406
5475604176200	547560	4176200	8.125053	8.125053	1.82406	1.82406	FALSE	2.50698806	8.125053	FALSE	1129.31	280	0.03228	0.0000406
5475804176200	547580	4176200	8.12814	8.12814	1.889125	1.889125	FALSE	2.5964134	8.12814	FALSE	1117.84	280	0.03228	0.0000406
5476004176200	547600	4176200	8.134781	8.134781	2.041612	2.041612	FALSE	2.80599153	8.134781	FALSE	1106.62	280	0.03228	0.0000406
5476204176200	547620	4176200	8.136023	8.136023	2.103754	2.103754	FALSE	2.8913995	8.136023	FALSE	1095.64	280	0.03228	0.0000406
5476404176200	547640	4176200	8.137076	8.137076	2.165962	2.165962	FALSE	2.97689817	8.137076	FALSE	1084.93	280	0.03228	0.0000406
5476604176200	547660	4176200	8.14087	8.14087	2.28329	2.28329	FALSE	3.13815378	8.14087	FALSE	1074.48	280	0.03228	0.0000406
5476804176200	547680	4176200	8.146473	8.146473	2.452183	2.452183	FALSE	3.37028032	8.146473	FALSE	1064.30	280	0.03228	0.0000406
5477004176200	547700	4176200	8.151809	8.151809	2.609332	2.609332	FALSE	3.5862659	8.151809	FALSE	1054.40	280	0.03228	0.0000406
5477204176200	547720	4176200	8.160587	8.160587	2.872532	2.872532	FALSE	3.94800798	8.160587	FALSE	1044.80	280	0.03228	0.0000406
5477404176200	547740	4176200	8.173855	8.173855	3.263691	3.263691	FALSE	4.48561691	8.173855	FALSE	1035.49	280	0.03228	0.0000406
5477604176200	547760	4176200	8.194793	8.194793	3.800691	3.800691	FALSE	5.22366971	8.194793	FALSE	1026.48	280	0.03228	0.0000406
5477804176200	547780	4176200	8.238867	8.238867	4.796342	4.796342	FALSE	6.59209244	8.238867	FALSE	1017.79	280	0.03228	0.0000406
5478004176200	547800	4176200	8.3259	8.3259	6.612725	6.612725	FALSE	9.08852924	8.3259	FALSE	1009.42	280	0.03228	0.0000406
5478204176200	547820	4176200	8.240666	8.240666	5.082227	5.082227	FALSE	6.98501279	8.240666	FALSE	1001.38	280	0.03228	0.0000406
5478404176200	547840	4176200	8.225636	8.225636	4.936657	4.936657	FALSE	6.78494138	8.225636	FALSE	993.68	280	0.03228	0.0000406
5478604176200	547860	4176200	8.219585	8.219585	4.966087	4.966087	FALSE	6.82538997	8.219585	FALSE	986.32	280	0.03228	0.0000406
5478804176200	547880	4176200	8.223324	8.223324	5.308288	5.308288	FALSE	7.29571103	8.223324	FALSE	979.32	280	0.03228	0.0000406
5479004176200	547900	4176200	8.236544	8.236544	6.047087	6.047087	FALSE	8.31111637	8.236544	FALSE	972.68	280	0.03228	0.0000406
5479204176200	547920	4176200	8.266175	8.266175	7.573105	7.573105	FALSE	10.4084755	8.266175	FALSE	966.40	280	0.03228	0.0000406
5479404176200	547940	4176200	8.376852	8.376852	13.12253	13.12253	FALSE	18.0356011	8.376852	FALSE	960.50	280	0.03228	0.0000406
5479604176200	547960	4176200	8.384219	8.384219	13.09801	13.09801	FALSE	18.0019049	8.384219	FALSE	954.99	280	0.03228	0.0000406
5479804176200	547980	4176200	8.301574	8.301574	8.667999	8.667999	FALSE	11.9132978	8.301574	FALSE	949.86	280	0.03228	0.0000406
5480004176200	548000	4176200	8.29008	8.29008	7.587819	7.587819	FALSE	10.4286984	8.29008	FALSE	945.13	280	0.03228	0.0000406
5480204176200	548020	4176200	8.324206	8.324206	7.919157	7.919157	FALSE	10.8840894	8.324206	FALSE	940.80	280	0.03228	0.0000406
5480404176200	548040	4176200	8.331087	8.331087	7.843185	7.843185	FALSE	10.7796735	8.331087	FALSE	936.87	280	0.03228	0.0000406
5480604176200	548060	4176200	8.313888	8.313888	7.366594	7.366594	FALSE	10.1246468	8.313888	FALSE	933.36	280	0.03228	0.0000406
5480804176200	548080	4176200	8.308368	8.308368	7.200238	7.200238	FALSE	9.89600711	8.308368	FALSE	930.27	280	0.03228	0.0000406
5481004176200	548100	4176200	8.302409	8.302409	7.056604	7.056604	FALSE	9.69859654	8.302409	FALSE	927.59	280	0.03228	0.0000406
5481204176200	548120	4176200	8.318603	8.318603	7.544164	7.544164	FALSE	10.368699	8.318603	FALSE	925.35	280	0.03228	0.0000406
5481404176200	548140	4176200	8.338546	8.338546	8.203396	8.203396	FALSE	11.2747475	8.338546	FALSE	923.52	280	0.03228	0.0000406
5481604176200	548160	4176200	8.367563	8.367563	9.071947	9.071947	FALSE	12.468484	8.367563	FALSE	922.13	280	0.03228	0.0000406
5481804176200	548180	4176200	8.32168	8.32168	8.142705	8.142705	FALSE	11.1913338	8.32168	FALSE	921.17	280	0.03228	0.0000406
5482004176200	548200	4176200	8.290049	8.290049	7.583421	7.583421	FALSE	10.4226538	8.290049	FALSE	920.65	280	0.03228	0.0000406
5482204176200	548220	4176200	8.285454	8.285454	7.747923	7.747923	FALSE	10.6487454	8.285454	FALSE	920.56	280	0.03228	0.0000406
5482404176200	548240	4176200	8.293371	8.293371	8.326966	8.326966	FALSE	11.4445821	8.293371	FALSE	920.90	280	0.03228	0.0000406
5482604176200	548260	4176200	8.3055	8.3055	9.099355	9.099355	FALSE	12.5061535	8.3055	FALSE	921.68	280	0.03228	0.0000406
5482804176200	548280	4176200	8.32281	8.32281	10.08007	10.08007	FALSE	13.8540496	8.32281	FALSE	922.89	280	0.03228	0.0000406
5483004176200	548300	4176200	8.327464	8.327464	10.52615	10.52615	FALSE	14.4671461	8.327464	FALSE	924.53	280	0.03228	0.0000406
5483204176200	548320	4176200	8.343167	8.343167	11.54769	11.54769	FALSE	15.871141	8.343167	FALSE	926.60	280	0.03228	0.0000406
5483404176200	548340	4176200	8.378961	8.378961	13.74175	13.74175	FALSE	18.8866543	8.378961	FALSE	929.10	280	0.03228	0.0000406
5483604176200	548360	4176200	8.432357	8.432357	17.50248	17.50248	FALSE	24.0554071	8.432357	FALSE	932.02	280	0.03228	0.0000406
5483804176200	548380	4176200	8.412354	8.412354	15.83064	15.83064	FALSE	21.7576289	8.412354	FALSE	935.36	280	0.03228	0.0000406
5484004176200	548400	4176200	8.38193	8.38193	13.78549	13.78549	FALSE	18.946772	8.38193	FALSE	939.11	280	0.03228	0.0000406

5484204176200	548420	4176200	8.366955	8.366955	12.89693	12.89693	FALSE	17.7255378	8.366955	FALSE	943.27	280	0.03228	0.0000406
5484404176200	548440	4176200	8.353914	8.353914	12.25873	12.25873	FALSE	16.8483958	8.353914	FALSE	947.84	280	0.03228	0.0000406
5484604176200	548460	4176200	8.340663	8.340663	11.69346	11.69346	FALSE	16.0714846	8.340663	FALSE	952.80	280	0.03228	0.0000406
5484804176200	548480	4176200	8.353149	8.353149	12.25795	12.25795	FALSE	16.847321	8.353149	FALSE	958.16	280	0.03228	0.0000406
5485004176200	548500	4176200	8.362061	8.362061	12.69708	12.69708	FALSE	17.4508613	8.362061	FALSE	963.90	280	0.03228	0.0000406
5485204176200	548520	4176200	8.367978	8.367978	13.10333	13.10333	FALSE	18.0092113	8.367978	FALSE	970.02	280	0.03228	0.0000406
5485404176200	548540	4176200	8.376228	8.376228	13.82538	13.82538	FALSE	19.0016023	8.376228	FALSE	976.51	280	0.03228	0.0000406
5485604176200	548560	4176200	8.386064	8.386064	14.35073	14.35073	FALSE	19.7236461	8.386064	FALSE	983.36	280	0.03228	0.0000406
5485804176200	548580	4176200	8.416473	8.416473	16.04307	16.04307	FALSE	22.0495982	8.416473	FALSE	990.57	280	0.03228	0.0000406
5486004176200	548600	4176200	8.399082	8.399082	14.59577	14.59577	FALSE	20.0604235	8.399082	FALSE	998.13	280	0.03228	0.0000406
5486204176200	548620	4176200	8.389071	8.389071	13.94859	13.94859	FALSE	19.170938	8.389071	FALSE	1006.03	280	0.03228	0.0000406
5486404176200	548640	4176200	8.382249	8.382249	13.61401	13.61401	FALSE	18.7110912	8.382249	FALSE	1014.26	280	0.03228	0.0000406
5486604176200	548660	4176200	8.389253	8.389253	13.88947	13.88947	FALSE	19.0896917	8.389253	FALSE	1022.82	280	0.03228	0.0000406
5486804176200	548680	4176200	8.397063	8.397063	14.28712	14.28712	FALSE	19.6362177	8.397063	FALSE	1031.70	280	0.03228	0.0000406
5487004176200	548700	4176200	8.429275	8.429275	15.75462	15.75462	FALSE	21.6531429	8.429275	FALSE	1040.88	280	0.03228	0.0000406
5487204176200	548720	4176200	8.43803	8.43803	16.36453	16.36453	FALSE	22.4914073	8.43803	FALSE	1050.36	280	0.03228	0.0000406
5487404176200	548740	4176200	8.437267	8.437267	16.57181	16.57181	FALSE	22.7762929	8.437267	FALSE	1060.14	280	0.03228	0.0000406
5487604176200	548760	4176200	8.424587	8.424587	16.28517	16.28517	FALSE	22.3823349	8.424587	FALSE	1070.20	280	0.03228	0.0000406
5487804176200	548780	4176200	8.429597	8.429597	16.7299	16.7299	FALSE	22.9935732	8.429597	FALSE	1080.54	280	0.03228	0.0000406
5488004176200	548800	4176200	8.422216	8.422216	16.62634	16.62634	FALSE	22.8512403	8.422216	FALSE	1091.14	280	0.03228	0.0000406
5488204176200	548820	4176200	8.398248	8.398248	15.67749	15.67749	FALSE	21.5471409	8.398248	FALSE	1102.01	280	0.03228	0.0000406
5488404176200	548840	4176200	8.398596	8.398596	15.81771	15.81771	FALSE	21.7398592	8.398596	FALSE	1113.13	280	0.03228	0.0000406
5488604176200	548860	4176200	8.396917	8.396917	15.8337	15.8337	FALSE	21.7618345	8.396917	FALSE	1124.50	280	0.03228	0.0000406
5488804176200	548880	4176200	8.396251	8.396251	15.8973	15.8973	FALSE	21.8492546	8.396251	FALSE	1136.10	280	0.03228	0.0000406
5489004176200	548900	4176200	8.400317	8.400317	16.17562	16.17562	FALSE	22.2317763	8.400317	FALSE	1147.94	280	0.03228	0.0000406
5489204176200	548920	4176200	8.413086	8.413086	16.85704	16.85704	FALSE	23.1683117	8.413086	FALSE	1160.00	280	0.03228	0.0000406
5489404176200	548940	4176200	8.443618	8.443618	18.3543	18.3543	FALSE	25.2261499	8.443618	FALSE	1172.27	280	0.03228	0.0000406
5489604176200	548960	4176200	8.428891	8.428891	17.73451	17.73451	FALSE	24.3743133	8.428891	FALSE	1184.76	280	0.03228	0.0000406
5489804176200	548980	4176200	8.401906	8.401906	16.53109	16.53109	FALSE	22.7203232	8.401906	FALSE	1197.45	280	0.03228	0.0000406
5490004176200	549000	4176200	8.362657	8.362657	14.74545	14.74545	FALSE	20.2661396	8.362657	FALSE	1210.34	280	0.03228	0.0000406
5470804176220	547080	4176220	8.216125	8.216125	4.962546	4.962546	FALSE	6.82052322	8.216125	FALSE	1473.42	280	0.03228	0.0000406
5471004176220	547100	4176220	8.214972	8.214972	4.869181	4.869181	FALSE	6.69220237	8.214972	FALSE	1458.08	280	0.03228	0.0000406
5471204176220	547120	4176220	8.224761	8.224761	5.049746	5.049746	FALSE	6.9403709	8.224761	FALSE	1442.85	280	0.03228	0.0000406
5471404176220	547140	4176220	8.234256	8.234256	5.241381	5.241381	FALSE	7.20375405	8.234256	FALSE	1427.74	280	0.03228	0.0000406
5471604176220	547160	4176220	8.274685	8.274685	6.059106	6.059106	FALSE	8.32763529	8.274685	FALSE	1412.76	280	0.03228	0.0000406
5471804176220	547180	4176220	8.290965	8.290965	6.453728	6.453728	FALSE	8.87000376	8.290965	FALSE	1397.90	280	0.03228	0.0000406
5472004176220	547200	4176220	8.313103	8.313103	7.057183	7.057183	FALSE	9.69939232	8.313103	FALSE	1383.17	280	0.03228	0.0000406
5472204176220	547220	4176220	8.439279	8.439279	10.46134	10.46134	FALSE	14.3780629	8.439279	FALSE	1368.57	280	0.03228	0.0000406
5472404176220	547240	4176220	8.323604	8.323604	7.744026	7.744026	FALSE	10.6433893	8.323604	FALSE	1354.11	280	0.03228	0.0000406
5472604176220	547260	4176220	8.236837	8.236837	5.375877	5.375877	FALSE	7.38860535	8.236837	FALSE	1339.80	280	0.03228	0.0000406
5472804176220	547280	4176220	8.201161	8.201161	4.366245	4.366245	FALSE	6.00096713	8.201161	FALSE	1325.63	280	0.03228	0.0000406
5473004176220	547300	4176220	8.177281	8.177281	3.682037	3.682037	FALSE	5.06059165	8.177281	FALSE	1311.61	280	0.03228	0.0000406
5473204176220	547320	4176220	8.159207	8.159207	3.150141	3.150141	FALSE	4.32955379	8.159207	FALSE	1297.75	280	0.03228	0.0000406
5473404176220	547340	4176220	8.142496	8.142496	2.627489	2.627489	FALSE	3.61122088	8.142496	FALSE	1284.05	280	0.03228	0.0000406
5473604176220	547360	4176220	8.131597	8.131597	2.284365	2.284365	FALSE	3.13963126	8.131597	FALSE	1270.52	280	0.03228	0.0000406
5473804176220	547380	4176220	8.124905	8.124905	2.075143	2.075143	FALSE	2.85207654	8.124905	FALSE	1257.16	280	0.03228	0.0000406
5474004176220	547400	4176220	8.120107	8.120107	1.917741	1.917741	FALSE	2.63574323	8.120107	FALSE	1243.98	280	0.03228	0.0000406
5474204176220	547420	4176220	8.116747	8.116747	1.802339	1.802339	FALSE	2.47713472	8.116747	FALSE	1230.98	280	0.03228	0.0000406
5474404176220	547440	4176220	8.115213	8.115213	1.746585	1.746585	FALSE	2.40050642	8.115213	FALSE	1218.18	280	0.03228	0.0000406
5474604176220	547460	4176220	8.115276	8.115276	1.734686	1.734686	FALSE	2.38415244	8.115276	FALSE	1205.56	280	0.03228	0.0000406
5474804176220	547480	4176220	8.116182	8.116182	1.745771	1.745771	FALSE	2.39938766	8.116182	FALSE	1193.16	280	0.03228	0.0000406
5475004176220	547500	4176220	8.118105	8.118105	1.768239	1.768239	FALSE	2.43026768	8.118105	FALSE	1180.95	280	0.03228	0.0000406
5475204176220	547520	4176220	8.123298	8.123298	1.854238	1.854238	FALSE	2.54846471	8.123298	FALSE	1168.97	280	0.03228	0.0000406
5475404176220	547540	4176220	8.133774	8.133774	2.034297	2.034297	FALSE	2.7959378	8.133774	FALSE	1157.20	280	0.03228	0.0000406
5475604176220	547560	4176220	8.133888	8.133888	2.006018	2.006018	FALSE	2.75707114	8.133888	FALSE	1145.67	280	0.03228	0.0000406
5475804176220	547580	4176220	8.134524	8.134524	2.018785	2.018785	FALSE	2.7746181	8.134524	FALSE	1134.37	280	0.03228	0.0000406
5476004176220	547600	4176220	8.13441	8.13441	2.034486	2.034486	FALSE	2.79619756	8.13441	FALSE	1123.31	280	0.03228	0.0000406
5476204176220	547620	4176220	8.138436	8.138436	2.1467	2.1467	FALSE	2.95042448	8.138436	FALSE	1112.50	280	0.03228	0.0000406
5476404176220	547640	4176220	8.142565	8.142565	2.270579	2.270579	FALSE	3.12068378	8.142565	FALSE	1101.95	280	0.03228	0.0000406
5476604176220	547660	4176220	8.146108	8.146108	2.380867	2.380867	FALSE	3.2722636	8.146108	FALSE	1091.66	280	0.03228	0.0000406
5476804176220	547680	4176220	8.151146	8.151146	2.530796	2.530796	FALSE	3.47832602	8.151146	FALSE	1081.64	280	0.03228	0.0000406
5477004176220	547700	4176220	8.157586	8.157586	2.714027	2.714027	FALSE	3.73015871	8.157586	FALSE	1071.91	280	0.03228	0.0000406
5477204176220	547720	4176220	8.166343	8.166343	2.96428	2.96428	FALSE	4.07410643	8.166343	FALSE	1062.46	280	0.03228	0.0000406
5477404176220	547740	4176220	8.178531	8.178531	3.303397	3.303397	FALSE	4.54018884	8.178531	FALSE	1053.31	280	0.03228	0.0000406
5477604176220	547760	4176220	8.197472	8.197472	3.768511	3.768511	FALSE	5.17944152	8.197472	FALSE	1044.45	280	0.03228	0.0000406
5477804176220	547780	4176220	8.242581	8.242581	4.755127	4.755127	FALSE	6.53544655	8.242581	FALSE	1035.91	280	0.03228	0.0000406
5478004176220	547800	4176220	8.266519	8.266519	5.315815	5.315815	FALSE	7.30605614	8.266519	FALSE	1027.69	280	0.03228	0.0000406
5478204176220	547820	4176220	8.223057	8.223057	4.60115	4.60115	FALSE	6.32382056	8.223057	FALSE	1019.80	280	0.03228	0.0000406
5478404176220	547840	4176220	8.212059	8.212059	4.537744	4.537744	FALSE	6.23667535	8.212059	FALSE	1012.23	280	0.03228	0.0000406
5478604176220	547860	4176220	8.207923	8.207923	4.615114	4.615114	FALSE	6.34301268	8.207923	FALSE	1005.01	280	0.03228	0.0000406
5478804176220	547880	4176220	8.21265	8.21265	4.995533	4.995533	FALSE	6.86586056	8.21265	FALSE	998.14	280	0.03228	0.0000406
5479004176220	547900	4176220	8.226404	8.226404	5.778311	5.778311	FALSE	7.94171064	8.226404	FALSE	991.62	280	0.03228	0.0000406
5479204176220	547920	4176220	8.257014	8.257014	7.406074	7.406074	FALSE	10.1789081	8.257014	FALSE	985.47	280	0.03228	0.0000406
5479404176220	547940	4176220	8.367366	8.367366	12.98231	12.98231	FALSE	17.8428855	8.367366	FALSE	979.69	280	0.03228	0.0000406
5479604176220	547960	4176220	8.345941	8.345941	11.60958	11.60958	FALSE	15.956204	8.345941	FALSE	974.28	280	0.03228	0.0000406
5479804176220	547980	4176220	8.282817	8.282817	8.078207	8.078207	FALSE	11.1026877	8.282817	FALSE	969.25	280	0.03228	0.0000406
5480004176220	548000	4176220	8.272085	8.272085	7.076394	7.076394	FALSE	9.72579591	8.272085	FALSE	964.62	280	0.03228	0.0000406
5480204176220	548020	4176220	8.308128	8.308128	7.472816	7.472816	FALSE	10.2706383	8.308128	FALSE	960.37	280	0.03228	0.0000406
5480404176220	548040	4176220	8.291842	8.291842	6.893574	6.893574	FALSE	9.47452811	8.291842	FALSE	956.53	280	0.03228	0.0000406
5480604176220	548060	4176220	8.272081	8.272081	6.334482	6.334482	FALSE	8.70611206	8.272081	FALSE	953.09	280	0.03228	0.0000406
5480804176220	548080	4176220	8.26092	8.26092	6.01404	6.01404	FALSE	8.26569658	8.26092	FALSE	950.06	280	0.03228	0.0000406
5481004176220	548100	4176220	8.252454	8.252454	5.779893	5.779893	FALSE	7.94388494	8.252454	FALSE	947.44	280	0.03228	0.0000406
5481204176220	548120	4176220	8.262857	8.262857	6.070541	6.070541	FALSE	8.34335155	8.262857	FALSE	945.24	280	0.03228	0.0000406
5481404176220	548140	4176220	8.275858	8.275858	6.451937	6.451937	FALSE	8.86754221	8.275858	FALSE	943.46	280	0.03228	0.0000406
5481604176220	548160	4176220	8.29913	8.29913	7.043709	7.043709	FALSE	9.68087365	8.29913	FALSE	942.10	280	0.03228	0.0000406
5481804176220	548180	4176220	8.26022	8.26022	6.218956	6.218956	FALSE	8.54733313	8.26022	FALSE	941.16	280	0.03228	0.0000406
5482004176220	548200	4176220	8.232539	8.232539	5.640572	5.640572	FALSE	7.75240216	8.232539	FALSE	940.65	280	0.03228	0.0000406
5482204176220	548220	4176220	8.22585	8.22585	5.61029	5.61029	FALSE	7.71078258	8.22585	FALSE	940.56	280	0.03228	0.0000406
5482404176220	548240	4176220	8.23178	8.23178	6.035763	6.035763	FALSE	8.29555267	8.23178	FALSE	940.90	280	0.03228	0.0000406
5482604176220	548260	4176220	8.23802	8.23802	6.513743	6.513743	FALSE	8.95248838	8.23802	FALSE	941.66	280	0.03228	0.0000406
5482804176220	548280	4176220	8.247636	8.247636	7.144675	7.144675	FALSE	9.81964132	8.247636	FALSE	942.84	280	0.03228	0.0000406
5483004176220	548300	4176220	8.254554	8.254554	7.674267	7.674267	FALSE	10.5475126	8.254554	FALSE	944.45	280	0.03228	0.0000406
5483204176220	548320	4176220	8.269958	8.269958	8.65693	8.65693	FALSE	11.8980846	8.269958	FALSE	946.48	280	0.03228	0.0000406
5483404176220	548340	4176220	8.295673	8.295673	10.31918	10.31918	FALSE	14.1826769	8.295673	FALSE	948.92	280	0.03228	0.0000406

5483604176220	548360	4176220	8.323029	8.323029	11.98111	11.98111	FALSE	16.4668403	8.323029	FALSE	951.78	280	0.03228	0.0000406
5483804176220	548380	4176220	8.326941	8.326941	12.16281	12.16281	FALSE	16.7165647	8.326941	FALSE	955.05	280	0.03228	0.0000406
5484004176220	548400	4176220	8.306671	8.306671	10.88168	10.88168	FALSE	14.9557796	8.306671	FALSE	958.72	280	0.03228	0.0000406
5484204176220	548420	4176220	8.291685	8.291685	10.02146	10.02146	FALSE	13.7734878	8.291685	FALSE	962.80	280	0.03228	0.0000406
5484404176220	548440	4176220	8.278512	8.278512	9.368694	9.368694	FALSE	12.876333	8.278512	FALSE	967.27	280	0.03228	0.0000406
5484604176220	548460	4176220	8.267224	8.267224	8.856635	8.856635	FALSE	12.1725591	8.267224	FALSE	972.14	280	0.03228	0.0000406
5484804176220	548480	4176220	8.276242	8.276242	9.271168	9.271168	FALSE	12.7422933	8.276242	FALSE	977.39	280	0.03228	0.0000406
5485004176220	548500	4176220	8.285695	8.285695	9.752796	9.752796	FALSE	13.4042428	8.285695	FALSE	983.01	280	0.03228	0.0000406
5485204176220	548520	4176220	8.294697	8.294697	10.31123	10.31123	FALSE	14.1717476	8.294697	FALSE	989.02	280	0.03228	0.0000406
5485404176220	548540	4176220	8.304363	8.304363	11.0922	11.0922	FALSE	15.2451224	8.304363	FALSE	995.38	280	0.03228	0.0000406
5485604176220	548560	4176220	8.341689	8.341689	13.98986	13.98986	FALSE	19.2276663	8.341689	FALSE	1002.11	280	0.03228	0.0000406
5485804176220	548580	4176220	8.338041	8.338041	13.16984	13.16984	FALSE	18.100624	8.338041	FALSE	1009.18	280	0.03228	0.0000406
5486004176220	548600	4176220	8.322484	8.322484	11.84435	11.84435	FALSE	16.2788746	8.322484	FALSE	1016.60	280	0.03228	0.0000406
5486204176220	548620	4176220	8.314065	8.314065	11.24973	11.24973	FALSE	15.461622	8.314065	FALSE	1024.36	280	0.03228	0.0000406
5486404176220	548640	4176220	8.308221	8.308221	10.9132	10.9132	FALSE	14.9991076	8.308221	FALSE	1032.45	280	0.03228	0.0000406
5486604176220	548660	4176220	8.310729	8.310729	10.97248	10.97248	FALSE	15.0805696	8.310729	FALSE	1040.86	280	0.03228	0.0000406
5486804176220	548680	4176220	8.31552	8.31552	11.18925	11.18925	FALSE	15.3785107	8.31552	FALSE	1049.58	280	0.03228	0.0000406
5487004176220	548700	4176220	8.328195	8.328195	11.76309	11.76309	FALSE	16.1671895	8.328195	FALSE	1058.61	280	0.03228	0.0000406
5487204176220	548720	4176220	8.322843	8.322843	11.62956	11.62956	FALSE	15.9836659	8.322843	FALSE	1067.93	280	0.03228	0.0000406
5487404176220	548740	4176220	8.313949	8.313949	11.35832	11.35832	FALSE	15.6108805	8.313949	FALSE	1077.55	280	0.03228	0.0000406
5487604176220	548760	4176220	8.303938	8.303938	11.02578	11.02578	FALSE	15.1538293	8.303938	FALSE	1087.45	280	0.03228	0.0000406
5487804176220	548780	4176220	8.301765	8.301765	11.00693	11.00693	FALSE	15.1279287	8.301765	FALSE	1097.63	280	0.03228	0.0000406
5488004176220	548800	4176220	8.294169	8.294169	10.76419	10.76419	FALSE	14.7942972	8.294169	FALSE	1108.07	280	0.03228	0.0000406
5488204176220	548820	4176220	8.282138	8.282138	10.30679	10.30679	FALSE	14.1656577	8.282138	FALSE	1118.77	280	0.03228	0.0000406
5488404176220	548840	4176220	8.278092	8.278092	10.19783	10.19783	FALSE	14.015903	8.278092	FALSE	1129.73	280	0.03228	0.0000406
5488604176220	548860	4176220	8.275866	8.275866	10.1683	10.1683	FALSE	13.9753156	8.275866	FALSE	1140.93	280	0.03228	0.0000406
5488804176220	548880	4176220	8.275334	8.275334	10.22031	10.22031	FALSE	14.0467886	8.275334	FALSE	1152.37	280	0.03228	0.0000406
5489004176220	548900	4176220	8.275693	8.275693	10.3183	10.3183	FALSE	14.181466	8.275693	FALSE	1164.04	280	0.03228	0.0000406
5489204176220	548920	4176220	8.282971	8.282971	10.7493	10.7493	FALSE	14.7738393	8.282971	FALSE	1175.93	280	0.03228	0.0000406
5489404176220	548940	4176220	8.298012	8.298012	11.54135	11.54135	FALSE	15.8624369	8.298012	FALSE	1188.04	280	0.03228	0.0000406
5489604176220	548960	4176220	8.289363	8.289363	11.21516	11.21516	FALSE	15.41412	8.289363	FALSE	1200.37	280	0.03228	0.0000406
5489804176220	548980	4176220	8.276071	8.276071	10.66464	10.66464	FALSE	14.6574853	8.276071	FALSE	1212.90	280	0.03228	0.0000406
5471004176240	547100	4176240	8.213004	8.213004	4.880873	4.880873	FALSE	6.70827185	8.213004	FALSE	1471.06	280	0.03228	0.0000406
5471204176240	547120	4176240	8.217025	8.217025	4.959063	4.959063	FALSE	6.81573619	8.217025	FALSE	1455.97	280	0.03228	0.0000406
5471404176240	547140	4176240	8.229695	8.229695	5.257066	5.257066	FALSE	7.22531151	8.229695	FALSE	1441.00	280	0.03228	0.0000406
5471604176240	547160	4176240	8.260133	8.260133	5.986176	5.986176	FALSE	8.22740029	8.260133	FALSE	1426.15	280	0.03228	0.0000406
5471804176240	547180	4176240	8.341375	8.341375	7.838375	7.838375	FALSE	10.7730626	8.341375	FALSE	1411.43	280	0.03228	0.0000406
5472004176240	547200	4176240	8.437762	8.437762	9.798259	9.798259	FALSE	13.4667272	8.437762	FALSE	1396.84	280	0.03228	0.0000406
5472204176240	547220	4176240	8.338801	8.338801	7.918691	7.918691	FALSE	10.8834489	8.338801	FALSE	1382.39	280	0.03228	0.0000406
5472404176240	547240	4176240	8.257488	8.257488	5.787689	5.787689	FALSE	7.95459976	8.257488	FALSE	1368.08	280	0.03228	0.0000406
5472604176240	547260	4176240	8.210722	8.210722	4.581408	4.581408	FALSE	6.29668716	8.210722	FALSE	1353.91	280	0.03228	0.0000406
5472804176240	547280	4176240	8.181992	8.181992	3.796714	3.796714	FALSE	5.21820372	8.181992	FALSE	1339.89	280	0.03228	0.0000406
5473004176240	547300	4176240	8.164055	8.164055	3.294143	3.294143	FALSE	4.52747014	8.164055	FALSE	1326.02	280	0.03228	0.0000406
5473204176240	547320	4176240	8.151648	8.151648	2.927109	2.927109	FALSE	4.02301861	8.151648	FALSE	1312.32	280	0.03228	0.0000406
5473404176240	547340	4176240	8.136543	8.136543	2.450881	2.450881	FALSE	3.36849085	8.136543	FALSE	1298.77	280	0.03228	0.0000406
5473604176240	547360	4176240	8.127205	8.127205	2.155863	2.155863	FALSE	2.96301811	8.127205	FALSE	1285.40	280	0.03228	0.0000406
5473804176240	547380	4176240	8.121794	8.121794	1.988086	1.988086	FALSE	2.7324254	8.121794	FALSE	1272.19	280	0.03228	0.0000406
5474004176240	547400	4176240	8.11833	8.11833	1.872788	1.872788	FALSE	2.57395983	8.11833	FALSE	1259.17	280	0.03228	0.0000406
5474204176240	547420	4176240	8.115917	8.115917	1.786108	1.786108	FALSE	2.45482684	8.115917	FALSE	1246.33	280	0.03228	0.0000406
5474404176240	547440	4176240	8.115044	8.115044	1.750278	1.750278	FALSE	2.40558208	8.115044	FALSE	1233.68	280	0.03228	0.0000406
5474604176240	547460	4176240	8.115621	8.115621	1.75338	1.75338	FALSE	2.40984547	8.115621	FALSE	1221.23	280	0.03228	0.0000406
5474804176240	547480	4176240	8.116394	8.116394	1.761214	1.761214	FALSE	2.42061252	8.116394	FALSE	1208.98	280	0.03228	0.0000406
5475004176240	547500	4176240	8.11724	8.11724	1.757282	1.757282	FALSE	2.41520838	8.11724	FALSE	1196.94	280	0.03228	0.0000406
5475204176240	547520	4176240	8.122318	8.122318	1.845285	1.845285	FALSE	2.5361597	8.122318	FALSE	1185.12	280	0.03228	0.0000406
5475404176240	547540	4176240	8.124654	8.124654	1.865571	1.865571	FALSE	2.56404078	8.124654	FALSE	1173.52	280	0.03228	0.0000406
5475604176240	547560	4176240	8.125033	8.125033	1.839888	1.839888	FALSE	2.52874207	8.125033	FALSE	1162.14	280	0.03228	0.0000406
5475804176240	547580	4176240	8.124688	8.124688	1.830813	1.830813	FALSE	2.51626939	8.124688	FALSE	1151.00	280	0.03228	0.0000406
5476004176240	547600	4176240	8.127205	8.127205	1.894442	1.894442	FALSE	2.60372108	8.127205	FALSE	1140.11	280	0.03228	0.0000406
5476204176240	547620	4176240	8.133813	8.133813	2.052499	2.052499	FALSE	2.82095463	8.133813	FALSE	1129.46	280	0.03228	0.0000406
5476404176240	547640	4176240	8.143833	8.143833	2.291448	2.291448	FALSE	3.14936613	8.143833	FALSE	1119.07	280	0.03228	0.0000406
5476604176240	547660	4176240	8.158744	8.158744	2.625965	2.625965	FALSE	3.6091263	8.158744	FALSE	1108.94	280	0.03228	0.0000406
5476804176240	547680	4176240	8.161983	8.161983	2.744248	2.744248	FALSE	3.77169445	8.161983	FALSE	1099.08	280	0.03228	0.0000406
5477004176240	547700	4176240	8.170976	8.170976	2.996054	2.996054	FALSE	4.11777662	8.170976	FALSE	1089.50	280	0.03228	0.0000406
5477204176240	547720	4176240	8.180106	8.180106	3.24486	3.24486	FALSE	4.45973558	8.180106	FALSE	1080.20	280	0.03228	0.0000406
5477404176240	547740	4176240	8.191371	8.191371	3.522016	3.522016	FALSE	4.84065879	8.191371	FALSE	1071.20	280	0.03228	0.0000406
5477604176240	547760	4176240	8.21168	8.21168	3.955389	3.955389	FALSE	5.43628664	8.21168	FALSE	1062.50	280	0.03228	0.0000406
5477804176240	547780	4176240	8.276045	8.276045	5.276189	5.276189	FALSE	7.25159416	8.276045	FALSE	1054.11	280	0.03228	0.0000406
5478004176240	547800	4176240	8.237952	8.237952	4.593442	4.593442	FALSE	6.31322668	8.237952	FALSE	1046.03	280	0.03228	0.0000406
5478204176240	547820	4176240	8.205765	8.205765	4.070793	4.070793	FALSE	5.5948979	8.205765	FALSE	1038.27	280	0.03228	0.0000406
5478404176240	547840	4176240	8.198	8.198	4.063727	4.063727	FALSE	5.58518639	8.198	FALSE	1030.84	280	0.03228	0.0000406
5478604176240	547860	4176240	8.197499	8.197499	4.246863	4.246863	FALSE	5.83688851	8.197499	FALSE	1023.75	280	0.03228	0.0000406
5478804176240	547880	4176240	8.204322	8.204322	4.702992	4.702992	FALSE	6.4637922	8.204322	FALSE	1017.01	280	0.03228	0.0000406
5479004176240	547900	4176240	8.22048	8.22048	5.590248	5.590248	FALSE	7.68323685	8.22048	FALSE	1010.61	280	0.03228	0.0000406
5479204176240	547920	4176240	8.258828	8.258828	7.620586	7.620586	FALSE	10.4737334	8.258828	FALSE	1004.58	280	0.03228	0.0000406
5479404176240	547940	4176240	8.276266	8.276266	8.413683	8.413683	FALSE	11.5637659	8.276266	FALSE	998.90	280	0.03228	0.0000406
5479604176240	547960	4176240	8.31543	8.31543	10.27792	10.27792	FALSE	14.1259732	8.31543	FALSE	993.60	280	0.03228	0.0000406
5479804176240	547980	4176240	8.272562	8.272562	7.629836	7.629836	FALSE	10.4864466	8.272562	FALSE	988.67	280	0.03228	0.0000406
5480004176240	548000	4176240	8.264169	8.264169	6.756156	6.756156	FALSE	9.28566081	8.264169	FALSE	984.13	280	0.03228	0.0000406
5480204176240	548020	4176240	8.261407	8.261407	6.355236	6.355236	FALSE	8.73463636	8.261407	FALSE	979.97	280	0.03228	0.0000406
5480404176240	548040	4176240	8.269659	8.269659	6.316842	6.316842	FALSE	8.68186764	8.269659	FALSE	976.20	280	0.03228	0.0000406
5480604176240	548060	4176240	8.248883	8.248883	5.728682	5.728682	FALSE	7.87350054	8.248883	FALSE	972.83	280	0.03228	0.0000406
5480804176240	548080	4176240	8.235527	8.235527	5.349168	5.349168	FALSE	7.3518965	8.235527	FALSE	969.87	280	0.03228	0.0000406
5481004176240	548100	4176240	8.226493	8.226493	5.090836	5.090836	FALSE	6.996845	8.226493	FALSE	967.30	280	0.03228	0.0000406
5481204176240	548120	4176240	8.233192	8.233192	5.258452	5.258452	FALSE	7.22721643	8.233192	FALSE	965.15	280	0.03228	0.0000406
5481404176240	548140	4176240	8.243655	8.243655	5.532945	5.532945	FALSE	7.60447961	8.243655	FALSE	963.40	280	0.03228	0.0000406
5481604176240	548160	4176240	8.267076	8.267076	6.057242	6.057242	FALSE	8.3250734	8.267076	FALSE	962.07	280	0.03228	0.0000406
5481804176240	548180	4176240	8.232566	8.232566	5.370629	5.370629	FALSE	7.3813925	8.232566	FALSE	961.15	280	0.03228	0.0000406
5482004176240	548200	4176240	8.206573	8.206573	4.807922	4.807922	FALSE	6.608008	8.206573	FALSE	960.65	280	0.03228	0.0000406
5482204176240	548220	4176240	8.197053	8.197053	4.631475	4.631475	FALSE	6.36549924	8.197053	FALSE	960.56	280	0.03228	0.0000406
5482404176240	548240	4176240	8.200329	8.200329	4.892681	4.892681	FALSE	6.72450077	8.200329	FALSE	960.89	280	0.03228	0.0000406
5482604176240	548260	4176240	8.205099	8.205099	5.259522	5.259522	FALSE	7.22868704	8.205099	FALSE	961.63	280	0.03228	0.0000406
5482804176240	548280	4176240	8.210666	8.210666	5.694108	5.694108	FALSE	7.82598204	8.210666	FALSE	962.79	280	0.03228	0.0000406
5483004176240	548300	4176240	8.214894	8.214894	6.086522	6.086522	FALSE	8.36531584	8.214894	FALSE	964.37	280	0.03228	0.0000406
5483204176240	548320	4176240	8.227085	8.227085	6.92001	6.92001	FALSE	9.51086174	8.227085	FALSE	966.35	280	0.03228	0.0000406

5483404176240	548340	4176240	8.252583	8.252583	8.626915	8.626915	FALSE	11.856832	8.252583	FALSE	968.75	280	0.03228	0.0000406
5483604176240	548360	4176240	8.317834	8.317834	13.14322	13.14322	FALSE	18.0640361	8.317834	FALSE	971.55	280	0.03228	0.0000406
5483804176240	548380	4176240	8.293571	8.293571	11.09267	11.09267	FALSE	15.2457602	8.293571	FALSE	974.75	280	0.03228	0.0000406
5484004176240	548400	4176240	8.269548	8.269548	9.445715	9.445715	FALSE	12.9821907	8.269548	FALSE	978.35	280	0.03228	0.0000406
5484204176240	548420	4176240	8.252836	8.252836	8.490864	8.490864	FALSE	11.6698435	8.252836	FALSE	982.35	280	0.03228	0.0000406
5484404176240	548440	4176240	8.240558	8.240558	7.864323	7.864323	FALSE	10.8087255	8.240558	FALSE	986.73	280	0.03228	0.0000406
5484604176240	548460	4176240	8.232667	8.232667	7.482168	7.482168	FALSE	10.2834917	8.232667	FALSE	991.50	280	0.03228	0.0000406
5484804176240	548480	4176240	8.236611	8.236611	7.673995	7.673995	FALSE	10.5471387	8.236611	FALSE	996.65	280	0.03228	0.0000406
5485004176240	548500	4176240	8.243395	8.243395	8.035945	8.035945	FALSE	11.0446028	8.243395	FALSE	1002.17	280	0.03228	0.0000406
5485204176240	548520	4176240	8.251908	8.251908	8.551886	8.551886	FALSE	11.7537121	8.251908	FALSE	1008.05	280	0.03228	0.0000406
5485404176240	548540	4176240	8.263962	8.263962	9.433224	9.433224	FALSE	12.9650231	8.263962	FALSE	1014.30	280	0.03228	0.0000406
5485604176240	548560	4176240	8.295126	8.295126	11.85138	11.85138	FALSE	16.2885298	8.295126	FALSE	1020.90	280	0.03228	0.0000406
5485804176240	548580	4176240	8.294209	8.294209	11.41563	11.41563	FALSE	15.6896474	8.294209	FALSE	1027.85	280	0.03228	0.0000406
5486004176240	548600	4176240	8.279278	8.279278	10.17501	10.17501	FALSE	13.9845296	8.279278	FALSE	1035.14	280	0.03228	0.0000406
5486204176240	548620	4176240	8.272079	8.272079	9.645005	9.645005	FALSE	13.2560949	8.272079	FALSE	1042.76	280	0.03228	0.0000406
5486404176240	548640	4176240	8.269179	8.269179	9.420164	9.420164	FALSE	12.9470734	8.269179	FALSE	1050.70	280	0.03228	0.0000406
5486604176240	548660	4176240	8.271238	8.271238	9.453762	9.453762	FALSE	12.9932505	8.271238	FALSE	1058.96	280	0.03228	0.0000406
5486804176240	548680	4176240	8.272741	8.272741	9.514356	9.514356	FALSE	13.0765309	8.272741	FALSE	1067.54	280	0.03228	0.0000406
5487004176240	548700	4176240	8.274944	8.274944	9.616641	9.616641	FALSE	13.2171114	8.274944	FALSE	1076.42	280	0.03228	0.0000406
5487204176240	548720	4176240	8.268425	8.268425	9.390675	9.390675	FALSE	12.9065437	8.268425	FALSE	1085.59	280	0.03228	0.0000406
5487404176240	548740	4176240	8.258958	8.258958	9.041819	9.041819	FALSE	12.427076	8.258958	FALSE	1095.05	280	0.03228	0.0000406
5487604176240	548760	4176240	8.249365	8.249365	8.684442	8.684442	FALSE	11.9358971	8.249365	FALSE	1104.80	280	0.03228	0.0000406
5487804176240	548780	4176240	8.244374	8.244374	8.509204	8.509204	FALSE	11.69505	8.244374	FALSE	1114.81	280	0.03228	0.0000406
5488004176240	548800	4176240	8.237433	8.237433	8.257816	8.257816	FALSE	11.3495423	8.237433	FALSE	1125.09	280	0.03228	0.0000406
5488204176240	548820	4176240	8.229691	8.229691	7.957772	7.957772	FALSE	10.9371618	8.229691	FALSE	1135.64	280	0.03228	0.0000406
5488404176240	548840	4176240	8.227292	8.227292	7.891887	7.891887	FALSE	10.8466095	8.227292	FALSE	1146.43	280	0.03228	0.0000406
5488604176240	548860	4176240	8.224926	8.224926	7.841876	7.841876	FALSE	10.7778744	8.224926	FALSE	1157.47	280	0.03228	0.0000406
5488804176240	548880	4176240	8.222619	8.222619	7.804616	7.804616	FALSE	10.7266642	8.222619	FALSE	1168.75	280	0.03228	0.0000406
5489004176240	548900	4176240	8.222383	8.222383	7.871843	7.871843	FALSE	10.819061	8.222383	FALSE	1180.26	280	0.03228	0.0000406
5489204176240	548920	4176240	8.226107	8.226107	8.138344	8.138344	FALSE	11.18534	8.226107	FALSE	1191.99	280	0.03228	0.0000406
5489404176240	548940	4176240	8.233948	8.233948	8.609642	8.609642	FALSE	11.833092	8.233948	FALSE	1203.94	280	0.03228	0.0000406
5489604176240	548960	4176240	8.228794	8.228794	8.494766	8.494766	FALSE	11.6752064	8.228794	FALSE	1216.10	280	0.03228	0.0000406
5489804176240	548980	4176240	8.22389	8.22389	8.380946	8.380946	FALSE	11.5187722	8.22389	FALSE	1228.47	280	0.03228	0.0000406
5471204176260	547120	4176260	8.223637	8.223637	5.221721	5.221721	FALSE	7.17673334	8.223637	FALSE	1469.24	280	0.03228	0.0000406
5471404176260	547140	4176260	8.246815	8.246815	5.853399	5.853399	FALSE	8.04491159	8.246815	FALSE	1454.41	280	0.03228	0.0000406
5471604176260	547160	4176260	8.299953	8.299953	7.330165	7.330165	FALSE	10.0745788	8.299953	FALSE	1439.70	280	0.03228	0.0000406
5471804176260	547180	4176260	8.351844	8.351844	8.661861	8.661861	FALSE	11.9048618	8.351844	FALSE	1425.12	280	0.03228	0.0000406
5472004176260	547200	4176260	8.322671	8.322671	7.731088	7.731088	FALSE	10.6256073	8.322671	FALSE	1410.67	280	0.03228	0.0000406
5472204176260	547220	4176260	8.263843	8.263843	6.088824	6.088824	FALSE	8.36847971	8.263843	FALSE	1396.36	280	0.03228	0.0000406
5472404176260	547240	4176260	8.229917	8.229917	5.10042	5.10042	FALSE	7.01001725	8.229917	FALSE	1382.20	280	0.03228	0.0000406
5472604176260	547260	4176260	8.199342	8.199342	4.267673	4.267673	FALSE	5.86548977	8.199342	FALSE	1368.17	280	0.03228	0.0000406
5472804176260	547280	4176260	8.175356	8.175356	3.593999	3.593999	FALSE	4.93959223	8.175356	FALSE	1354.30	280	0.03228	0.0000406
5473004176260	547300	4176260	8.157821	8.157821	3.117101	3.117101	FALSE	4.28414361	8.157821	FALSE	1340.58	280	0.03228	0.0000406
5473204176260	547320	4176260	8.147851	8.147851	2.823599	2.823599	FALSE	3.88075447	8.147851	FALSE	1327.03	280	0.03228	0.0000406
5473404176260	547340	4176260	8.135375	8.135375	2.428695	2.428695	FALSE	3.33799841	8.135375	FALSE	1313.63	280	0.03228	0.0000406
5473604176260	547360	4176260	8.126942	8.126942	2.160696	2.160696	FALSE	2.96966058	8.126942	FALSE	1300.41	280	0.03228	0.0000406
5473804176260	547380	4176260	8.121608	8.121608	1.992973	1.992973	FALSE	2.73914209	8.121608	FALSE	1287.36	280	0.03228	0.0000406
5474004176260	547400	4176260	8.11864	8.11864	1.892524	1.892524	FALSE	2.60108499	8.11864	FALSE	1274.49	280	0.03228	0.0000406
5474204176260	547420	4176260	8.116565	8.116565	1.815345	1.815345	FALSE	2.49501017	8.116565	FALSE	1261.81	280	0.03228	0.0000406
5474404176260	547440	4176260	8.115897	8.115897	1.78611	1.78611	FALSE	2.45482958	8.115897	FALSE	1249.32	280	0.03228	0.0000406
5474604176260	547460	4176260	8.116546	8.116546	1.791506	1.791506	FALSE	2.46224585	8.116546	FALSE	1237.02	280	0.03228	0.0000406
5474804176260	547480	4176260	8.117511	8.117511	1.806187	1.806187	FALSE	2.48242341	8.117511	FALSE	1224.93	280	0.03228	0.0000406
5475004176260	547500	4176260	8.118741	8.118741	1.814422	1.814422	FALSE	2.4937416	8.118741	FALSE	1213.05	280	0.03228	0.0000406
5475204176260	547520	4176260	8.122922	8.122922	1.88569	1.88569	FALSE	2.59169234	8.122922	FALSE	1201.39	280	0.03228	0.0000406
5475404176260	547540	4176260	8.127887	8.127887	1.959986	1.959986	FALSE	2.69380476	8.127887	FALSE	1189.94	280	0.03228	0.0000406
5475604176260	547560	4176260	8.127787	8.127787	1.92716	1.92716	FALSE	2.6486887	8.127787	FALSE	1178.73	280	0.03228	0.0000406
5475804176260	547580	4176260	8.125695	8.125695	1.87747	1.87747	FALSE	2.58039477	8.125695	FALSE	1167.75	280	0.03228	0.0000406
5476004176260	547600	4176260	8.127461	8.127461	1.921195	1.921195	FALSE	2.64049041	8.127461	FALSE	1157.01	280	0.03228	0.0000406
5476204176260	547620	4176260	8.133478	8.133478	2.064398	2.064398	FALSE	2.83730861	8.133478	FALSE	1146.51	280	0.03228	0.0000406
5476404176260	547640	4176260	8.146485	8.146485	2.357793	2.357793	FALSE	3.2405507	8.146485	FALSE	1136.28	280	0.03228	0.0000406
5476604176260	547660	4176260	8.161679	8.161679	2.690235	2.690235	FALSE	3.69745898	8.161679	FALSE	1126.30	280	0.03228	0.0000406
5476804176260	547680	4176260	8.185883	8.185883	3.20459	3.20459	FALSE	4.4043885	8.185883	FALSE	1116.60	280	0.03228	0.0000406
5477004176260	547700	4176260	8.195515	8.195515	3.447079	3.447079	FALSE	4.73766538	8.195515	FALSE	1107.17	280	0.03228	0.0000406
5477204176260	547720	4176260	8.207377	8.207377	3.731367	3.731367	FALSE	5.1283908	8.207377	FALSE	1098.03	280	0.03228	0.0000406
5477404176260	547740	4176260	8.225469	8.225469	4.136359	4.136359	FALSE	5.68501181	8.225469	FALSE	1089.17	280	0.03228	0.0000406
5477604176260	547760	4176260	8.266893	8.266893	4.978539	4.978539	FALSE	6.842504	8.266893	FALSE	1080.62	280	0.03228	0.0000406
5477804176260	547780	4176260	8.285795	8.285795	5.39745	5.39745	FALSE	7.41825528	8.285795	FALSE	1072.36	280	0.03228	0.0000406
5478004176260	547800	4176260	8.215491	8.215491	4.079045	4.079045	FALSE	5.60623945	8.215491	FALSE	1064.42	280	0.03228	0.0000406
5478204176260	547820	4176260	8.197931	8.197931	3.828929	3.828929	FALSE	5.26248002	8.197931	FALSE	1056.80	280	0.03228	0.0000406
5478404176260	547840	4176260	8.193338	8.193338	3.863328	3.863328	FALSE	5.309758	8.193338	FALSE	1049.51	280	0.03228	0.0000406
5478604176260	547860	4176260	8.193394	8.193394	4.022154	4.022154	FALSE	5.52804846	8.193394	FALSE	1042.54	280	0.03228	0.0000406
5478804176260	547880	4176260	8.201117	8.201117	4.493939	4.493939	FALSE	6.17646976	8.201117	FALSE	1035.92	280	0.03228	0.0000406
5479004176260	547900	4176260	8.219858	8.219858	5.506085	5.506085	FALSE	7.56756322	8.219858	FALSE	1029.64	280	0.03228	0.0000406
5479204176260	547920	4176260	8.264476	8.264476	7.882808	7.882808	FALSE	10.8341313	8.264476	FALSE	1023.72	280	0.03228	0.0000406
5479404176260	547940	4176260	8.37333	8.37333	13.44067	13.44067	FALSE	18.47285	8.37333	FALSE	1018.15	280	0.03228	0.0000406
5479604176260	547960	4176260	8.291983	8.291983	9.104003	9.104003	FALSE	12.5125417	8.291983	FALSE	1012.95	280	0.03228	0.0000406
5479804176260	547980	4176260	8.255854	8.255854	6.909289	6.909289	FALSE	9.4961268	8.255854	FALSE	1008.11	280	0.03228	0.0000406
5480004176260	548000	4176260	8.251596	8.251596	6.271321	6.271321	FALSE	8.61930358	8.251596	FALSE	1003.66	280	0.03228	0.0000406
5480204176260	548020	4176260	8.265787	8.265787	6.302818	6.302818	FALSE	8.66259306	8.265787	FALSE	999.58	280	0.03228	0.0000406
5480404176260	548040	4176260	8.250031	8.250031	5.782106	5.782106	FALSE	7.94692649	8.250031	FALSE	995.89	280	0.03228	0.0000406
5480604176260	548060	4176260	8.229094	8.229094	5.185677	5.185677	FALSE	7.12719447	8.229094	FALSE	992.59	280	0.03228	0.0000406
5480804176260	548080	4176260	8.215002	8.215002	4.788709	4.788709	FALSE	6.58160165	8.215002	FALSE	989.68	280	0.03228	0.0000406
5481004176260	548100	4176260	8.208073	8.208073	4.582512	4.582512	FALSE	6.29820449	8.208073	FALSE	987.17	280	0.03228	0.0000406
5481204176260	548120	4176260	8.211193	8.211193	4.647026	4.647026	FALSE	6.38687253	8.211193	FALSE	985.05	280	0.03228	0.0000406
5481404176260	548140	4176260	8.22043	8.22043	4.871475	4.871475	FALSE	6.69535524	8.22043	FALSE	983.34	280	0.03228	0.0000406
5481604176260	548160	4176260	8.222739	8.222739	4.9797	4.9797	FALSE	6.84409968	8.222739	FALSE	982.04	280	0.03228	0.0000406
5481804176260	548180	4176260	8.217295	8.217295	4.923577	4.923577	FALSE	6.76696423	8.217295	FALSE	981.14	280	0.03228	0.0000406
5482004176260	548200	4176260	8.19588	8.19588	4.483052	4.483052	FALSE	6.16150667	8.19588	FALSE	980.64	280	0.03228	0.0000406
5482204176260	548220	4176260	8.188228	8.188228	4.367829	4.367829	FALSE	6.00314418	8.188228	FALSE	980.56	280	0.03228	0.0000406
5482404176260	548240	4176260	8.188576	8.188576	4.51585	4.51585	FALSE	6.20658424	8.188576	FALSE	980.88	280	0.03228	0.0000406
5482604176260	548260	4176260	8.190433	8.190433	4.746689	4.746689	FALSE	6.52384936	8.190433	FALSE	981.61	280	0.03228	0.0000406
5482804176260	548280	4176260	8.193799	8.193799	5.068027	5.068027	FALSE	6.96549631	8.193799	FALSE	982.75	280	0.03228	0.0000406
5483004176260	548300	4176260	8.195914	8.195914	5.354962	5.354962	FALSE	7.35985977	8.195914	FALSE	984.29	280	0.03228	0.0000406
5483204176260	548320	4176260	8.204154	8.204154	6.007399	6.007399	FALSE	8.25656919	8.204154	FALSE	986.24	280	0.03228	0.0000406

5483404176260	548340	4176260	8.224427	8.224427	7.493762	7.493762	FALSE	10.2994265	8.224427	FALSE	988.58	280	0.03228	0.0000406
5483604176260	548360	4176260	8.236111	8.236111	8.176813	8.176813	FALSE	11.2382118	8.236111	FALSE	991.33	280	0.03228	0.0000406
5483804176260	548380	4176260	8.256187	8.256187	9.585647	9.585647	FALSE	13.1745132	8.256187	FALSE	994.47	280	0.03228	0.0000406
5484004176260	548400	4176260	8.234601	8.234601	8.003001	8.003001	FALSE	10.9993246	8.234601	FALSE	998.00	280	0.03228	0.0000406
5484204176260	548420	4176260	8.22182	8.22182	7.209287	7.209287	FALSE	9.90844405	8.22182	FALSE	1001.91	280	0.03228	0.0000406
5484404176260	548440	4176260	8.215271	8.215271	6.836361	6.836361	FALSE	9.39589456	8.215271	FALSE	1006.21	280	0.03228	0.0000406
5484604176260	548460	4176260	8.213622	8.213622	6.731667	6.731667	FALSE	9.25200312	8.213622	FALSE	1010.89	280	0.03228	0.0000406
5484804176260	548480	4176260	8.218216	8.218216	6.94607	6.94607	FALSE	9.54667861	8.218216	FALSE	1015.94	280	0.03228	0.0000406
5485004176260	548500	4176260	8.225064	8.225064	7.307821	7.307821	FALSE	10.0438692	8.225064	FALSE	1021.35	280	0.03228	0.0000406
5485204176260	548520	4176260	8.232467	8.232467	7.763956	7.763956	FALSE	10.6707811	8.232467	FALSE	1027.13	280	0.03228	0.0000406
5485404176260	548540	4176260	8.240192	8.240192	8.362508	8.362508	FALSE	11.493431	8.240192	FALSE	1033.26	280	0.03228	0.0000406
5485604176260	548560	4176260	8.261892	8.261892	10.06369	10.06369	FALSE	13.83153	8.261892	FALSE	1039.74	280	0.03228	0.0000406
5485804176260	548580	4176260	8.263563	8.263563	9.974324	9.974324	FALSE	13.7087109	8.263563	FALSE	1046.56	280	0.03228	0.0000406
5486004176260	548600	4176260	8.251709	8.251709	9.023298	9.023298	FALSE	12.4016208	8.251709	FALSE	1053.72	280	0.03228	0.0000406
5486204176260	548620	4176260	8.24733	8.24733	8.64993	8.64993	FALSE	11.8884638	8.24733	FALSE	1061.21	280	0.03228	0.0000406
5486404176260	548640	4176260	8.246626	8.246626	8.533254	8.533254	FALSE	11.7281043	8.246626	FALSE	1069.02	280	0.03228	0.0000406
5486604176260	548660	4176260	8.246651	8.246651	8.491565	8.491565	FALSE	11.6708069	8.246651	FALSE	1077.14	280	0.03228	0.0000406
5486804176260	548680	4176260	8.245488	8.245488	8.43612	8.43612	FALSE	11.5946033	8.245488	FALSE	1085.57	280	0.03228	0.0000406
5487004176260	548700	4176260	8.243933	8.243933	8.367779	8.367779	FALSE	11.5006755	8.243933	FALSE	1094.30	280	0.03228	0.0000406
5487204176260	548720	4176260	8.232721	8.232721	7.922402	7.922402	FALSE	10.8885493	8.232721	FALSE	1103.33	280	0.03228	0.0000406
5487404176260	548740	4176260	8.223075	8.223075	7.538627	7.538627	FALSE	10.3610889	8.223075	FALSE	1112.64	280	0.03228	0.0000406
5487604176260	548760	4176260	8.216616	8.216616	7.294981	7.294981	FALSE	10.0262219	8.216616	FALSE	1122.23	280	0.03228	0.0000406
5487804176260	548780	4176260	8.211594	8.211594	7.103166	7.103166	FALSE	9.76259135	8.211594	FALSE	1132.09	280	0.03228	0.0000406
5488004176260	548800	4176260	8.206257	8.206257	6.91035	6.91035	FALSE	9.49758504	8.206257	FALSE	1142.22	280	0.03228	0.0000406
5488204176260	548820	4176260	8.201228	8.201228	6.715433	6.715433	FALSE	9.22969112	8.201228	FALSE	1152.60	280	0.03228	0.0000406
5488404176260	548840	4176260	8.199682	8.199682	6.675771	6.675771	FALSE	9.17517966	8.199682	FALSE	1163.24	280	0.03228	0.0000406
5488604176260	548860	4176260	8.198179	8.198179	6.644753	6.644753	FALSE	9.13254852	8.198179	FALSE	1174.12	280	0.03228	0.0000406
5488804176260	548880	4176260	8.196772	8.196772	6.635012	6.635012	FALSE	9.11916049	8.196772	FALSE	1185.24	280	0.03228	0.0000406
5489004176260	548900	4176260	8.195273	8.195273	6.641618	6.641618	FALSE	9.12823978	8.195273	FALSE	1196.59	280	0.03228	0.0000406
5489204176260	548920	4176260	8.196266	8.196266	6.800031	6.800031	FALSE	9.34596261	8.196266	FALSE	1208.16	280	0.03228	0.0000406
5489404176260	548940	4176260	8.199942	8.199942	7.158051	7.158051	FALSE	9.83802529	8.199942	FALSE	1219.96	280	0.03228	0.0000406
5489604176260	548960	4176260	8.204793	8.204793	7.800829	7.800829	FALSE	10.7214594	8.204793	FALSE	1231.96	280	0.03228	0.0000406
5471204176280	547120	4176280	8.238731	8.238731	5.700447	5.700447	FALSE	7.83469436	8.238731	FALSE	1482.66	280	0.03228	0.0000406
5471404176280	547140	4176280	8.291028	8.291028	7.200081	7.200081	FALSE	9.89579133	8.291028	FALSE	1467.96	280	0.03228	0.0000406
5471604176280	547160	4176280	8.358793	8.358793	9.073934	9.073934	FALSE	12.4712149	8.358793	FALSE	1453.39	280	0.03228	0.0000406
5471804176280	547180	4176280	8.306727	8.306727	7.516002	7.516002	FALSE	10.3299931	8.306727	FALSE	1438.95	280	0.03228	0.0000406
5472004176280	547200	4176280	8.255817	8.255817	6.023294	6.023294	FALSE	8.27841527	8.255817	FALSE	1424.65	280	0.03228	0.0000406
5472204176280	547220	4176280	8.227301	8.227301	5.190586	5.190586	FALSE	7.1339414	8.227301	FALSE	1410.48	280	0.03228	0.0000406
5472404176280	547240	4176280	8.204128	8.204128	4.503494	4.503494	FALSE	6.18960215	8.204128	FALSE	1396.45	280	0.03228	0.0000406
5472604176280	547260	4176280	8.187609	8.187609	3.982452	3.982452	FALSE	5.47348203	8.187609	FALSE	1382.58	280	0.03228	0.0000406
5472804176280	547280	4176280	8.175853	8.175853	3.577005	3.577005	FALSE	4.91623567	8.175853	FALSE	1368.85	280	0.03228	0.0000406
5473004176280	547300	4176280	8.155237	8.155237	3.064901	3.064901	FALSE	4.21239993	8.155237	FALSE	1355.28	280	0.03228	0.0000406
5473204176280	547320	4176280	8.14679	8.14679	2.817414	2.817414	FALSE	3.8722538	8.14679	FALSE	1341.87	280	0.03228	0.0000406
5473404176280	547340	4176280	8.136467	8.136467	2.488547	2.488547	FALSE	3.420259	8.136467	FALSE	1328.63	280	0.03228	0.0000406
5473604176280	547360	4176280	8.128142	8.128142	2.21968	2.21968	FALSE	3.05072819	8.128142	FALSE	1315.55	280	0.03228	0.0000406
5473804176280	547380	4176280	8.122143	8.122143	2.027127	2.027127	FALSE	2.78608335	8.122143	FALSE	1302.66	280	0.03228	0.0000406
5474004176280	547400	4176280	8.118979	8.118979	1.918571	1.918571	FALSE	2.63688398	8.118979	FALSE	1289.94	280	0.03228	0.0000406
5474204176280	547420	4176280	8.116883	8.116883	1.839995	1.839995	FALSE	2.52888913	8.116883	FALSE	1277.41	280	0.03228	0.0000406
5474404176280	547440	4176280	8.116242	8.116242	1.811084	1.811084	FALSE	2.48915385	8.116242	FALSE	1265.08	280	0.03228	0.0000406
5474604176280	547460	4176280	8.116584	8.116584	1.809141	1.809141	FALSE	2.48648339	8.116584	FALSE	1252.94	280	0.03228	0.0000406
5474804176280	547480	4176280	8.117427	8.117427	1.823554	1.823554	FALSE	2.50629262	8.117427	FALSE	1241.00	280	0.03228	0.0000406
5475004176280	547500	4176280	8.118549	8.118549	1.831798	1.831798	FALSE	2.51762317	8.118549	FALSE	1229.28	280	0.03228	0.0000406
5475204176280	547520	4176280	8.122179	8.122179	1.894896	1.894896	FALSE	2.60434506	8.122179	FALSE	1217.76	280	0.03228	0.0000406
5475404176280	547540	4176280	8.138511	8.138511	2.19891	2.19891	FALSE	3.0221819	8.138511	FALSE	1206.48	280	0.03228	0.0000406
5475604176280	547560	4176280	8.129772	8.129772	1.99502	1.99502	FALSE	2.74195549	8.129772	FALSE	1195.42	280	0.03228	0.0000406
5475804176280	547580	4176280	8.126369	8.126369	1.915857	1.915857	FALSE	2.63315386	8.126369	FALSE	1184.59	280	0.03228	0.0000406
5476004176280	547600	4176280	8.12838	8.12838	1.959679	1.959679	FALSE	2.69338282	8.12838	FALSE	1174.00	280	0.03228	0.0000406
5476204176280	547620	4176280	8.134046	8.134046	2.089669	2.089669	FALSE	2.87204107	8.134046	FALSE	1163.67	280	0.03228	0.0000406
5476404176280	547640	4176280	8.144686	8.144686	2.330444	2.330444	FALSE	3.20296223	8.144686	FALSE	1153.58	280	0.03228	0.0000406
5476604176280	547660	4176280	8.160594	8.160594	2.66955	2.66955	FALSE	3.66902952	8.160594	FALSE	1143.76	280	0.03228	0.0000406
5476804176280	547680	4176280	8.190257	8.190257	3.285114	3.285114	FALSE	4.51506068	8.190257	FALSE	1134.20	280	0.03228	0.0000406
5477004176280	547700	4176280	8.271703	8.271703	4.919606	4.919606	FALSE	6.76150649	8.271703	FALSE	1124.92	280	0.03228	0.0000406
5477204176280	547720	4176280	8.342053	8.342053	6.342827	6.342827	FALSE	8.71758143	8.342053	FALSE	1115.92	280	0.03228	0.0000406
5477404176280	547740	4176280	8.244909	8.244909	4.478343	4.478343	FALSE	6.15503462	8.244909	FALSE	1107.21	280	0.03228	0.0000406
5477604176280	547760	4176280	8.263658	8.263658	4.870863	4.870863	FALSE	6.69451411	8.263658	FALSE	1098.80	280	0.03228	0.0000406
5477804176280	547780	4176280	8.219054	8.219054	4.041921	4.041921	FALSE	5.55521622	8.219054	FALSE	1090.68	280	0.03228	0.0000406
5478004176280	547800	4176280	8.198494	8.198494	3.689224	3.689224	FALSE	5.07046947	8.198494	FALSE	1082.87	280	0.03228	0.0000406
5478204176280	547820	4176280	8.19121	8.19121	3.620024	3.620024	FALSE	4.97536099	8.19121	FALSE	1075.38	280	0.03228	0.0000406
5478404176280	547840	4176280	8.19021	8.19021	3.691174	3.691174	FALSE	5.07314955	8.19021	FALSE	1068.22	280	0.03228	0.0000406
5478604176280	547860	4176280	8.192025	8.192025	3.836493	3.836493	FALSE	5.27287598	8.192025	FALSE	1061.38	280	0.03228	0.0000406
5478804176280	547880	4176280	8.201027	8.201027	4.261891	4.261891	FALSE	5.85754299	8.201027	FALSE	1054.87	280	0.03228	0.0000406
5479004176280	547900	4176280	8.222218	8.222218	5.262548	5.262548	FALSE	7.23284597	8.222218	FALSE	1048.71	280	0.03228	0.0000406
5479204176280	547920	4176280	8.280224	8.280224	8.26912	8.26912	FALSE	11.3650785	8.280224	FALSE	1042.89	280	0.03228	0.0000406
5479404176280	547940	4176280	8.387299	8.387299	13.85779	13.85779	FALSE	19.0461507	8.387299	FALSE	1037.42	280	0.03228	0.0000406
5479604176280	547960	4176280	8.267714	8.267714	7.678767	7.678767	FALSE	10.5536974	8.267714	FALSE	1032.32	280	0.03228	0.0000406
5479804176280	547980	4176280	8.245526	8.245526	6.255364	6.255364	FALSE	8.59737228	8.245526	FALSE	1027.58	280	0.03228	0.0000406
5480004176280	548000	4176280	8.251848	8.251848	6.007308	6.007308	FALSE	8.25644412	8.251848	FALSE	1023.21	280	0.03228	0.0000406
5480204176280	548020	4176280	8.269599	8.269599	6.180539	6.180539	FALSE	8.4945328	8.269599	FALSE	1019.21	280	0.03228	0.0000406
5480404176280	548040	4176280	8.23084	8.23084	5.20086	5.20086	FALSE	7.14806198	8.23084	FALSE	1015.59	280	0.03228	0.0000406
5480604176280	548060	4176280	8.211336	8.211336	4.649981	4.649981	FALSE	6.39093389	8.211336	FALSE	1012.35	280	0.03228	0.0000406
5480804176280	548080	4176280	8.199074	8.199074	4.303824	4.303824	FALSE	5.91517571	8.199074	FALSE	1009.50	280	0.03228	0.0000406
5481004176280	548100	4176280	8.193019	8.193019	4.127227	4.127227	FALSE	5.67246079	8.193019	FALSE	1007.03	280	0.03228	0.0000406
5481204176280	548120	4176280	8.195911	8.195911	4.2016	4.2016	FALSE	5.77467904	8.195911	FALSE	1004.96	280	0.03228	0.0000406
5481404176280	548140	4176280	8.204867	8.204867	4.423548	4.423548	FALSE	6.07972437	8.204867	FALSE	1003.29	280	0.03228	0.0000406
5481604176280	548160	4176280	8.204205	8.204205	4.474213	4.474213	FALSE	6.14935835	8.204205	FALSE	1002.01	280	0.03228	0.0000406
5481804176280	548180	4176280	8.206307	8.206307	4.610392	4.610392	FALSE	6.33652276	8.206307	FALSE	1001.12	280	0.03228	0.0000406
5482004176280	548200	4176280	8.187364	8.187364	4.254039	4.254039	FALSE	5.8467512	8.187364	FALSE	1000.64	280	0.03228	0.0000406
5482204176280	548220	4176280	8.18203	8.18203	4.217438	4.217438	FALSE	5.79644679	8.18203	FALSE	1000.56	280	0.03228	0.0000406
5482404176280	548240	4176280	8.181575	8.181575	4.339081	4.339081	FALSE	5.96363293	8.181575	FALSE	1000.87	280	0.03228	0.0000406
5482604176280	548260	4176280	8.181913	8.181913	4.510865	4.510865	FALSE	6.19973286	8.181913	FALSE	1001.59	280	0.03228	0.0000406
5482804176280	548280	4176280	8.182997	8.182997	4.732985	4.732985	FALSE	6.50501458	8.182997	FALSE	1002.70	280	0.03228	0.0000406
5483004176280	548300	4176280	8.183358	8.183358	4.942814	4.942814	FALSE	6.79340356	8.183358	FALSE	1004.22	280	0.03228	0.0000406
5483204176280	548320	4176280	8.189318	8.189318	5.485363	5.485363	FALSE	7.53908291	8.189318	FALSE	1006.12	280	0.03228	0.0000406
5483404176280	548340	4176280	8.206159	8.206159	6.801716	6.801716	FALSE	9.34827847	8.206159	FALSE	1008.42	280	0.03228	0.0000406

5483604176280	548360	4176280	8.214571	8.214571	7.282954	7.282954	FALSE	10.009692	8.214571	FALSE	1011.11	280	0.03228	0.0000406
5483804176280	548380	4176280	8.235159	8.235159	8.740133	8.740133	FALSE	12.0124388	8.235159	FALSE	1014.19	280	0.03228	0.0000406
5484004176280	548400	4176280	8.213777	8.213777	7.153782	7.153782	FALSE	9.83215798	8.213777	FALSE	1017.65	280	0.03228	0.0000406
5484204176280	548420	4176280	8.203058	8.203058	6.445811	6.445811	FALSE	8.85912264	8.203058	FALSE	1021.49	280	0.03228	0.0000406
5484404176280	548440	4176280	8.198449	8.198449	6.157836	6.157836	FALSE	8.4633298	8.198449	FALSE	1025.71	280	0.03228	0.0000406
5484604176280	548460	4176280	8.199277	8.199277	6.17233	6.17233	FALSE	8.48325035	8.199277	FALSE	1030.30	280	0.03228	0.0000406
5484804176280	548480	4176280	8.203756	8.203756	6.39098	6.39098	FALSE	8.78376291	8.203756	FALSE	1035.25	280	0.03228	0.0000406
5485004176280	548500	4176280	8.209764	8.209764	6.708319	6.708319	FALSE	9.21991363	8.209764	FALSE	1040.57	280	0.03228	0.0000406
5485204176280	548520	4176280	8.216782	8.216782	7.138437	7.138437	FALSE	9.81106781	8.216782	FALSE	1046.24	280	0.03228	0.0000406
5485404176280	548540	4176280	8.223178	8.223178	7.630508	7.630508	FALSE	10.4873702	8.223178	FALSE	1052.26	280	0.03228	0.0000406
5485604176280	548560	4176280	8.240938	8.240938	9.060321	9.060321	FALSE	12.4525052	8.240938	FALSE	1058.62	280	0.03228	0.0000406
5485804176280	548580	4176280	8.238376	8.238376	8.678435	8.678435	FALSE	11.9276411	8.238376	FALSE	1065.32	280	0.03228	0.0000406
5486004176280	548600	4176280	8.232519	8.232519	8.182399	8.182399	FALSE	11.2458892	8.232519	FALSE	1072.36	280	0.03228	0.0000406
5486204176280	548620	4176280	8.229876	8.229876	7.950971	7.950971	FALSE	10.9278145	8.229876	FALSE	1079.71	280	0.03228	0.0000406
5486404176280	548640	4176280	8.230906	8.230906	7.92149	7.92149	FALSE	10.8872959	8.230906	FALSE	1087.39	280	0.03228	0.0000406
5486604176280	548660	4176280	8.228505	8.228505	7.789608	7.789608	FALSE	10.7060372	8.228505	FALSE	1095.38	280	0.03228	0.0000406
5486804176280	548680	4176280	8.224001	8.224001	7.597338	7.597338	FALSE	10.4417813	8.224001	FALSE	1103.67	280	0.03228	0.0000406
5487004176280	548700	4176280	8.218685	8.218685	7.367084	7.367084	FALSE	10.1253202	8.218685	FALSE	1112.26	280	0.03228	0.0000406
5487204176280	548720	4176280	8.208241	8.208241	6.939714	6.939714	FALSE	9.53794292	8.208241	FALSE	1121.14	280	0.03228	0.0000406
5487404176280	548740	4176280	8.199378	8.199378	6.575738	6.575738	FALSE	9.03769431	8.199378	FALSE	1130.30	280	0.03228	0.0000406
5487604176280	548760	4176280	8.193564	8.193564	6.33288	6.33288	FALSE	8.70391027	8.193564	FALSE	1139.74	280	0.03228	0.0000406
5487804176280	548780	4176280	8.189334	8.189334	6.148899	6.148899	FALSE	8.45104679	8.189334	FALSE	1149.46	280	0.03228	0.0000406
5488004176280	548800	4176280	8.185481	8.185481	5.995911	5.995911	FALSE	8.24078008	8.185481	FALSE	1159.43	280	0.03228	0.0000406
5488204176280	548820	4176280	8.182708	8.182708	5.884585	5.884585	FALSE	8.08777362	8.182708	FALSE	1169.66	280	0.03228	0.0000406
5488404176280	548840	4176280	8.181706	8.181706	5.853261	5.853261	FALSE	8.04472192	8.181706	FALSE	1180.15	280	0.03228	0.0000406
5488604176280	548860	4176280	8.180296	8.180296	5.805756	5.805756	FALSE	7.97943105	8.180296	FALSE	1190.87	280	0.03228	0.0000406
5488804176280	548880	4176280	8.178604	8.178604	5.758278	5.758278	FALSE	7.91417728	8.178604	FALSE	1201.84	280	0.03228	0.0000406
5489004176280	548900	4176280	8.177251	8.177251	5.754707	5.754707	FALSE	7.9092693	8.177251	FALSE	1213.03	280	0.03228	0.0000406
5489204176280	548920	4176280	8.177885	8.177885	5.883422	5.883422	FALSE	8.0861752	8.177885	FALSE	1224.45	280	0.03228	0.0000406
5489404176280	548940	4176280	8.18081	8.18081	6.213152	6.213152	FALSE	8.53935611	8.18081	FALSE	1236.09	280	0.03228	0.0000406
5471404176300	547140	4176300	8.298458	8.298458	7.385776	7.385776	FALSE	10.1510105	8.298458	FALSE	1481.67	280	0.03228	0.0000406
5471604176300	547160	4176300	8.280172	8.280172	6.83652	6.83652	FALSE	9.39611309	8.280172	FALSE	1467.23	280	0.03228	0.0000406
5471804176300	547180	4176300	8.248	8.248	5.896371	5.896371	FALSE	8.1039723	8.248	FALSE	1452.93	280	0.03228	0.0000406
5472004176300	547200	4176300	8.226375	8.226375	5.253693	5.253693	FALSE	7.22067566	8.226375	FALSE	1438.76	280	0.03228	0.0000406
5472204176300	547220	4176300	8.206357	8.206357	4.657992	4.657992	FALSE	6.4019442	8.206357	FALSE	1424.74	280	0.03228	0.0000406
5472404176300	547240	4176300	8.188342	8.188342	4.118037	4.118037	FALSE	5.65983005	8.188342	FALSE	1410.85	280	0.03228	0.0000406
5472604176300	547260	4176300	8.171744	8.171744	3.632298	3.632298	FALSE	4.99223037	8.171744	FALSE	1397.12	280	0.03228	0.0000406
5472804176300	547280	4176300	8.162296	8.162296	3.321693	3.321693	FALSE	4.56533486	8.162296	FALSE	1383.54	280	0.03228	0.0000406
5473004176300	547300	4176300	8.154515	8.154515	3.090917	3.090917	FALSE	4.24815632	8.154515	FALSE	1370.11	280	0.03228	0.0000406
5473204176300	547320	4176300	8.148697	8.148697	2.913793	2.913793	FALSE	4.0047171	8.148697	FALSE	1356.85	280	0.03228	0.0000406
5473404176300	547340	4176300	8.140684	8.140684	2.657293	2.657293	FALSE	3.6521835	8.140684	FALSE	1343.75	280	0.03228	0.0000406
5473604176300	547360	4176300	8.131943	8.131943	2.368153	2.368153	FALSE	3.25478948	8.131943	FALSE	1330.83	280	0.03228	0.0000406
5473804176300	547380	4176300	8.124365	8.124365	2.117817	2.117817	FALSE	2.91072768	8.124365	FALSE	1318.08	280	0.03228	0.0000406
5474004176300	547400	4176300	8.120339	8.120339	1.978412	1.978412	FALSE	2.71912945	8.120339	FALSE	1305.52	280	0.03228	0.0000406
5474204176300	547420	4176300	8.117889	8.117889	1.887731	1.887731	FALSE	2.59449749	8.117889	FALSE	1293.14	280	0.03228	0.0000406
5474404176300	547440	4176300	8.117156	8.117156	1.855295	1.855295	FALSE	2.54991745	8.117156	FALSE	1280.95	280	0.03228	0.0000406
5474604176300	547460	4176300	8.116872	8.116872	1.83781	1.83781	FALSE	2.52588606	8.116872	FALSE	1268.97	280	0.03228	0.0000406
5474804176300	547480	4176300	8.117183	8.117183	1.839579	1.839579	FALSE	2.52831738	8.117183	FALSE	1257.18	280	0.03228	0.0000406
5475004176300	547500	4176300	8.117964	8.117964	1.844498	1.844498	FALSE	2.53507805	8.117964	FALSE	1245.61	280	0.03228	0.0000406
5475204176300	547520	4176300	8.121017	8.121017	1.903116	1.903116	FALSE	2.61564263	8.121017	FALSE	1234.25	280	0.03228	0.0000406
5475404176300	547540	4176300	8.124058	8.124058	1.946255	1.946255	FALSE	2.67493287	8.124058	FALSE	1223.11	280	0.03228	0.0000406
5475604176300	547560	4176300	8.125902	8.125902	1.954495	1.954495	FALSE	2.68625793	8.125902	FALSE	1212.20	280	0.03228	0.0000406
5475804176300	547580	4176300	8.127185	8.127185	1.965622	1.965622	FALSE	2.70155088	8.127185	FALSE	1201.53	280	0.03228	0.0000406
5476004176300	547600	4176300	8.130532	8.130532	2.032496	2.032496	FALSE	2.7934625	8.130532	FALSE	1191.09	280	0.03228	0.0000406
5476204176300	547620	4176300	8.136276	8.136276	2.156902	2.156902	FALSE	2.96444611	8.136276	FALSE	1180.91	280	0.03228	0.0000406
5476404176300	547640	4176300	8.146813	8.146813	2.388139	2.388139	FALSE	3.28225824	8.146813	FALSE	1170.97	280	0.03228	0.0000406
5476604176300	547660	4176300	8.163404	8.163404	2.735033	2.735033	FALSE	3.75902936	8.163404	FALSE	1161.29	280	0.03228	0.0000406
5476804176300	547680	4176300	8.19851	8.19851	3.456044	3.456044	FALSE	4.74998687	8.19851	FALSE	1151.89	280	0.03228	0.0000406
5477004176300	547700	4176300	8.205654	8.205654	3.614339	3.614339	FALSE	4.96754752	8.205654	FALSE	1142.75	280	0.03228	0.0000406
5477204176300	547720	4176300	8.23581	8.23581	4.238262	4.238262	FALSE	5.82506729	8.23581	FALSE	1133.89	280	0.03228	0.0000406
5477404176300	547740	4176300	8.219364	8.219364	3.970715	3.970715	FALSE	5.4573507	8.219364	FALSE	1125.32	280	0.03228	0.0000406
5477604176300	547760	4176300	8.206075	8.206075	3.729413	3.729413	FALSE	5.12570523	8.206075	FALSE	1117.04	280	0.03228	0.0000406
5477804176300	547780	4176300	8.195961	8.195961	3.571106	3.571106	FALSE	4.90812809	8.195961	FALSE	1109.06	280	0.03228	0.0000406
5478004176300	547800	4176300	8.190246	8.190246	3.502493	3.502493	FALSE	4.81382638	8.190246	FALSE	1101.38	280	0.03228	0.0000406
5478204176300	547820	4176300	8.188523	8.188523	3.513484	3.513484	FALSE	4.82893241	8.188523	FALSE	1094.02	280	0.03228	0.0000406
5478404176300	547840	4176300	8.190818	8.190818	3.619025	3.619025	FALSE	4.97398796	8.190818	FALSE	1086.97	280	0.03228	0.0000406
5478604176300	547860	4176300	8.195694	8.195694	3.78461	3.78461	FALSE	5.20156798	8.195694	FALSE	1080.25	280	0.03228	0.0000406
5478804176300	547880	4176300	8.207389	8.207389	4.140364	4.140364	FALSE	5.69051628	8.207389	FALSE	1073.86	280	0.03228	0.0000406
5479004176300	547900	4176300	8.234249	8.234249	4.918756	4.918756	FALSE	6.76033825	8.234249	FALSE	1067.80	280	0.03228	0.0000406
5479204176300	547920	4176300	8.336629	8.336629	7.539575	7.539575	FALSE	10.3623919	8.336629	FALSE	1062.09	280	0.03228	0.0000406
5479404176300	547940	4176300	8.310866	8.310866	8.012258	8.012258	FALSE	11.0120474	8.310866	FALSE	1056.73	280	0.03228	0.0000406
5479604176300	547960	4176300	8.253836	8.253836	6.343758	6.343758	FALSE	8.718861	8.253836	FALSE	1051.72	280	0.03228	0.0000406
5479804176300	547980	4176300	8.241958	8.241958	5.708027	5.708027	FALSE	7.84511231	8.241958	FALSE	1047.06	280	0.03228	0.0000406
5480004176300	548000	4176300	8.266177	8.266177	6.018912	6.018912	FALSE	8.27239265	8.266177	FALSE	1042.77	280	0.03228	0.0000406
5480204176300	548020	4176300	8.243496	8.243496	5.388705	5.388705	FALSE	7.40623615	8.243496	FALSE	1038.85	280	0.03228	0.0000406
5480404176300	548040	4176300	8.213652	8.213652	4.617337	4.617337	FALSE	6.34606797	8.213652	FALSE	1035.30	280	0.03228	0.0000406
5480604176300	548060	4176300	8.198956	8.198956	4.191825	4.191825	FALSE	5.76124428	8.198956	FALSE	1032.12	280	0.03228	0.0000406
5480804176300	548080	4176300	8.189529	8.189529	3.906957	3.906957	FALSE	5.3697217	8.189529	FALSE	1029.32	280	0.03228	0.0000406
5481004176300	548100	4176300	8.185024	8.185024	3.749373	3.749373	FALSE	5.15313825	8.185024	FALSE	1026.91	280	0.03228	0.0000406
5481204176300	548120	4176300	8.189048	8.189048	3.908521	3.908521	FALSE	5.37187126	8.189048	FALSE	1024.88	280	0.03228	0.0000406
5481404176300	548140	4176300	8.19807	8.19807	4.188783	4.188783	FALSE	5.75706336	8.19807	FALSE	1023.23	280	0.03228	0.0000406
5481604176300	548160	4176300	8.197333	8.197333	4.282909	4.282909	FALSE	5.88643013	8.197333	FALSE	1021.98	280	0.03228	0.0000406
5481804176300	548180	4176300	8.199306	8.199306	4.468553	4.468553	FALSE	6.14157924	8.199306	FALSE	1021.11	280	0.03228	0.0000406
5482004176300	548200	4176300	8.183246	8.183246	4.211684	4.211684	FALSE	5.78853849	8.183246	FALSE	1020.64	280	0.03228	0.0000406
5482204176300	548220	4176300	8.179641	8.179641	4.249684	4.249684	FALSE	5.84076569	8.179641	FALSE	1020.56	280	0.03228	0.0000406
5482404176300	548240	4176300	8.179473	8.179473	4.389503	4.389503	FALSE	6.03293292	8.179473	FALSE	1020.87	280	0.03228	0.0000406
5482604176300	548260	4176300	8.179035	8.179035	4.54556	4.54556	FALSE	6.24741766	8.179035	FALSE	1021.57	280	0.03228	0.0000406
5482804176300	548280	4176300	8.17822	8.17822	4.700921	4.700921	FALSE	6.46094582	8.17822	FALSE	1022.66	280	0.03228	0.0000406
5483004176300	548300	4176300	8.177001	8.177001	4.846461	4.846461	FALSE	6.660976	8.177001	FALSE	1024.14	280	0.03228	0.0000406
5483204176300	548320	4176300	8.180819	8.180819	5.290262	5.290262	FALSE	7.27093609	8.180819	FALSE	1026.01	280	0.03228	0.0000406
5483404176300	548340	4176300	8.193758	8.193758	6.380913	6.380913	FALSE	8.76992683	8.193758	FALSE	1028.27	280	0.03228	0.0000406
5483604176300	548360	4176300	8.252236	8.252236	10.62402	10.62402	FALSE	14.6016531	8.252236	FALSE	1030.91	280	0.03228	0.0000406
5483804176300	548380	4176300	8.223537	8.223537	8.343508	8.343508	FALSE	11.4673174	8.223537	FALSE	1033.93	280	0.03228	0.0000406
5484004176300	548400	4176300	8.201262	8.201262	6.70638	6.70638	FALSE	9.21724867	8.201262	FALSE	1037.32	280	0.03228	0.0000406

5484204176300	548420	4176300	8.191586	8.191586	6.039418	6.039418	FALSE	8.3005761	8.191586	FALSE	1041.09	280	0.03228	0.0000406
5484404176300	548440	4176300	8.188032	8.188032	5.793292	5.793292	FALSE	7.96230052	8.188032	FALSE	1045.23	280	0.03228	0.0000406
5484604176300	548460	4176300	8.190281	8.190281	5.872068	5.872068	FALSE	8.07057026	8.190281	FALSE	1049.73	280	0.03228	0.0000406
5484804176300	548480	4176300	8.193333	8.193333	6.03059	6.03059	FALSE	8.2884429	8.193333	FALSE	1054.60	280	0.03228	0.0000406
5485004176300	548500	4176300	8.198415	8.198415	6.303138	6.303138	FALSE	8.66303287	8.198415	FALSE	1059.81	280	0.03228	0.0000406
5485204176300	548520	4176300	8.20447	8.20447	6.67958	6.67958	FALSE	9.18041475	8.20447	FALSE	1065.38	280	0.03228	0.0000406
5485404176300	548540	4176300	8.212127	8.212127	7.229552	7.229552	FALSE	9.93629627	8.212127	FALSE	1071.29	280	0.03228	0.0000406
5485604176300	548560	4176300	8.21641	8.21641	7.499536	7.499536	FALSE	10.3073623	8.21641	FALSE	1077.55	280	0.03228	0.0000406
5485804176300	548580	4176300	8.224192	8.224192	8.091922	8.091922	FALSE	11.1215376	8.224192	FALSE	1084.13	280	0.03228	0.0000406
5486004176300	548600	4176300	8.220924	8.220924	7.733882	7.733882	FALSE	10.6294474	8.220924	FALSE	1091.04	280	0.03228	0.0000406
5486204176300	548620	4176300	8.219742	8.219742	7.590866	7.590866	FALSE	10.4328862	8.219742	FALSE	1098.27	280	0.03228	0.0000406
5486404176300	548640	4176300	8.220411	8.220411	7.559592	7.559592	FALSE	10.3899032	8.220411	FALSE	1105.82	280	0.03228	0.0000406
5486604176300	548660	4176300	8.215582	8.215582	7.336272	7.336272	FALSE	10.0829722	8.215582	FALSE	1113.67	280	0.03228	0.0000406
5486804176300	548680	4176300	8.208556	8.208556	7.042009	7.042009	FALSE	9.67853717	8.208556	FALSE	1121.83	280	0.03228	0.0000406
5487004176300	548700	4176300	8.201206	8.201206	6.723662	6.723662	FALSE	9.24100105	8.201206	FALSE	1130.28	280	0.03228	0.0000406
5487204176300	548720	4176300	8.192297	8.192297	6.330826	6.330826	FALSE	8.70108725	8.192297	FALSE	1139.02	280	0.03228	0.0000406
5487404176300	548740	4176300	8.183652	8.183652	5.925277	5.925277	FALSE	8.14370071	8.183652	FALSE	1148.04	280	0.03228	0.0000406
5487604176300	548760	4176300	8.177034	8.177034	5.594286	5.594286	FALSE	7.68878668	8.177034	FALSE	1157.34	280	0.03228	0.0000406
5487804176300	548780	4176300	8.173851	8.173851	5.439303	5.439303	FALSE	7.47577804	8.173851	FALSE	1166.91	280	0.03228	0.0000406
5488004176300	548800	4176300	8.171715	8.171715	5.359934	5.359934	FALSE	7.36669329	8.171715	FALSE	1176.73	280	0.03228	0.0000406
5488204176300	548820	4176300	8.171307	8.171307	5.365244	5.365244	FALSE	7.37399135	8.171307	FALSE	1186.82	280	0.03228	0.0000406
5488404176300	548840	4176300	8.170892	8.170892	5.35199	5.35199	FALSE	7.35577506	8.170892	FALSE	1197.15	280	0.03228	0.0000406
5488604176300	548860	4176300	8.169482	8.169482	5.290232	5.290232	FALSE	7.27089486	8.169482	FALSE	1207.73	280	0.03228	0.0000406
5488804176300	548880	4176300	8.16727	8.16727	5.198926	5.198926	FALSE	7.14540389	8.16727	FALSE	1218.54	280	0.03228	0.0000406
5489004176300	548900	4176300	8.166786	8.166786	5.228269	5.228269	FALSE	7.18573291	8.166786	FALSE	1229.58	280	0.03228	0.0000406
5489204176300	548920	4176300	8.167903	8.167903	5.363819	5.363819	FALSE	7.37203283	8.167903	FALSE	1240.85	280	0.03228	0.0000406
5489404176300	548940	4176300	8.171027	8.171027	5.682734	5.682734	FALSE	7.81034961	8.171027	FALSE	1252.33	280	0.03228	0.0000406
5471604176320	547160	4176320	8.242133	8.242133	5.75501	5.75501	FALSE	7.90968574	8.242133	FALSE	1481.21	280	0.03228	0.0000406
5471804176320	547180	4176320	8.22578	8.22578	5.292722	5.292722	FALSE	7.27431712	8.22578	FALSE	1467.05	280	0.03228	0.0000406
5472004176320	547200	4176320	8.210382	8.210382	4.834096	4.834096	FALSE	6.64398154	8.210382	FALSE	1453.02	280	0.03228	0.0000406
5472204176320	547220	4176320	8.193742	8.193742	4.334697	4.334697	FALSE	5.95760756	8.193742	FALSE	1439.13	280	0.03228	0.0000406
5472404176320	547240	4176320	8.180085	8.180085	3.922427	3.922427	FALSE	5.39098367	8.180085	FALSE	1425.39	280	0.03228	0.0000406
5472604176320	547260	4176320	8.168466	8.168466	3.589115	3.589115	FALSE	4.93287966	8.168466	FALSE	1411.79	280	0.03228	0.0000406
5472804176320	547280	4176320	8.158438	8.158438	3.262219	3.262219	FALSE	4.48359379	8.158438	FALSE	1398.35	280	0.03228	0.0000406
5473004176320	547300	4176320	8.152518	8.152518	3.074332	3.074332	FALSE	4.2253619	8.152518	FALSE	1385.07	280	0.03228	0.0000406
5473204176320	547320	4176320	8.148996	8.148996	2.962394	2.962394	FALSE	4.07151431	8.148996	FALSE	1371.96	280	0.03228	0.0000406
5473404176320	547340	4176320	8.140825	8.140825	2.694912	2.694912	FALSE	3.70388705	8.140825	FALSE	1359.01	280	0.03228	0.0000406
5473604176320	547360	4176320	8.133026	8.133026	2.433147	2.433147	FALSE	3.34411724	8.133026	FALSE	1346.23	280	0.03228	0.0000406
5473804176320	547380	4176320	8.126763	8.126763	2.221807	2.221807	FALSE	3.05365154	8.126763	FALSE	1333.63	280	0.03228	0.0000406
5474004176320	547400	4176320	8.122695	8.122695	2.077966	2.077966	FALSE	2.85595647	8.122695	FALSE	1321.21	280	0.03228	0.0000406
5474204176320	547420	4176320	8.119674	8.119674	1.966868	1.966868	FALSE	2.70326338	8.119674	FALSE	1308.98	280	0.03228	0.0000406
5474404176320	547440	4176320	8.118137	8.118137	1.9087	1.9087	FALSE	2.62331728	8.118137	FALSE	1296.94	280	0.03228	0.0000406
5474604176320	547460	4176320	8.117661	8.117661	1.88655	1.88655	FALSE	2.59287432	8.117661	FALSE	1285.10	280	0.03228	0.0000406
5474804176320	547480	4176320	8.117824	8.117824	1.887833	1.887833	FALSE	2.59463768	8.117824	FALSE	1273.47	280	0.03228	0.0000406
5475004176320	547500	4176320	8.118584	8.118584	1.893996	1.893996	FALSE	2.6031081	8.118584	FALSE	1262.05	280	0.03228	0.0000406
5475204176320	547520	4176320	8.121507	8.121507	1.954759	1.954759	FALSE	2.68662077	8.121507	FALSE	1250.84	280	0.03228	0.0000406
5475404176320	547540	4176320	8.123693	8.123693	1.981716	1.981716	FALSE	2.72367047	8.123693	FALSE	1239.85	280	0.03228	0.0000406
5475604176320	547560	4176320	8.125369	8.125369	1.98526	1.98526	FALSE	2.72854134	8.125369	FALSE	1229.09	280	0.03228	0.0000406
5475804176320	547580	4176320	8.128944	8.128944	2.0431	2.0431	FALSE	2.80803664	8.128944	FALSE	1218.56	280	0.03228	0.0000406
5476004176320	547600	4176320	8.133776	8.133776	2.136791	2.136791	FALSE	2.93680555	8.133776	FALSE	1208.27	280	0.03228	0.0000406
5476204176320	547620	4176320	8.140268	8.140268	2.268219	2.268219	FALSE	3.11744019	8.140268	FALSE	1198.23	280	0.03228	0.0000406
5476404176320	547640	4176320	8.151664	8.151664	2.508913	2.508913	FALSE	3.44825003	8.151664	FALSE	1188.44	280	0.03228	0.0000406
5476604176320	547660	4176320	8.170021	8.170021	2.881382	2.881382	FALSE	3.96017142	8.170021	FALSE	1178.91	280	0.03228	0.0000406
5476804176320	547680	4176320	8.211909	8.211909	3.72507	3.72507	FALSE	5.11973621	8.211909	FALSE	1169.64	280	0.03228	0.0000406
5477004176320	547700	4176320	8.296639	8.296639	5.395234	5.395234	FALSE	7.41520961	8.296639	FALSE	1160.64	280	0.03228	0.0000406
5477204176320	547720	4176320	8.214367	8.214367	3.817451	3.817451	FALSE	5.24670465	8.214367	FALSE	1151.92	280	0.03228	0.0000406
5477404176320	547740	4176320	8.198236	8.198236	3.538466	3.538466	FALSE	4.86326767	8.198236	FALSE	1143.49	280	0.03228	0.0000406
5477604176320	547760	4176320	8.191317	8.191317	3.427404	3.427404	FALSE	4.71062406	8.191317	FALSE	1135.34	280	0.03228	0.0000406
5477804176320	547780	4176320	8.188209	8.188209	3.398592	3.398592	FALSE	4.67102484	8.188209	FALSE	1127.49	280	0.03228	0.0000406
5478004176320	547800	4176320	8.186813	8.186813	3.391789	3.391789	FALSE	4.6616748	8.186813	FALSE	1119.94	280	0.03228	0.0000406
5478204176320	547820	4176320	8.189387	8.189387	3.474488	3.474488	FALSE	4.77533631	8.189387	FALSE	1112.70	280	0.03228	0.0000406
5478404176320	547840	4176320	8.195758	8.195758	3.64003	3.64003	FALSE	5.00285723	8.195758	FALSE	1105.77	280	0.03228	0.0000406
5478604176320	547860	4176320	8.205774	8.205774	3.8716	3.8716	FALSE	5.32112704	8.205774	FALSE	1099.16	280	0.03228	0.0000406
5478804176320	547880	4176320	8.225724	8.225724	4.295382	4.295382	FALSE	5.90357302	8.225724	FALSE	1092.88	280	0.03228	0.0000406
5479004176320	547900	4176320	8.274675	8.274675	5.320295	5.320295	FALSE	7.31221345	8.274675	FALSE	1086.93	280	0.03228	0.0000406
5479204176320	547920	4176320	8.314938	8.314938	6.195393	6.195393	FALSE	8.51494814	8.314938	FALSE	1081.32	280	0.03228	0.0000406
5479404176320	547940	4176320	8.24914	8.24914	5.18595	5.18595	FALSE	7.12756968	8.24914	FALSE	1076.05	280	0.03228	0.0000406
5479604176320	547960	4176320	8.23273	8.23273	5.055341	5.055341	FALSE	6.94806067	8.23273	FALSE	1071.13	280	0.03228	0.0000406
5479804176320	547980	4176320	8.234219	8.234219	5.060572	5.060572	FALSE	6.95525016	8.234219	FALSE	1066.56	280	0.03228	0.0000406
5480004176320	548000	4176320	8.240585	8.240585	5.113311	5.113311	FALSE	7.02773464	8.240585	FALSE	1062.35	280	0.03228	0.0000406
5480204176320	548020	4176320	8.228381	8.228381	4.774191	4.774191	FALSE	6.56164811	8.228381	FALSE	1058.50	280	0.03228	0.0000406
5480404176320	548040	4176320	8.203458	8.203458	4.132707	4.132707	FALSE	5.6799925	8.203458	FALSE	1055.02	280	0.03228	0.0000406
5480604176320	548060	4176320	8.193151	8.193151	3.803642	3.803642	FALSE	5.22772556	8.193151	FALSE	1051.90	280	0.03228	0.0000406
5480804176320	548080	4176320	8.192232	8.192232	3.712801	3.712801	FALSE	5.10287369	8.192232	FALSE	1049.16	280	0.03228	0.0000406
5481004176320	548100	4176320	8.201462	8.201462	3.872691	3.872691	FALSE	5.32262651	8.201462	FALSE	1046.79	280	0.03228	0.0000406
5481204176320	548120	4176320	8.213416	8.213416	4.217242	4.217242	FALSE	5.7961774	8.213416	FALSE	1044.79	280	0.03228	0.0000406
5481404176320	548140	4176320	8.216127	8.216127	4.466598	4.466598	FALSE	6.13889229	8.216127	FALSE	1043.18	280	0.03228	0.0000406
5481604176320	548160	4176320	8.225804	8.225804	4.934131	4.934131	FALSE	6.78146965	8.225804	FALSE	1041.95	280	0.03228	0.0000406
5481804176320	548180	4176320	8.202779	8.202779	4.765545	4.765545	FALSE	6.54976505	8.202779	FALSE	1041.10	280	0.03228	0.0000406
5482004176320	548200	4176320	8.18501	8.18501	4.503729	4.503729	FALSE	6.18992514	8.18501	FALSE	1040.64	280	0.03228	0.0000406
5482204176320	548220	4176320	8.181969	8.181969	4.649853	4.649853	FALSE	6.39075796	8.181969	FALSE	1040.56	280	0.03228	0.0000406
5482404176320	548240	4176320	8.180764	8.180764	4.800673	4.800673	FALSE	6.59804497	8.180764	FALSE	1040.86	280	0.03228	0.0000406
5482604176320	548260	4176320	8.180097	8.180097	4.967821	4.967821	FALSE	6.82777318	8.180097	FALSE	1041.55	280	0.03228	0.0000406
5482804176320	548280	4176320	8.179433	8.179433	5.133803	5.133803	FALSE	7.05589884	8.179433	FALSE	1042.62	280	0.03228	0.0000406
5483004176320	548300	4176320	8.179296	8.179296	5.328302	5.328302	FALSE	7.32321827	8.179296	FALSE	1044.08	280	0.03228	0.0000406
5483204176320	548320	4176320	8.184112	8.184112	5.818382	5.818382	FALSE	7.99678422	8.184112	FALSE	1045.91	280	0.03228	0.0000406
5483404176320	548340	4176320	8.199252	8.199252	7.046939	7.046939	FALSE	9.68531296	8.199252	FALSE	1048.12	280	0.03228	0.0000406
5483604176320	548360	4176320	8.209662	8.209662	7.697467	7.697467	FALSE	10.5793986	8.209662	FALSE	1050.71	280	0.03228	0.0000406
5483804176320	548380	4176320	8.225359	8.225359	8.81034	8.81034	FALSE	12.1089313	8.225359	FALSE	1053.67	280	0.03228	0.0000406
5484004176320	548400	4176320	8.200413	8.200413	6.976092	6.976092	FALSE	9.58794084	8.200413	FALSE	1057.00	280	0.03228	0.0000406
5484204176320	548420	4176320	8.189437	8.189437	6.237463	6.237463	FALSE	8.57276915	8.189437	FALSE	1060.70	280	0.03228	0.0000406
5484404176320	548440	4176320	8.183875	8.183875	5.876838	5.876838	FALSE	8.07712615	8.183875	FALSE	1064.77	280	0.03228	0.0000406
5484604176320	548460	4176320	8.183224	8.183224	5.787594	5.787594	FALSE	7.95446919	8.183224	FALSE	1069.19	280	0.03228	0.0000406
5484804176320	548480	4176320	8.185491	8.185491	5.88868	5.88868	FALSE	8.09340179	8.185491	FALSE	1073.96	280	0.03228	0.0000406

5485004176320	548500	4176320	8.190434	8.190434	6.155583	6.155583	FALSE	8.46023328	8.190434	FALSE	1079.09	280	0.03228	0.0000406
5485204176320	548520	4176320	8.196686	8.196686	6.537307	6.537307	FALSE	8.98487474	8.196686	FALSE	1084.55	280	0.03228	0.0000406
5485404176320	548540	4176320	8.202786	8.202786	6.977196	6.977196	FALSE	9.58945818	8.202786	FALSE	1090.36	280	0.03228	0.0000406
5485604176320	548560	4176320	8.207966	8.207966	7.293696	7.293696	FALSE	10.0244558	8.207966	FALSE	1096.51	280	0.03228	0.0000406
5485804176320	548580	4176320	8.217635	8.217635	7.998845	7.998845	FALSE	10.9936126	8.217635	FALSE	1102.98	280	0.03228	0.0000406
5486004176320	548600	4176320	8.214835	8.214835	7.713787	7.713787	FALSE	10.6018289	8.214835	FALSE	1109.77	280	0.03228	0.0000406
5486204176320	548620	4176320	8.212865	8.212865	7.542834	7.542834	FALSE	10.366871	8.212865	FALSE	1116.88	280	0.03228	0.0000406
5486404176320	548640	4176320	8.211838	8.211838	7.409508	7.409508	FALSE	10.1836278	8.211838	FALSE	1124.30	280	0.03228	0.0000406
5486604176320	548660	4176320	8.206286	8.206286	7.171846	7.171846	FALSE	9.85698514	8.206286	FALSE	1132.03	280	0.03228	0.0000406
5486804176320	548680	4176320	8.199453	8.199453	6.894748	6.894748	FALSE	9.47614165	8.199453	FALSE	1140.06	280	0.03228	0.0000406
5487004176320	548700	4176320	8.192217	8.192217	6.559755	6.559755	FALSE	9.01572727	8.192217	FALSE	1148.37	280	0.03228	0.0000406
5487204176320	548720	4176320	8.185356	8.185356	6.206057	6.206057	FALSE	8.52960474	8.185356	FALSE	1156.98	280	0.03228	0.0000406
5487404176320	548740	4176320	8.177062	8.177062	5.764436	5.764436	FALSE	7.92264084	8.177062	FALSE	1165.86	280	0.03228	0.0000406
5487604176320	548760	4176320	8.170345	8.170345	5.405043	5.405043	FALSE	7.4286911	8.170345	FALSE	1175.01	280	0.03228	0.0000406
5487804176320	548780	4176320	8.169181	8.169181	5.371013	5.371013	FALSE	7.38192027	8.169181	FALSE	1184.44	280	0.03228	0.0000406
5488004176320	548800	4176320	8.168004	8.168004	5.346314	5.346314	FALSE	7.34797396	8.168004	FALSE	1194.12	280	0.03228	0.0000406
5488204176320	548820	4176320	8.167523	8.167523	5.34187	5.34187	FALSE	7.34186613	8.167523	FALSE	1204.06	280	0.03228	0.0000406
5488404176320	548840	4176320	8.167207	8.167207	5.331189	5.331189	FALSE	7.32718616	8.167207	FALSE	1214.25	280	0.03228	0.0000406
5488604176320	548860	4176320	8.165672	8.165672	5.265322	5.265322	FALSE	7.23665856	8.165672	FALSE	1224.67	280	0.03228	0.0000406
5488804176320	548880	4176320	8.162905	8.162905	5.153766	5.153766	FALSE	7.08333599	8.162905	FALSE	1235.34	280	0.03228	0.0000406
5489004176320	548900	4176320	8.163307	8.163307	5.209324	5.209324	FALSE	7.15969491	8.163307	FALSE	1246.23	280	0.03228	0.0000406
5489204176320	548920	4176320	8.164499	8.164499	5.322013	5.322013	FALSE	7.31457467	8.164499	FALSE	1257.35	280	0.03228	0.0000406
5471804176340	547180	4176340	8.213212	8.213212	4.937633	4.937633	FALSE	6.7862828	8.213212	FALSE	1481.30	280	0.03228	0.0000406
5472004176340	547200	4176340	8.200553	8.200553	4.569365	4.569365	FALSE	6.28013526	8.200553	FALSE	1467.41	280	0.03228	0.0000406
5472204176340	547220	4176340	8.186075	8.186075	4.13496	4.13496	FALSE	5.68308902	8.186075	FALSE	1453.66	280	0.03228	0.0000406
5472404176340	547240	4176340	8.174182	8.174182	3.777387	3.777387	FALSE	5.19164069	8.174182	FALSE	1440.05	280	0.03228	0.0000406
5472604176340	547260	4176340	8.164045	8.164045	3.489625	3.489625	FALSE	4.7961406	8.164045	FALSE	1426.60	280	0.03228	0.0000406
5472804176340	547280	4176340	8.1544	8.1544	3.174369	3.174369	FALSE	4.36285275	8.1544	FALSE	1413.30	280	0.03228	0.0000406
5473004176340	547300	4176340	8.148718	8.148718	2.990851	2.990851	FALSE	4.11062561	8.148718	FALSE	1400.16	280	0.03228	0.0000406
5473204176340	547320	4176340	8.145164	8.145164	2.872535	2.872535	FALSE	3.9480121	8.145164	FALSE	1387.19	280	0.03228	0.0000406
5473404176340	547340	4176340	8.138219	8.138219	2.639031	2.639031	FALSE	3.62708421	8.138219	FALSE	1374.38	280	0.03228	0.0000406
5473604176340	547360	4176340	8.1318	8.1318	2.419387	2.419387	FALSE	3.32520549	8.1318	FALSE	1361.75	280	0.03228	0.0000406
5473804176340	547380	4176340	8.126859	8.126859	2.250711	2.250711	FALSE	3.0933772	8.126859	FALSE	1349.29	280	0.03228	0.0000406
5474004176340	547400	4176340	8.123299	8.123299	2.122365	2.122365	FALSE	2.91697846	8.123299	FALSE	1337.02	280	0.03228	0.0000406
5474204176340	547420	4176340	8.120657	8.120657	2.023111	2.023111	FALSE	2.78056376	8.120657	FALSE	1324.93	280	0.03228	0.0000406
5474404176340	547440	4176340	8.11943	8.11943	1.97461	1.97461	FALSE	2.71390398	8.11943	FALSE	1313.04	280	0.03228	0.0000406
5474604176340	547460	4176340	8.118611	8.118611	1.945605	1.945605	FALSE	2.67403951	8.118611	FALSE	1301.35	280	0.03228	0.0000406
5474804176340	547480	4176340	8.118332	8.118332	1.936893	1.936893	FALSE	2.66206574	8.118332	FALSE	1289.86	280	0.03228	0.0000406
5475004176340	547500	4176340	8.119112	8.119112	1.946165	1.946165	FALSE	2.67480918	8.119112	FALSE	1278.59	280	0.03228	0.0000406
5475204176340	547520	4176340	8.122403	8.122403	2.02071	2.02071	FALSE	2.77726382	8.122403	FALSE	1267.52	280	0.03228	0.0000406
5475404176340	547540	4176340	8.124752	8.124752	2.055085	2.055085	FALSE	2.82450882	8.124752	FALSE	1256.68	280	0.03228	0.0000406
5475604176340	547560	4176340	8.126129	8.126129	2.053602	2.053602	FALSE	2.82247059	8.126129	FALSE	1246.07	280	0.03228	0.0000406
5475804176340	547580	4176340	8.131481	8.131481	2.149632	2.149632	FALSE	2.95445422	8.131481	FALSE	1235.68	280	0.03228	0.0000406
5476004176340	547600	4176340	8.137851	8.137851	2.268773	2.268773	FALSE	3.11820161	8.137851	FALSE	1225.54	280	0.03228	0.0000406
5476204176340	547620	4176340	8.145933	8.145933	2.423984	2.423984	FALSE	3.33152361	8.145933	FALSE	1215.64	280	0.03228	0.0000406
5476404176340	547640	4176340	8.160007	8.160007	2.706597	2.706597	FALSE	3.71994692	8.160007	FALSE	1205.99	280	0.03228	0.0000406
5476604176340	547660	4176340	8.181132	8.181132	3.122778	3.122778	FALSE	4.29194608	8.181132	FALSE	1196.60	280	0.03228	0.0000406
5476804176340	547680	4176340	8.233571	8.233571	4.160288	4.160288	FALSE	5.71789983	8.233571	FALSE	1187.47	280	0.03228	0.0000406
5477004176340	547700	4176340	8.245984	8.245984	4.41708	4.41708	FALSE	6.07083475	8.245984	FALSE	1178.61	280	0.03228	0.0000406
5477204176340	547720	4176340	8.206066	8.206066	3.657876	3.657876	FALSE	5.02738477	8.206066	FALSE	1170.02	280	0.03228	0.0000406
5477404176340	547740	4176340	8.19319	8.19319	3.429664	3.429664	FALSE	4.7137302	8.19319	FALSE	1161.72	280	0.03228	0.0000406
5477604176340	547760	4176340	8.188396	8.188396	3.352539	3.352539	FALSE	4.6077296	8.188396	FALSE	1153.70	280	0.03228	0.0000406
5477804176340	547780	4176340	8.187434	8.187434	3.355664	3.355664	FALSE	4.6120246	8.187434	FALSE	1145.97	280	0.03228	0.0000406
5478004176340	547800	4176340	8.188689	8.188689	3.386458	3.386458	FALSE	4.65434788	8.188689	FALSE	1138.54	280	0.03228	0.0000406
5478204176340	547820	4176340	8.195244	8.195244	3.536085	3.536085	FALSE	4.85999522	8.195244	FALSE	1131.42	280	0.03228	0.0000406
5478404176340	547840	4176340	8.208277	8.208277	3.816398	3.816398	FALSE	5.24525741	8.208277	FALSE	1124.61	280	0.03228	0.0000406
5478604176340	547860	4176340	8.23168	8.23168	4.285173	4.285173	FALSE	5.88954177	8.23168	FALSE	1118.12	280	0.03228	0.0000406
5478804176340	547880	4176340	8.280678	8.280678	5.239173	5.239173	FALSE	7.20071937	8.280678	FALSE	1111.94	280	0.03228	0.0000406
5479004176340	547900	4176340	8.347232	8.347232	6.544526	6.544526	FALSE	8.99479653	8.347232	FALSE	1106.10	280	0.03228	0.0000406
5479204176340	547920	4176340	8.255281	8.255281	4.828036	4.828036	FALSE	6.63565268	8.255281	FALSE	1100.58	280	0.03228	0.0000406
5479404176340	547940	4176340	8.22523	8.22523	4.36075	4.36075	FALSE	5.9934148	8.22523	FALSE	1095.41	280	0.03228	0.0000406
5479604176340	547960	4176340	8.217922	8.217922	4.333501	4.333501	FALSE	5.95596377	8.217922	FALSE	1090.57	280	0.03228	0.0000406
5479804176340	547980	4176340	8.231733	8.231733	4.64239	4.64239	FALSE	6.38050082	8.231733	FALSE	1086.09	280	0.03228	0.0000406
5480004176340	548000	4176340	8.233096	8.233096	4.667052	4.667052	FALSE	6.41439627	8.233096	FALSE	1081.95	280	0.03228	0.0000406
5480204176340	548020	4176340	8.205034	8.205034	4.022939	4.022939	FALSE	5.52912736	8.205034	FALSE	1078.17	280	0.03228	0.0000406
5480404176340	548040	4176340	8.196695	8.196695	3.74044	3.74044	FALSE	5.14086074	8.196695	FALSE	1074.75	280	0.03228	0.0000406
5480604176340	548060	4176340	8.194975	8.194975	3.600223	3.600223	FALSE	4.94814649	8.194975	FALSE	1071.69	280	0.03228	0.0000406
5480804176340	548080	4176340	8.192975	8.192975	3.504226	3.504226	FALSE	4.81620821	8.192975	FALSE	1068.99	280	0.03228	0.0000406
5481004176340	548100	4176340	8.202855	8.202855	3.696197	3.696197	FALSE	5.08005316	8.202855	FALSE	1066.67	280	0.03228	0.0000406
5481204176340	548120	4176340	8.226434	8.226434	4.239596	4.239596	FALSE	5.82690074	8.226434	FALSE	1064.71	280	0.03228	0.0000406
5481404176340	548140	4176340	8.256494	8.256494	5.016291	5.016291	FALSE	6.89439035	8.256494	FALSE	1063.13	280	0.03228	0.0000406
5481604176340	548160	4176340	8.269963	8.269963	5.994512	5.994512	FALSE	8.23885729	8.269963	FALSE	1061.92	280	0.03228	0.0000406
5481804176340	548180	4176340	8.231683	8.231683	6.785799	6.785799	FALSE	9.32640215	8.231683	FALSE	1061.09	280	0.03228	0.0000406
5482004176340	548200	4176340	8.187728	8.187728	4.626884	4.626884	FALSE	6.35918937	8.187728	FALSE	1060.64	280	0.03228	0.0000406
5482204176340	548220	4176340	8.188759	8.188759	5.282404	5.282404	FALSE	7.26013606	8.188759	FALSE	1060.56	280	0.03228	0.0000406
5482404176340	548240	4176340	8.205523	8.205523	6.995411	6.995411	FALSE	9.61449288	8.205523	FALSE	1060.86	280	0.03228	0.0000406
5482604176340	548260	4176340	8.184635	8.184635	5.515809	5.515809	FALSE	7.58092789	8.184635	FALSE	1061.53	280	0.03228	0.0000406
5482804176340	548280	4176340	8.183053	8.183053	5.629454	5.629454	FALSE	7.73712158	8.183053	FALSE	1062.58	280	0.03228	0.0000406
5483004176340	548300	4176340	8.206172	8.206172	7.741366	7.741366	FALSE	10.6397334	8.206172	FALSE	1064.01	280	0.03228	0.0000406
5483204176340	548320	4176340	8.188143	8.188143	6.321371	6.321371	FALSE	8.6880923	8.188143	FALSE	1065.81	280	0.03228	0.0000406
5483404176340	548340	4176340	8.200853	8.200853	7.346319	7.346319	FALSE	10.0967808	8.200853	FALSE	1067.98	280	0.03228	0.0000406
5483604176340	548360	4176340	8.285236	8.285236	13.73822	13.73822	FALSE	18.8818054	8.285236	FALSE	1070.52	280	0.03228	0.0000406
5483804176340	548380	4176340	8.23225	8.23225	9.558399	9.558399	FALSE	13.1370636	8.23225	FALSE	1073.43	280	0.03228	0.0000406
5484004176340	548400	4176340	8.20417	8.20417	7.543588	7.543588	FALSE	10.3679073	8.20417	FALSE	1076.70	280	0.03228	0.0000406
5484204176340	548420	4176340	8.225804	8.225804	9.378915	9.378915	FALSE	12.8903808	8.225804	FALSE	1080.33	280	0.03228	0.0000406
5484404176340	548440	4176340	8.212117	8.212117	8.450919	8.450919	FALSE	11.6149431	8.212117	FALSE	1084.32	280	0.03228	0.0000406
5484604176340	548460	4176340	8.182943	8.182943	6.101557	6.101557	FALSE	8.38597994	8.182943	FALSE	1088.66	280	0.03228	0.0000406
5484804176340	548480	4176340	8.181045	8.181045	5.90072	5.90072	FALSE	8.10994957	8.181045	FALSE	1093.35	280	0.03228	0.0000406
5485004176340	548500	4176340	8.212162	8.212162	8.230897	8.230897	FALSE	11.3125448	8.212162	FALSE	1098.38	280	0.03228	0.0000406
5485204176340	548520	4176340	8.195516	8.195516	6.76989	6.76989	FALSE	9.30453682	8.195516	FALSE	1103.76	280	0.03228	0.0000406
5485404176340	548540	4176340	8.200452	8.200452	7.104058	7.104058	FALSE	9.76381732	8.200452	FALSE	1109.47	280	0.03228	0.0000406
5485604176340	548560	4176340	8.239406	8.239406	10.07472	10.07472	FALSE	13.8466979	8.239406	FALSE	1115.50	280	0.03228	0.0000406
5485804176340	548580	4176340	8.230028	8.230028	9.429347	9.429347	FALSE	12.9596945	8.230028	FALSE	1121.86	280	0.03228	0.0000406
5486004176340	548600	4176340	8.214194	8.214194	8.025898	8.025898	FALSE	11.0307942	8.214194	FALSE	1128.55	280	0.03228	0.0000406

5486204176340	548620	4176340	8.212108	8.212108	7.910616	7.910616	FALSE	10.8723506	8.212108	FALSE	1135.54	280	0.03228	0.0000406
5486404176340	548640	4176340	8.220532	8.220532	8.624256	8.624256	FALSE	11.8531774	8.220532	FALSE	1142.84	280	0.03228	0.0000406
5486604176340	548660	4176340	8.200034	8.200034	7.121266	7.121266	FALSE	9.78746799	8.200034	FALSE	1150.44	280	0.03228	0.0000406
5486804176340	548680	4176340	8.196894	8.196894	7.154385	7.154385	FALSE	9.83298674	8.196894	FALSE	1158.34	280	0.03228	0.0000406
5487004176340	548700	4176340	8.209313	8.209313	8.448488	8.448488	FALSE	11.6116019	8.209313	FALSE	1166.52	280	0.03228	0.0000406
5487204176340	548720	4176340	8.203571	8.203571	8.134188	8.134188	FALSE	11.179628	8.203571	FALSE	1175.00	280	0.03228	0.0000406
5487404176340	548740	4176340	8.177063	8.177063	6.037568	6.037568	FALSE	8.29803346	8.177063	FALSE	1183.74	280	0.03228	0.0000406
5487604176340	548760	4176340	8.188978	8.188978	7.281269	7.281269	FALSE	10.0073761	8.188978	FALSE	1192.76	280	0.03228	0.0000406
5487804176340	548780	4176340	8.191184	8.191184	7.53966	7.53966	FALSE	10.3625087	8.191184	FALSE	1202.05	280	0.03228	0.0000406
5488004176340	548800	4176340	8.187687	8.187687	7.285018	7.285018	FALSE	10.0125287	8.187687	FALSE	1211.59	280	0.03228	0.0000406
5488204176340	548820	4176340	8.189064	8.189064	7.434169	7.434169	FALSE	10.2175219	8.189064	FALSE	1221.38	280	0.03228	0.0000406
5488404176340	548840	4176340	8.187321	8.187321	7.301065	7.301065	FALSE	10.0345837	8.187321	FALSE	1231.43	280	0.03228	0.0000406
5488604176340	548860	4176340	8.18313	8.18313	7.008007	7.008007	FALSE	9.63180482	8.18313	FALSE	1241.71	280	0.03228	0.0000406
5488804176340	548880	4176340	8.180268	8.180268	6.902339	6.902339	FALSE	9.48657472	8.180268	FALSE	1252.23	280	0.03228	0.0000406
5489004176340	548900	4176340	8.181188	8.181188	6.955971	6.955971	FALSE	9.56028654	8.181188	FALSE	1262.98	280	0.03228	0.0000406
5471804176360	547180	4176360	8.204585	8.204585	4.698714	4.698714	FALSE	6.45791252	8.204585	FALSE	1495.68	280	0.03228	0.0000406
5472004176360	547200	4176360	8.19485	8.19485	4.426233	4.426233	FALSE	6.08341464	8.19485	FALSE	1481.93	280	0.03228	0.0000406
5472204176360	547220	4176360	8.181964	8.181964	4.042288	4.042288	FALSE	5.55572063	8.181964	FALSE	1468.31	280	0.03228	0.0000406
5472404176360	547240	4176360	8.170127	8.170127	3.686958	3.686958	FALSE	5.06735508	8.170127	FALSE	1454.84	280	0.03228	0.0000406
5472604176360	547260	4176360	8.158611	8.158611	3.355033	3.355033	FALSE	4.61115736	8.158611	FALSE	1441.53	280	0.03228	0.0000406
5472804176360	547280	4176360	8.150055	8.150055	3.07285	3.07285	FALSE	4.22332504	8.150055	FALSE	1428.37	280	0.03228	0.0000406
5473004176360	547300	4176360	8.143723	8.143723	2.867675	2.867675	FALSE	3.94133252	8.143723	FALSE	1415.37	280	0.03228	0.0000406
5473204176360	547320	4176360	8.138673	8.138673	2.692225	2.692225	FALSE	3.70019404	8.138673	FALSE	1402.54	280	0.03228	0.0000406
5473404176360	547340	4176360	8.133918	8.133918	2.525648	2.525648	FALSE	3.47125061	8.133918	FALSE	1389.87	280	0.03228	0.0000406
5473604176360	547360	4176360	8.129059	8.129059	2.358579	2.358579	FALSE	3.24163098	8.129059	FALSE	1377.38	280	0.03228	0.0000406
5473804176360	547380	4176360	8.125247	8.125247	2.229531	2.229531	FALSE	3.06426741	8.125247	FALSE	1365.07	280	0.03228	0.0000406
5474004176360	547400	4176360	8.122524	8.122524	2.131172	2.131172	FALSE	2.9290828	8.122524	FALSE	1352.94	280	0.03228	0.0000406
5474204176360	547420	4176360	8.121079	8.121079	2.073082	2.073082	FALSE	2.8492439	8.121079	FALSE	1341.00	280	0.03228	0.0000406
5474404176360	547440	4176360	8.121222	8.121222	2.069105	2.069105	FALSE	2.84377791	8.121222	FALSE	1329.25	280	0.03228	0.0000406
5474604176360	547460	4176360	8.119774	8.119774	2.026955	2.026955	FALSE	2.78584695	8.119774	FALSE	1317.70	280	0.03228	0.0000406
5474804176360	547480	4176360	8.118601	8.118601	1.991144	1.991144	FALSE	2.73662831	8.118601	FALSE	1306.36	280	0.03228	0.0000406
5475004176360	547500	4176360	8.119355	8.119355	1.998994	1.998994	FALSE	2.74741735	8.119355	FALSE	1295.22	280	0.03228	0.0000406
5475204176360	547520	4176360	8.123186	8.123186	2.096989	2.096989	FALSE	2.88210168	8.123186	FALSE	1284.30	280	0.03228	0.0000406
5475404176360	547540	4176360	8.12558	8.12558	2.137023	2.137023	FALSE	2.93712441	8.12558	FALSE	1273.61	280	0.03228	0.0000406
5475604176360	547560	4176360	8.126075	8.126075	2.110019	2.110019	FALSE	2.90001011	8.126075	FALSE	1263.13	280	0.03228	0.0000406
5475804176360	547580	4176360	8.133297	8.133297	2.266483	2.266483	FALSE	3.11505424	8.133297	FALSE	1252.89	280	0.03228	0.0000406
5476004176360	547600	4176360	8.142218	8.142218	2.442764	2.442764	FALSE	3.35733484	8.142218	FALSE	1242.89	280	0.03228	0.0000406
5476204176360	547620	4176360	8.153457	8.153457	2.651896	2.651896	FALSE	3.64476586	8.153457	FALSE	1233.13	280	0.03228	0.0000406
5476404176360	547640	4176360	8.17415	8.17415	3.045463	3.045463	FALSE	4.18568435	8.17415	FALSE	1223.62	280	0.03228	0.0000406
5476604176360	547660	4176360	8.201584	8.201584	3.569753	3.569753	FALSE	4.90626852	8.201584	FALSE	1214.36	280	0.03228	0.0000406
5476804176360	547680	4176360	8.204501	8.204501	3.624442	3.624442	FALSE	4.98143308	8.204501	FALSE	1205.36	280	0.03228	0.0000406
5477004176360	547700	4176360	8.231062	8.231062	4.152205	4.152205	FALSE	5.70679055	8.231062	FALSE	1196.64	280	0.03228	0.0000406
5477204176360	547720	4176360	8.205533	8.205533	3.666117	3.666117	FALSE	5.0387112	8.205533	FALSE	1188.18	280	0.03228	0.0000406
5477404176360	547740	4176360	8.196088	8.196088	3.49624	3.49624	FALSE	4.80523226	8.196088	FALSE	1180.00	280	0.03228	0.0000406
5477604176360	547760	4176360	8.191994	8.191994	3.415862	3.415862	FALSE	4.69476073	8.191994	FALSE	1172.11	280	0.03228	0.0000406
5477804176360	547780	4176360	8.192225	8.192225	3.429375	3.429375	FALSE	4.713333	8.192225	FALSE	1164.50	280	0.03228	0.0000406
5478004176360	547800	4176360	8.195959	8.195959	3.501451	3.501451	FALSE	4.81239425	8.195959	FALSE	1157.20	280	0.03228	0.0000406
5478204176360	547820	4176360	8.207737	8.207737	3.743151	3.743151	FALSE	5.14458673	8.207737	FALSE	1150.19	280	0.03228	0.0000406
5478404176360	547840	4176360	8.234411	8.234411	4.276293	4.276293	FALSE	5.8773371	8.234411	FALSE	1143.49	280	0.03228	0.0000406
5478604176360	547860	4176360	8.315273	8.315273	5.840011	5.840011	FALSE	8.02651112	8.315273	FALSE	1137.10	280	0.03228	0.0000406
5478804176360	547880	4176360	8.322125	8.322125	5.968769	5.968769	FALSE	8.20347611	8.322125	FALSE	1131.03	280	0.03228	0.0000406
5479004176360	547900	4176360	8.2509	8.2509	4.627496	4.627496	FALSE	6.3600305	8.2509	FALSE	1125.29	280	0.03228	0.0000406
5479204176360	547920	4176360	8.226124	8.226124	4.19476	4.19476	FALSE	5.76527814	8.226124	FALSE	1119.87	280	0.03228	0.0000406
5479404176360	547940	4176360	8.216695	8.216695	4.05326	4.05326	FALSE	5.57080054	8.216695	FALSE	1114.78	280	0.03228	0.0000406
5479604176360	547960	4176360	8.224428	8.224428	4.279844	4.279844	FALSE	5.88221759	8.224428	FALSE	1110.03	280	0.03228	0.0000406
5479804176360	547980	4176360	8.252208	8.252208	4.864324	4.864324	FALSE	6.68552691	8.252208	FALSE	1105.62	280	0.03228	0.0000406
5480004176360	548000	4176360	8.199656	8.199656	3.744225	3.744225	FALSE	5.14606284	8.199656	FALSE	1101.56	280	0.03228	0.0000406
5480204176360	548020	4176360	8.184613	8.184613	3.396367	3.396367	FALSE	4.6679668	8.184613	FALSE	1097.85	280	0.03228	0.0000406
5480404176360	548040	4176360	8.176929	8.176929	3.164851	3.164851	FALSE	4.34977121	8.176929	FALSE	1094.49	280	0.03228	0.0000406
5480604176360	548060	4176360	8.178342	8.178342	3.121985	3.121985	FALSE	4.29085618	8.178342	FALSE	1091.48	280	0.03228	0.0000406
5480804176360	548080	4176360	8.173034	8.173034	2.979437	2.979437	FALSE	4.09493821	8.173034	FALSE	1088.84	280	0.03228	0.0000406
5481004176360	548100	4176360	8.161652	8.161652	2.740996	2.740996	FALSE	3.7672249	8.161652	FALSE	1086.56	280	0.03228	0.0000406
5481204176360	548120	4176360	8.16717	8.16717	2.892627	2.892627	FALSE	3.97562655	8.16717	FALSE	1084.64	280	0.03228	0.0000406
5481404176360	548140	4176360	8.190752	8.190752	3.441381	3.441381	FALSE	4.72983405	8.190752	FALSE	1083.08	280	0.03228	0.0000406
5481604176360	548160	4176360	8.213007	8.213007	4.03454	4.03454	FALSE	5.54507178	8.213007	FALSE	1081.90	280	0.03228	0.0000406
5481804176360	548180	4176360	8.213028	8.213028	4.353247	4.353247	FALSE	5.98310268	8.213028	FALSE	1081.08	280	0.03228	0.0000406
5482004176360	548200	4176360	8.187016	8.187016	4.040949	4.040949	FALSE	5.55388031	8.187016	FALSE	1080.63	280	0.03228	0.0000406
5482204176360	548220	4176360	8.175408	8.175408	3.93476	3.93476	FALSE	5.40793414	8.175408	FALSE	1080.56	280	0.03228	0.0000406
5482404176360	548240	4176360	8.170226	8.170226	3.953292	3.953292	FALSE	5.43340452	8.170226	FALSE	1080.85	280	0.03228	0.0000406
5482604176360	548260	4176360	8.167785	8.167785	4.07152	4.07152	FALSE	5.59589709	8.167785	FALSE	1081.51	280	0.03228	0.0000406
5482804176360	548280	4176360	8.16583	8.16583	4.167358	4.167358	FALSE	5.72761684	8.16583	FALSE	1082.54	280	0.03228	0.0000406
5483004176360	548300	4176360	8.16476	8.16476	4.296958	4.296958	FALSE	5.90573908	8.16476	FALSE	1083.94	280	0.03228	0.0000406
5483204176360	548320	4176360	8.169452	8.169452	4.797696	4.797696	FALSE	6.59395338	8.169452	FALSE	1085.71	280	0.03228	0.0000406
5483404176360	548340	4176360	8.184469	8.184469	6.040411	6.040411	FALSE	8.30194088	8.184469	FALSE	1087.84	280	0.03228	0.0000406
5483604176360	548360	4176360	8.194645	8.194645	6.752272	6.752272	FALSE	9.28032264	8.194645	FALSE	1090.34	280	0.03228	0.0000406
5483804176360	548380	4176360	8.210064	8.210064	7.913003	7.913003	FALSE	10.8756313	8.210064	FALSE	1093.19	280	0.03228	0.0000406
5484004176360	548400	4176360	8.180923	8.180923	5.893752	5.893752	FALSE	8.10037275	8.180923	FALSE	1096.40	280	0.03228	0.0000406
5484204176360	548420	4176360	8.169418	8.169418	5.136856	5.136856	FALSE	7.06009489	8.169418	FALSE	1099.97	280	0.03228	0.0000406
5484404176360	548440	4176360	8.163714	8.163714	4.803397	4.803397	FALSE	6.60178884	8.163714	FALSE	1103.89	280	0.03228	0.0000406
5484604176360	548460	4176360	8.162293	8.162293	4.706936	4.706936	FALSE	6.46921284	8.162293	FALSE	1108.15	280	0.03228	0.0000406
5484804176360	548480	4176360	8.163198	8.163198	4.749288	4.749288	FALSE	6.52742143	8.163198	FALSE	1112.76	280	0.03228	0.0000406
5485004176360	548500	4176360	8.167471	8.167471	4.958947	4.958947	FALSE	6.81557676	8.167471	FALSE	1117.71	280	0.03228	0.0000406
5485204176360	548520	4176360	8.175027	8.175027	5.39653	5.39653	FALSE	7.41699083	8.175027	FALSE	1122.99	280	0.03228	0.0000406
5485404176360	548540	4176360	8.185644	8.185644	6.127646	6.127646	FALSE	8.42183666	8.185644	FALSE	1128.60	280	0.03228	0.0000406
5485604176360	548560	4176360	8.205429	8.205429	7.53046	7.53046	FALSE	10.3498642	8.205429	FALSE	1134.53	280	0.03228	0.0000406
5485804176360	548580	4176360	8.203239	8.203239	7.301146	7.301146	FALSE	10.0346951	8.203239	FALSE	1140.79	280	0.03228	0.0000406
5486004176360	548600	4176360	8.199551	8.199551	7.034315	7.034315	FALSE	9.66796254	8.199551	FALSE	1147.36	280	0.03228	0.0000406
5486204176360	548620	4176360	8.196723	8.196723	6.885947	6.885947	FALSE	9.46404556	8.196723	FALSE	1154.24	280	0.03228	0.0000406
5486404176360	548640	4176360	8.19314	8.19314	6.66912	6.66912	FALSE	9.16603853	8.19314	FALSE	1161.42	280	0.03228	0.0000406
5486604176360	548660	4176360	8.185849	8.185849	6.283749	6.283749	FALSE	8.63638463	8.185849	FALSE	1168.90	280	0.03228	0.0000406
5486804176360	548680	4176360	8.178374	8.178374	5.882992	5.882992	FALSE	8.0855842	8.178374	FALSE	1176.68	280	0.03228	0.0000406
5487004176360	548700	4176360	8.17394	8.17394	5.651241	5.651241	FALSE	7.76706563	8.17394	FALSE	1184.74	280	0.03228	0.0000406
5487204176360	548720	4176360	8.169317	8.169317	5.361236	5.361236	FALSE	7.36848276	8.169317	FALSE	1193.08	280	0.03228	0.0000406
5487404176360	548740	4176360	8.163165	8.163165	5.026587	5.026587	FALSE	6.90854117	8.163165	FALSE	1201.69	280	0.03228	0.0000406

5487604176360	548760	4176360	8.155894	8.155894	4.603973	4.603973	FALSE	6.32770049	8.155894	FALSE	1210.58	280	0.03228	0.0000406
5487804176360	548780	4176360	8.157225	8.157225	4.751621	4.751621	FALSE	6.5306279	8.157225	FALSE	1219.73	280	0.03228	0.0000406
5488004176360	548800	4176360	8.158956	8.158956	4.942224	4.942224	FALSE	6.79259267	8.158956	FALSE	1229.13	280	0.03228	0.0000406
5488204176360	548820	4176360	8.161941	8.161941	5.199921	5.199921	FALSE	7.14677142	8.161941	FALSE	1238.79	280	0.03228	0.0000406
5488404176360	548840	4176360	8.158845	8.158845	4.99249	4.99249	FALSE	6.86167826	8.158845	FALSE	1248.69	280	0.03228	0.0000406
5488604176360	548860	4176360	8.154355	8.154355	4.6939	4.6939	FALSE	6.45129616	8.154355	FALSE	1258.84	280	0.03228	0.0000406
5488804176360	548880	4176360	8.14777	8.14777	4.273297	4.273297	FALSE	5.8732194	8.14777	FALSE	1269.21	280	0.03228	0.0000406
5472004176380	547200	4176380	8.187723	8.187723	4.229998	4.229998	FALSE	5.81370925	8.187723	FALSE	1496.57	280	0.03228	0.0000406
5472204176380	547220	4176380	8.177147	8.177147	3.917945	3.917945	FALSE	5.38482361	8.177147	FALSE	1483.09	280	0.03228	0.0000406
5472404176380	547240	4176380	8.166996	8.166996	3.613385	3.613385	FALSE	4.96623634	8.166996	FALSE	1469.76	280	0.03228	0.0000406
5472604176380	547260	4176380	8.156327	8.156327	3.307506	3.307506	FALSE	4.54583625	8.156327	FALSE	1456.58	280	0.03228	0.0000406
5472804176380	547280	4176380	8.146396	8.146396	2.981111	2.981111	FALSE	4.09723896	8.146396	FALSE	1443.56	280	0.03228	0.0000406
5473004176380	547300	4176380	8.139223	8.139223	2.745371	2.745371	FALSE	3.7732379	8.139223	FALSE	1430.70	280	0.03228	0.0000406
5473204176380	547320	4176380	8.133742	8.133742	2.549438	2.549438	FALSE	3.50394759	8.133742	FALSE	1418.00	280	0.03228	0.0000406
5473404176380	547340	4176380	8.129346	8.129346	2.394352	2.394352	FALSE	3.29079739	8.129346	FALSE	1405.47	280	0.03228	0.0000406
5473604176380	547360	4176380	8.125036	8.125036	2.249591	2.249591	FALSE	3.09183787	8.125036	FALSE	1393.12	280	0.03228	0.0000406
5473804176380	547380	4176380	8.121692	8.121692	2.142664	2.142664	FALSE	2.9448774	8.121692	FALSE	1380.95	280	0.03228	0.0000406
5474004176380	547400	4176380	8.121085	8.121085	2.118307	2.118307	FALSE	2.91140114	8.121085	FALSE	1368.96	280	0.03228	0.0000406
5474204176380	547420	4176380	8.120382	8.120382	2.088689	2.088689	FALSE	2.87069416	8.120382	FALSE	1357.16	280	0.03228	0.0000406
5474404176380	547440	4176380	8.119526	8.119526	2.069712	2.069712	FALSE	2.84461217	8.119526	FALSE	1345.56	280	0.03228	0.0000406
5474604176380	547460	4176380	8.117169	8.117169	1.995813	1.995813	FALSE	2.74304539	8.117169	FALSE	1334.15	280	0.03228	0.0000406
5474804176380	547480	4176380	8.115661	8.115661	1.936866	1.936866	FALSE	2.66202863	8.115661	FALSE	1322.95	280	0.03228	0.0000406
5475004176380	547500	4176380	8.116115	8.116115	1.934067	1.934067	FALSE	2.65818168	8.116115	FALSE	1311.96	280	0.03228	0.0000406
5475204176380	547520	4176380	8.117709	8.117709	1.965914	1.965914	FALSE	2.7019522	8.117709	FALSE	1301.18	280	0.03228	0.0000406
5475404176380	547540	4176380	8.119801	8.119801	2.00331	2.00331	FALSE	2.75334926	8.119801	FALSE	1290.62	280	0.03228	0.0000406
5475604176380	547560	4176380	8.122725	8.122725	2.054656	2.054656	FALSE	2.82391921	8.122725	FALSE	1280.28	280	0.03228	0.0000406
5475804176380	547580	4176380	8.130998	8.130998	2.2642	2.2642	FALSE	3.11191648	8.130998	FALSE	1270.18	280	0.03228	0.0000406
5476004176380	547600	4176380	8.143152	8.143152	2.543572	2.543572	FALSE	3.49588536	8.143152	FALSE	1260.31	280	0.03228	0.0000406
5476204176380	547620	4176380	8.161432	8.161432	2.917332	2.917332	FALSE	4.0095811	8.161432	FALSE	1250.69	280	0.03228	0.0000406
5476404176380	547640	4176380	8.195376	8.195376	3.549066	3.549066	FALSE	4.87783631	8.195376	FALSE	1241.31	280	0.03228	0.0000406
5476604176380	547660	4176380	8.242754	8.242754	4.435033	4.435033	FALSE	6.09550936	8.242754	FALSE	1232.19	280	0.03228	0.0000406
5476804176380	547680	4176380	8.312665	8.312665	5.772842	5.772842	FALSE	7.93419404	8.312665	FALSE	1223.33	280	0.03228	0.0000406
5477004176380	547700	4176380	8.232305	8.232305	4.194626	4.194626	FALSE	5.76509397	8.232305	FALSE	1214.73	280	0.03228	0.0000406
5477204176380	547720	4176380	8.214947	8.214947	3.857462	3.857462	FALSE	5.30169577	8.214947	FALSE	1206.40	280	0.03228	0.0000406
5477404176380	547740	4176380	8.2073	8.2073	3.724684	3.724684	FALSE	5.11920569	8.2073	FALSE	1198.34	280	0.03228	0.0000406
5477604176380	547760	4176380	8.204774	8.204774	3.673491	3.673491	FALSE	5.04884603	8.204774	FALSE	1190.57	280	0.03228	0.0000406
5477804176380	547780	4176380	8.205915	8.205915	3.692723	3.692723	FALSE	5.07527849	8.205915	FALSE	1183.09	280	0.03228	0.0000406
5478004176380	547800	4176380	8.210555	8.210555	3.758446	3.758446	FALSE	5.16560818	8.210555	FALSE	1175.89	280	0.03228	0.0000406
5478204176380	547820	4176380	8.231314	8.231314	4.173433	4.173433	FALSE	5.73596632	8.231314	FALSE	1169.00	280	0.03228	0.0000406
5478404176380	547840	4176380	8.303291	8.303291	5.579533	5.579533	FALSE	7.66851016	8.303291	FALSE	1162.41	280	0.03228	0.0000406
5478604176380	547860	4176380	8.308807	8.308807	5.665478	5.665478	FALSE	7.78663296	8.308807	FALSE	1156.13	280	0.03228	0.0000406
5478804176380	547880	4176380	8.242239	8.242239	4.392594	4.392594	FALSE	6.03718119	8.242239	FALSE	1150.16	280	0.03228	0.0000406
5479004176380	547900	4176380	8.221319	8.221319	4.016818	4.016818	FALSE	5.52071466	8.221319	FALSE	1144.51	280	0.03228	0.0000406
5479204176380	547920	4176380	8.218341	8.218341	4.002438	4.002438	FALSE	5.50095079	8.218341	FALSE	1139.18	280	0.03228	0.0000406
5479404176380	547940	4176380	8.23047	8.23047	4.282457	4.282457	FALSE	5.8858089	8.23047	FALSE	1134.18	280	0.03228	0.0000406
5479604176380	547960	4176380	8.231889	8.231889	4.328802	4.328802	FALSE	5.94950547	8.231889	FALSE	1129.51	280	0.03228	0.0000406
5479804176380	547980	4176380	8.197211	8.197211	3.556273	3.556273	FALSE	4.88774161	8.197211	FALSE	1125.18	280	0.03228	0.0000406
5480004176380	548000	4176380	8.179884	8.179884	3.175313	3.175313	FALSE	4.36415019	8.179884	FALSE	1121.19	280	0.03228	0.0000406
5480204176380	548020	4176380	8.171232	8.171232	2.968981	2.968981	FALSE	4.08056749	8.171232	FALSE	1117.54	280	0.03228	0.0000406
5480404176380	548040	4176380	8.167211	8.167211	2.835761	2.835761	FALSE	3.89746992	8.167211	FALSE	1114.24	280	0.03228	0.0000406
5480604176380	548060	4176380	8.161497	8.161497	2.688329	2.688329	FALSE	3.69483938	8.161497	FALSE	1111.29	280	0.03228	0.0000406
5480804176380	548080	4176380	8.156641	8.156641	2.574545	2.574545	FALSE	3.53845465	8.156641	FALSE	1108.69	280	0.03228	0.0000406
5481004176380	548100	4176380	8.149472	8.149472	2.424184	2.424184	FALSE	3.33179849	8.149472	FALSE	1106.45	280	0.03228	0.0000406
5481204176380	548120	4176380	8.153238	8.153238	2.545641	2.545641	FALSE	3.49872899	8.153238	FALSE	1104.56	280	0.03228	0.0000406
5481404176380	548140	4176380	8.163405	8.163405	2.818529	2.818529	FALSE	3.87378626	8.163405	FALSE	1103.04	280	0.03228	0.0000406
5481604176380	548160	4176380	8.188609	8.188609	3.41829	3.41829	FALSE	4.69809778	8.188609	FALSE	1101.87	280	0.03228	0.0000406
5481804176380	548180	4176380	8.23928	8.23928	4.597315	4.597315	FALSE	6.31854974	8.23928	FALSE	1101.07	280	0.03228	0.0000406
5482004176380	548200	4176380	8.211818	8.211818	4.156851	4.156851	FALSE	5.71317601	8.211818	FALSE	1100.63	280	0.03228	0.0000406
5482204176380	548220	4176380	8.183606	8.183606	3.70006	3.70006	FALSE	5.08536246	8.183606	FALSE	1100.56	280	0.03228	0.0000406
5482404176380	548240	4176380	8.172251	8.172251	3.574706	3.574706	FALSE	4.91307593	8.172251	FALSE	1100.84	280	0.03228	0.0000406
5482604176380	548260	4176380	8.166771	8.166771	3.5701	3.5701	FALSE	4.90674544	8.166771	FALSE	1101.50	280	0.03228	0.0000406
5482804176380	548280	4176380	8.163727	8.163727	3.61885	3.61885	FALSE	4.97374744	8.163727	FALSE	1102.51	280	0.03228	0.0000406
5483004176380	548300	4176380	8.161504	8.161504	3.692896	3.692896	FALSE	5.07551626	8.161504	FALSE	1103.88	280	0.03228	0.0000406
5483204176380	548320	4176380	8.163699	8.163699	4.074472	4.074472	FALSE	5.59995432	8.163699	FALSE	1105.62	280	0.03228	0.0000406
5483404176380	548340	4176380	8.17495	8.17495	5.137699	5.137699	FALSE	7.06125351	8.17495	FALSE	1107.71	280	0.03228	0.0000406
5483604176380	548360	4176380	8.22062	8.22062	8.597695	8.597695	FALSE	11.816672	8.22062	FALSE	1110.16	280	0.03228	0.0000406
5483804176380	548380	4176380	8.187899	8.187899	6.271045	6.271045	FALSE	8.61892425	8.187899	FALSE	1112.96	280	0.03228	0.0000406
5484004176380	548400	4176380	8.164568	8.164568	4.715788	4.715788	FALSE	6.48137903	8.164568	FALSE	1116.12	280	0.03228	0.0000406
5484204176380	548420	4176380	8.154682	8.154682	4.102339	4.102339	FALSE	5.63825472	8.154682	FALSE	1119.62	280	0.03228	0.0000406
5484404176380	548440	4176380	8.149273	8.149273	3.80978	3.80978	FALSE	5.23616163	8.149273	FALSE	1123.47	280	0.03228	0.0000406
5484604176380	548460	4176380	8.148243	8.148243	3.75386	3.75386	FALSE	5.15930518	8.148243	FALSE	1127.66	280	0.03228	0.0000406
5484804176380	548480	4176380	8.150057	8.150057	3.849123	3.849123	FALSE	5.29023465	8.150057	FALSE	1132.19	280	0.03228	0.0000406
5485004176380	548500	4176380	8.153642	8.153642	4.021596	4.021596	FALSE	5.52728154	8.153642	FALSE	1137.05	280	0.03228	0.0000406
5485204176380	548520	4176380	8.158627	8.158627	4.287551	4.287551	FALSE	5.89281009	8.158627	FALSE	1142.25	280	0.03228	0.0000406
5485404176380	548540	4176380	8.168613	8.168613	4.924822	4.924822	FALSE	6.76867536	8.168613	FALSE	1147.76	280	0.03228	0.0000406
5485604176380	548560	4176380	8.192001	8.192001	6.574264	6.574264	FALSE	9.03566844	8.192001	FALSE	1153.60	280	0.03228	0.0000406
5485804176380	548580	4176380	8.191323	8.191323	6.419771	6.419771	FALSE	8.82333326	8.191323	FALSE	1159.75	280	0.03228	0.0000406
5486004176380	548600	4176380	8.185639	8.185639	6.005044	6.005044	FALSE	8.25333247	8.185639	FALSE	1166.21	280	0.03228	0.0000406
5486204176380	548620	4176380	8.180461	8.180461	5.711716	5.711716	FALSE	7.85018247	8.180461	FALSE	1172.98	280	0.03228	0.0000406
5486404176380	548640	4176380	8.174829	8.174829	5.397192	5.397192	FALSE	7.41790068	8.174829	FALSE	1180.05	280	0.03228	0.0000406
5486604176380	548660	4176380	8.168848	8.168848	5.05526	5.05526	FALSE	6.94794934	8.168848	FALSE	1187.42	280	0.03228	0.0000406
5486804176380	548680	4176380	8.162691	8.162691	4.726457	4.726457	FALSE	6.4960425	8.162691	FALSE	1195.07	280	0.03228	0.0000406
5487004176380	548700	4176380	8.157718	8.157718	4.441945	4.441945	FALSE	6.10500921	8.157718	FALSE	1203.01	280	0.03228	0.0000406
5487204176380	548720	4176380	8.154708	8.154708	4.271056	4.271056	FALSE	5.87013937	8.154708	FALSE	1211.22	280	0.03228	0.0000406
5487404176380	548740	4176380	8.150018	8.150018	4.030433	4.030433	FALSE	5.53942712	8.150018	FALSE	1219.71	280	0.03228	0.0000406
5487604176380	548760	4176380	8.143263	8.143263	3.624078	3.624078	FALSE	4.9809328	8.143263	FALSE	1228.46	280	0.03228	0.0000406
5487804176380	548780	4176380	8.142341	8.142341	3.583926	3.583926	FALSE	4.92574789	8.142341	FALSE	1237.48	280	0.03228	0.0000406
5488004176380	548800	4176380	8.141573	8.141573	3.580062	3.580062	FALSE	4.92043721	8.141573	FALSE	1246.75	280	0.03228	0.0000406
5488204176380	548820	4176380	8.141958	8.141958	3.641965	3.641965	FALSE	5.0055167	8.141958	FALSE	1256.27	280	0.03228	0.0000406
5488404176380	548840	4176380	8.139924	8.139924	3.523502	3.523502	FALSE	4.84270115	8.139924	FALSE	1266.04	280	0.03228	0.0000406
5488604176380	548860	4176380	8.137525	8.137525	3.39965	3.39965	FALSE	4.67247896	8.137525	FALSE	1276.04	280	0.03228	0.0000406
5472204176400	547220	4176400	8.174181	8.174181	3.85416	3.85416	FALSE	5.2971575	8.174181	FALSE	1497.99	280	0.03228	0.0000406
5472404176400	547240	4176400	8.164695	8.164695	3.568774	3.568774	FALSE	4.90492299	8.164695	FALSE	1484.79	280	0.03228	0.0000406
5472604176400	547260	4176400	8.154641	8.154641	3.28122	3.28122	FALSE	4.50970877	8.154641	FALSE	1471.75	280	0.03228	0.0000406

5472804176400	547280	4176400	8.144906	8.144906	2.960202	2.960202	FALSE	4.06850163	8.144906	FALSE	1458.86	280	0.03228	0.0000406
5473004176400	547300	4176400	8.137406	8.137406	2.709632	2.709632	FALSE	3.72411822	8.137406	FALSE	1446.14	280	0.03228	0.0000406
5473204176400	547320	4176400	8.131264	8.131264	2.488993	2.488993	FALSE	3.42087198	8.131264	FALSE	1433.58	280	0.03228	0.0000406
5473404176400	547340	4176400	8.126815	8.126815	2.3353	2.3353	FALSE	3.20963632	8.126815	FALSE	1421.19	280	0.03228	0.0000406
5473604176400	547360	4176400	8.123025	8.123025	2.213419	2.213419	FALSE	3.04212307	8.123025	FALSE	1408.98	280	0.03228	0.0000406
5473804176400	547380	4176400	8.120204	8.120204	2.127532	2.127532	FALSE	2.92407998	8.120204	FALSE	1396.94	280	0.03228	0.0000406
5474004176400	547400	4176400	8.120269	8.120269	2.128635	2.128635	FALSE	2.92559594	8.120269	FALSE	1385.09	280	0.03228	0.0000406
5474204176400	547420	4176400	8.119308	8.119308	2.103694	2.103694	FALSE	2.89131703	8.119308	FALSE	1373.43	280	0.03228	0.0000406
5474404176400	547440	4176400	8.115799	8.115799	1.996544	1.996544	FALSE	2.74405007	8.115799	FALSE	1361.96	280	0.03228	0.0000406
5474604176400	547460	4176400	8.113539	8.113539	1.910724	1.910724	FALSE	2.62609907	8.113539	FALSE	1350.70	280	0.03228	0.0000406
5474804176400	547480	4176400	8.112296	8.112296	1.847738	1.847738	FALSE	2.53953111	8.112296	FALSE	1339.63	280	0.03228	0.0000406
5475004176400	547500	4176400	8.112548	8.112548	1.834223	1.834223	FALSE	2.52095609	8.112548	FALSE	1328.78	280	0.03228	0.0000406
5475204176400	547520	4176400	8.112877	8.112877	1.81669	1.81669	FALSE	2.49685874	8.112877	FALSE	1318.14	280	0.03228	0.0000406
5475404176400	547540	4176400	8.114853	8.114853	1.847945	1.847945	FALSE	2.53981561	8.114853	FALSE	1307.71	280	0.03228	0.0000406
5475604176400	547560	4176400	8.119105	8.119105	1.948278	1.948278	FALSE	2.67771328	8.119105	FALSE	1297.52	280	0.03228	0.0000406
5475804176400	547580	4176400	8.129231	8.129231	2.249294	2.249294	FALSE	3.09142967	8.129231	FALSE	1287.55	280	0.03228	0.0000406
5476004176400	547600	4176400	8.14504	8.14504	2.676422	2.676422	FALSE	3.6784744	8.14504	FALSE	1277.82	280	0.03228	0.0000406
5476204176400	547620	4176400	8.1718	8.1718	3.263818	3.263818	FALSE	4.48579146	8.1718	FALSE	1268.32	280	0.03228	0.0000406
5476404176400	547640	4176400	8.234003	8.234003	4.450865	4.450865	FALSE	6.11726886	8.234003	FALSE	1259.08	280	0.03228	0.0000406
5476604176400	547660	4176400	8.371443	8.371443	7.054027	7.054027	FALSE	9.69505471	8.371443	FALSE	1250.09	280	0.03228	0.0000406
5476804176400	547680	4176400	8.355464	8.355464	6.684566	6.684566	FALSE	9.18726751	8.355464	FALSE	1241.35	280	0.03228	0.0000406
5477004176400	547700	4176400	8.270544	8.270544	5.000488	5.000488	FALSE	6.87267071	8.270544	FALSE	1232.87	280	0.03228	0.0000406
5477204176400	547720	4176400	8.245441	8.245441	4.494377	4.494377	FALSE	6.17707175	8.245441	FALSE	1224.67	280	0.03228	0.0000406
5477404176400	547740	4176400	8.239043	8.239043	4.371967	4.371967	FALSE	6.00883144	8.239043	FALSE	1216.74	280	0.03228	0.0000406
5477604176400	547760	4176400	8.240838	8.240838	4.388737	4.388737	FALSE	6.03188013	8.240838	FALSE	1209.08	280	0.03228	0.0000406
5477804176400	547780	4176400	8.249279	8.249279	4.533247	4.533247	FALSE	6.23049468	8.249279	FALSE	1201.71	280	0.03228	0.0000406
5478004176400	547800	4176400	8.257044	8.257044	4.646185	4.646185	FALSE	6.38571666	8.257044	FALSE	1194.63	280	0.03228	0.0000406
5478204176400	547820	4176400	8.283097	8.283097	5.149004	5.149004	FALSE	7.0767911	8.283097	FALSE	1187.85	280	0.03228	0.0000406
5478404176400	547840	4176400	8.316071	8.316071	5.780048	5.780048	FALSE	7.94409797	8.316071	FALSE	1181.36	280	0.03228	0.0000406
5478604176400	547860	4176400	8.241611	8.241611	4.34369	4.34369	FALSE	5.96996754	8.241611	FALSE	1175.18	280	0.03228	0.0000406
5478804176400	547880	4176400	8.216844	8.216844	3.883895	3.883895	FALSE	5.33802529	8.216844	FALSE	1169.31	280	0.03228	0.0000406
5479004176400	547900	4176400	8.212486	8.212486	3.82593	3.82593	FALSE	5.25835819	8.212486	FALSE	1163.75	280	0.03228	0.0000406
5479204176400	547920	4176400	8.207173	8.207173	3.728424	3.728424	FALSE	5.12434595	8.207173	FALSE	1158.51	280	0.03228	0.0000406
5479404176400	547940	4176400	8.217542	8.217542	3.953525	3.953525	FALSE	5.43372476	8.217542	FALSE	1153.59	280	0.03228	0.0000406
5479604176400	547960	4176400	8.18994	8.18994	3.368394	3.368394	FALSE	4.62952071	8.18994	FALSE	1149.01	280	0.03228	0.0000406
5479804176400	547980	4176400	8.175957	8.175957	3.017142	3.017142	FALSE	4.14675996	8.175957	FALSE	1144.75	280	0.03228	0.0000406
5480004176400	548000	4176400	8.1677	8.1677	2.829154	2.829154	FALSE	3.88838926	8.1677	FALSE	1140.82	280	0.03228	0.0000406
5480204176400	548020	4176400	8.162942	8.162942	2.709832	2.709832	FALSE	3.7243931	8.162942	FALSE	1137.24	280	0.03228	0.0000406
5480404176400	548040	4176400	8.164218	8.164218	2.69573	2.69573	FALSE	3.70501131	8.164218	FALSE	1134.00	280	0.03228	0.0000406
5480604176400	548060	4176400	8.162068	8.162068	2.635767	2.635767	FALSE	3.62259816	8.162068	FALSE	1131.10	280	0.03228	0.0000406
5480804176400	548080	4176400	8.146471	8.146471	2.311822	2.311822	FALSE	3.17736816	8.146471	FALSE	1128.54	280	0.03228	0.0000406
5481004176400	548100	4176400	8.141461	8.141461	2.208946	2.208946	FALSE	3.03597538	8.141461	FALSE	1126.34	280	0.03228	0.0000406
5481204176400	548120	4176400	8.144123	8.144123	2.300015	2.300015	FALSE	3.16114062	8.144123	FALSE	1124.49	280	0.03228	0.0000406
5481404176400	548140	4176400	8.150081	8.150081	2.47799	2.47799	FALSE	3.40574946	8.150081	FALSE	1122.99	280	0.03228	0.0000406
5481604176400	548160	4176400	8.163654	8.163654	2.826388	2.826388	FALSE	3.88458767	8.163654	FALSE	1121.85	280	0.03228	0.0000406
5481804176400	548180	4176400	8.178534	8.178534	3.257474	3.257474	FALSE	4.47707227	8.178534	FALSE	1121.06	280	0.03228	0.0000406
5482004176400	548200	4176400	8.218433	8.218433	4.108419	4.108419	FALSE	5.64661107	8.218433	FALSE	1120.63	280	0.03228	0.0000406
5482204176400	548220	4176400	8.225067	8.225067	4.298084	4.298084	FALSE	5.90728665	8.225067	FALSE	1120.56	280	0.03228	0.0000406
5482404176400	548240	4176400	8.193544	8.193544	3.745543	3.745543	FALSE	5.1478743	8.193544	FALSE	1120.84	280	0.03228	0.0000406
5482604176400	548260	4176400	8.181451	8.181451	3.578839	3.578839	FALSE	4.91875632	8.181451	FALSE	1121.48	280	0.03228	0.0000406
5482804176400	548280	4176400	8.176165	8.176165	3.545417	3.545417	FALSE	4.87282112	8.176165	FALSE	1122.47	280	0.03228	0.0000406
5483004176400	548300	4176400	8.172189	8.172189	3.538713	3.538713	FALSE	4.86360715	8.172189	FALSE	1123.82	280	0.03228	0.0000406
5483204176400	548320	4176400	8.171206	8.171206	3.784295	3.784295	FALSE	5.20113505	8.171206	FALSE	1125.53	280	0.03228	0.0000406
5483404176400	548340	4176400	8.1779	8.1779	4.690696	4.690696	FALSE	6.44689258	8.1779	FALSE	1127.58	280	0.03228	0.0000406
5483604176400	548360	4176400	8.167342	8.167342	4.267405	4.267405	FALSE	5.86512143	8.167342	FALSE	1129.99	280	0.03228	0.0000406
5483804176400	548380	4176400	8.179551	8.179551	5.493218	5.493218	FALSE	7.54987882	8.179551	FALSE	1132.75	280	0.03228	0.0000406
5484004176400	548400	4176400	8.155586	8.155586	4.007959	4.007959	FALSE	5.50853885	8.155586	FALSE	1135.85	280	0.03228	0.0000406
5484204176400	548420	4176400	8.146281	8.146281	3.497116	3.497116	FALSE	4.80643623	8.146281	FALSE	1139.29	280	0.03228	0.0000406
5484404176400	548440	4176400	8.141222	8.141222	3.266828	3.266828	FALSE	4.4899284	8.141222	FALSE	1143.07	280	0.03228	0.0000406
5484604176400	548460	4176400	8.140081	8.140081	3.223627	3.223627	FALSE	4.43055295	8.140081	FALSE	1147.19	280	0.03228	0.0000406
5484804176400	548480	4176400	8.141922	8.141922	3.329699	3.329699	FALSE	4.57633831	8.141922	FALSE	1151.64	280	0.03228	0.0000406
5485004176400	548500	4176400	8.145592	8.145592	3.503219	3.503219	FALSE	4.81482419	8.145592	FALSE	1156.42	280	0.03228	0.0000406
5485204176400	548520	4176400	8.150073	8.150073	3.732003	3.732003	FALSE	5.12926492	8.150073	FALSE	1161.53	280	0.03228	0.0000406
5485404176400	548540	4176400	8.159548	8.159548	4.283901	4.283901	FALSE	5.88779353	8.159548	FALSE	1166.95	280	0.03228	0.0000406
5485604176400	548560	4176400	8.166799	8.166799	4.708982	4.708982	FALSE	6.47202486	8.166799	FALSE	1172.69	280	0.03228	0.0000406
5485804176400	548580	4176400	8.180707	8.180707	5.680799	5.680799	FALSE	7.80769015	8.180707	FALSE	1178.75	280	0.03228	0.0000406
5486004176400	548600	4176400	8.174671	8.174671	5.262188	5.262188	FALSE	7.23235119	8.174671	FALSE	1185.11	280	0.03228	0.0000406
5486204176400	548620	4176400	8.169014	8.169014	4.950217	4.950217	FALSE	6.80357824	8.169014	FALSE	1191.77	280	0.03228	0.0000406
5486404176400	548640	4176400	8.163319	8.163319	4.632726	4.632726	FALSE	6.36721861	8.163319	FALSE	1198.73	280	0.03228	0.0000406
5486604176400	548660	4176400	8.158949	8.158949	4.379271	4.379271	FALSE	6.01887006	8.158949	FALSE	1205.98	280	0.03228	0.0000406
5486804176400	548680	4176400	8.153305	8.153305	4.082319	4.082319	FALSE	5.61073923	8.153305	FALSE	1213.51	280	0.03228	0.0000406
5487004176400	548700	4176400	8.148599	8.148599	3.821029	3.821029	FALSE	5.25162226	8.148599	FALSE	1221.33	280	0.03228	0.0000406
5487204176400	548720	4176400	8.146091	8.146091	3.674823	3.674823	FALSE	5.05067673	8.146091	FALSE	1229.42	280	0.03228	0.0000406
5487404176400	548740	4176400	8.141765	8.141765	3.4348	3.4348	FALSE	4.72078912	8.141765	FALSE	1237.79	280	0.03228	0.0000406
5487604176400	548760	4176400	8.137019	8.137019	3.171262	3.171262	FALSE	4.35858249	8.137019	FALSE	1246.41	280	0.03228	0.0000406
5487804176400	548780	4176400	8.135559	8.135559	3.095484	3.095484	FALSE	4.25443321	8.135559	FALSE	1255.30	280	0.03228	0.0000406
5488004176400	548800	4176400	8.133948	8.133948	3.034351	3.034351	FALSE	4.17041201	8.133948	FALSE	1264.44	280	0.03228	0.0000406
5488204176400	548820	4176400	8.133113	8.133113	3.014896	3.014896	FALSE	4.14367306	8.133113	FALSE	1273.83	280	0.03228	0.0000406
5488404176400	548840	4176400	8.132197	8.132197	2.972525	2.972525	FALSE	4.08543836	8.132197	FALSE	1283.46	280	0.03228	0.0000406
5472404176420	547240	4176420	8.163228	8.163228	3.548733	3.548733	FALSE	4.87737864	8.163228	FALSE	1499.95	280	0.03228	0.0000406
5472604176420	547260	4176420	8.153622	8.153622	3.274142	3.274142	FALSE	4.49998076	8.153622	FALSE	1487.03	280	0.03228	0.0000406
5472804176420	547280	4176420	8.145418	8.145418	3.002291	3.002291	FALSE	4.12634875	8.145418	FALSE	1474.28	280	0.03228	0.0000406
5473004176420	547300	4176420	8.137921	8.137921	2.752577	2.752577	FALSE	3.78314183	8.137921	FALSE	1461.69	280	0.03228	0.0000406
5473204176420	547320	4176420	8.130854	8.130854	2.499079	2.499079	FALSE	3.43473418	8.130854	FALSE	1449.27	280	0.03228	0.0000406
5473404176420	547340	4176420	8.125984	8.125984	2.333929	2.333929	FALSE	3.20775202	8.125984	FALSE	1437.01	280	0.03228	0.0000406
5473604176420	547360	4176420	8.122511	8.122511	2.226513	2.226513	FALSE	3.06011947	8.122511	FALSE	1424.93	280	0.03228	0.0000406
5473804176420	547380	4176420	8.120272	8.120272	2.16185	2.16185	FALSE	2.97124664	8.120272	FALSE	1413.04	280	0.03228	0.0000406
5474004176420	547400	4176420	8.119644	8.119644	2.149453	2.149453	FALSE	2.9542082	8.119644	FALSE	1401.32	280	0.03228	0.0000406
5474204176420	547420	4176420	8.116556	8.116556	2.056808	2.056808	FALSE	2.82687692	8.116556	FALSE	1389.80	280	0.03228	0.0000406
5474404176420	547440	4176420	8.110678	8.110678	1.838439	1.838439	FALSE	2.52675056	8.110678	FALSE	1378.47	280	0.03228	0.0000406
5474604176420	547460	4176420	8.109839	8.109839	1.797091	1.797091	FALSE	2.46992187	8.109839	FALSE	1367.33	280	0.03228	0.0000406
5474804176420	547480	4176420	8.109703	8.109703	1.780966	1.780966	FALSE	2.44775967	8.109703	FALSE	1356.41	280	0.03228	0.0000406
5475004176420	547500	4176420	8.110135	8.110135	1.77746	1.77746	FALSE	2.44294102	8.110135	FALSE	1345.69	280	0.03228	0.0000406
5475204176420	547520	4176420	8.110839	8.110839	1.776052	1.776052	FALSE	2.44100587	8.110839	FALSE	1335.18	280	0.03228	0.0000406

5475404176420	547540	4176420	8.113176	8.113176	1.82073	1.82073	FALSE	2.50241131	8.113176	FALSE	1324.89	280	0.03228	0.0000406
5475604176420	547560	4176420	8.117661	8.117661	1.926086	1.926086	FALSE	2.6472126	8.117661	FALSE	1314.83	280	0.03228	0.0000406
5475804176420	547580	4176420	8.129701	8.129701	2.294305	2.294305	FALSE	3.15329279	8.129701	FALSE	1304.99	280	0.03228	0.0000406
5476004176420	547600	4176420	8.151501	8.151501	2.956078	2.956078	FALSE	4.0628336	8.151501	FALSE	1295.39	280	0.03228	0.0000406
5476204176420	547620	4176420	8.189951	8.189951	3.863035	3.863035	FALSE	5.3093553	8.189951	FALSE	1286.03	280	0.03228	0.0000406
5476404176420	547640	4176420	8.298235	8.298235	5.938216	5.938216	FALSE	8.16148407	8.298235	FALSE	1276.91	280	0.03228	0.0000406
5476604176420	547660	4176420	8.45935	8.45935	8.934901	8.934901	FALSE	12.2801279	8.45935	FALSE	1268.04	280	0.03228	0.0000406
5476804176420	547680	4176420	8.379024	8.379024	7.299473	7.299473	FALSE	10.0323957	8.379024	FALSE	1259.43	280	0.03228	0.0000406
5477004176420	547700	4176420	8.334025	8.334025	6.358836	6.358836	FALSE	8.7395842	8.334025	FALSE	1251.08	280	0.03228	0.0000406
5477204176420	547720	4176420	8.350665	8.350665	6.624752	6.624752	FALSE	9.10505915	8.350665	FALSE	1242.99	280	0.03228	0.0000406
5477404176420	547740	4176420	8.354333	8.354333	6.666473	6.666473	FALSE	9.16240049	8.354333	FALSE	1235.18	280	0.03228	0.0000406
5477604176420	547760	4176420	8.288174	8.288174	5.338587	5.338587	FALSE	7.33735397	8.288174	FALSE	1227.64	280	0.03228	0.0000406
5477804176420	547780	4176420	8.366198	8.366198	6.806974	6.806974	FALSE	9.35550507	8.366198	FALSE	1220.38	280	0.03228	0.0000406
5478004176420	547800	4176420	8.353353	8.353353	6.518435	6.518435	FALSE	8.95893706	8.353353	FALSE	1213.41	280	0.03228	0.0000406
5478204176420	547820	4176420	8.35493	8.35493	6.519797	6.519797	FALSE	8.960809	8.35493	FALSE	1206.73	280	0.03228	0.0000406
5478404176420	547840	4176420	8.247706	8.247706	4.450239	4.450239	FALSE	6.11640848	8.247706	FALSE	1200.35	280	0.03228	0.0000406
5478604176420	547860	4176420	8.214508	8.214508	3.813295	3.813295	FALSE	5.24099265	8.214508	FALSE	1194.26	280	0.03228	0.0000406
5478804176420	547880	4176420	8.206563	8.206563	3.685492	3.685492	FALSE	5.0653402	8.206563	FALSE	1188.49	280	0.03228	0.0000406
5479004176420	547900	4176420	8.219587	8.219587	3.976506	3.976506	FALSE	5.46530985	8.219587	FALSE	1183.02	280	0.03228	0.0000406
5479204176420	547920	4176420	8.216588	8.216588	3.896349	3.896349	FALSE	5.35514207	8.216588	FALSE	1177.87	280	0.03228	0.0000406
5479404176420	547940	4176420	8.187765	8.187765	3.283822	3.283822	FALSE	4.51328496	8.187765	FALSE	1173.03	280	0.03228	0.0000406
5479604176420	547960	4176420	8.174817	8.174817	2.998523	2.998523	FALSE	4.12117001	8.174817	FALSE	1168.52	280	0.03228	0.0000406
5479804176420	547980	4176420	8.167021	8.167021	2.774009	2.774009	FALSE	3.81259797	8.167021	FALSE	1164.33	280	0.03228	0.0000406
5480004176420	548000	4176420	8.163726	8.163726	2.6946	2.6946	FALSE	3.70345824	8.163726	FALSE	1160.47	280	0.03228	0.0000406
5480204176420	548020	4176420	8.16632	8.16632	2.732187	2.732187	FALSE	3.75511781	8.16632	FALSE	1156.95	280	0.03228	0.0000406
5480404176420	548040	4176420	8.175389	8.175389	2.879424	2.879424	FALSE	3.95748035	8.175389	FALSE	1153.76	280	0.03228	0.0000406
5480604176420	548060	4176420	8.146734	8.146734	2.282871	2.282871	FALSE	3.1375779	8.146734	FALSE	1150.91	280	0.03228	0.0000406
5480804176420	548080	4176420	8.138483	8.138483	2.110128	2.110128	FALSE	2.90015992	8.138483	FALSE	1148.41	280	0.03228	0.0000406
5481004176420	548100	4176420	8.135527	8.135527	2.051426	2.051426	FALSE	2.81947989	8.135527	FALSE	1146.24	280	0.03228	0.0000406
5481204176420	548120	4176420	8.137488	8.137488	2.11665	2.11665	FALSE	2.90912376	8.137488	FALSE	1144.42	280	0.03228	0.0000406
5481404176420	548140	4176420	8.141816	8.141816	2.246151	2.246151	FALSE	3.08710993	8.141816	FALSE	1142.95	280	0.03228	0.0000406
5481604176420	548160	4176420	8.150333	8.150333	2.482499	2.482499	FALSE	3.41194663	8.150333	FALSE	1141.83	280	0.03228	0.0000406
5481804176420	548180	4176420	8.158264	8.158264	2.764539	2.764539	FALSE	3.7995824	8.158264	FALSE	1141.05	280	0.03228	0.0000406
5482004176420	548200	4176420	8.172639	8.172639	3.090057	3.090057	FALSE	4.24697434	8.172639	FALSE	1140.63	280	0.03228	0.0000406
5482204176420	548220	4176420	8.207549	8.207549	3.805653	3.805653	FALSE	5.23048948	8.207549	FALSE	1140.56	280	0.03228	0.0000406
5482404176420	548240	4176420	8.301342	8.301342	5.651626	5.651626	FALSE	7.76759477	8.301342	FALSE	1140.83	280	0.03228	0.0000406
5482604176420	548260	4176420	8.218319	8.218319	4.059112	4.059112	FALSE	5.57884353	8.218319	FALSE	1141.46	280	0.03228	0.0000406
5482804176420	548280	4176420	8.199242	8.199242	3.730038	3.730038	FALSE	5.12656423	8.199242	FALSE	1142.44	280	0.03228	0.0000406
5483004176420	548300	4176420	8.242976	8.242976	4.523473	4.523473	FALSE	6.21706129	8.242976	FALSE	1143.77	280	0.03228	0.0000406
5483204176420	548320	4176420	8.191269	8.191269	3.682106	3.682106	FALSE	5.06068649	8.191269	FALSE	1145.44	280	0.03228	0.0000406
5483404176420	548340	4176420	8.183682	8.183682	3.850868	3.850868	FALSE	5.29263298	8.183682	FALSE	1147.46	280	0.03228	0.0000406
5483604176420	548360	4176420	8.190612	8.190612	3.551626	3.551626	FALSE	4.88135477	8.190612	FALSE	1149.83	280	0.03228	0.0000406
5483804176420	548380	4176420	8.168109	8.168109	4.243677	4.243677	FALSE	5.83250967	8.168109	FALSE	1152.53	280	0.03228	0.0000406
5484004176420	548400	4176420	8.147593	8.147593	3.320233	3.320233	FALSE	4.56332824	8.147593	FALSE	1155.58	280	0.03228	0.0000406
5484204176420	548420	4176420	8.139694	8.139694	2.992813	2.992813	FALSE	4.11332219	8.139694	FALSE	1158.97	280	0.03228	0.0000406
5484404176420	548440	4176420	8.135404	8.135404	2.851602	2.851602	FALSE	3.91924179	8.135404	FALSE	1162.68	280	0.03228	0.0000406
5484604176420	548460	4176420	8.13446	8.13446	2.85411	2.85411	FALSE	3.92268878	8.13446	FALSE	1166.73	280	0.03228	0.0000406
5484804176420	548480	4176420	8.135961	8.135961	2.95433	2.95433	FALSE	4.06043115	8.135961	FALSE	1171.11	280	0.03228	0.0000406
5485004176420	548500	4176420	8.139971	8.139971	3.142413	3.142413	FALSE	4.31893243	8.139971	FALSE	1175.81	280	0.03228	0.0000406
5485204176420	548520	4176420	8.145255	8.145255	3.390373	3.390373	FALSE	4.65972865	8.145255	FALSE	1180.83	280	0.03228	0.0000406
5485404176420	548540	4176420	8.154335	8.154335	3.824112	3.824112	FALSE	5.25585953	8.154335	FALSE	1186.17	280	0.03228	0.0000406
5485604176420	548560	4176420	8.161201	8.161201	4.148851	4.148851	FALSE	5.70218081	8.161201	FALSE	1191.82	280	0.03228	0.0000406
5485804176420	548580	4176420	8.16952	8.16952	4.820866	4.820866	FALSE	6.62579823	8.16952	FALSE	1197.78	280	0.03228	0.0000406
5486004176420	548600	4176420	8.164903	8.164903	4.575804	4.575804	FALSE	6.28898502	8.164903	FALSE	1204.04	280	0.03228	0.0000406
5486204176420	548620	4176420	8.159862	8.159862	4.327316	4.327316	FALSE	5.94746311	8.159862	FALSE	1210.59	280	0.03228	0.0000406
5486404176420	548640	4176420	8.15575	8.15575	4.110389	4.110389	FALSE	5.64931864	8.15575	FALSE	1217.44	280	0.03228	0.0000406
5486604176420	548660	4176420	8.152172	8.152172	3.905089	3.905089	FALSE	5.36715432	8.152172	FALSE	1224.58	280	0.03228	0.0000406
5486804176420	548680	4176420	8.147005	8.147005	3.646363	3.646363	FALSE	5.01156131	8.147005	FALSE	1232.00	280	0.03228	0.0000406
5487004176420	548700	4176420	8.142005	8.142005	3.368659	3.368659	FALSE	4.62988493	8.142005	FALSE	1239.70	280	0.03228	0.0000406
5487204176420	548720	4176420	8.139724	8.139724	3.231707	3.231707	FALSE	4.4416581	8.139724	FALSE	1247.68	280	0.03228	0.0000406
5487404176420	548740	4176420	8.136338	8.136338	3.052907	3.052907	FALSE	4.19591538	8.136338	FALSE	1255.92	280	0.03228	0.0000406
5487604176420	548760	4176420	8.133018	8.133018	2.878566	2.878566	FALSE	3.95630111	8.133018	FALSE	1264.42	280	0.03228	0.0000406
5487804176420	548780	4176420	8.131408	8.131408	2.794768	2.794768	FALSE	3.84112914	8.131408	FALSE	1273.19	280	0.03228	0.0000406
5488004176420	548800	4176420	8.129651	8.129651	2.722267	2.722267	FALSE	3.74148376	8.129651	FALSE	1282.20	280	0.03228	0.0000406
5488204176420	548820	4176420	8.128614	8.128614	2.684774	2.684774	FALSE	3.68995339	8.128614	FALSE	1291.46	280	0.03228	0.0000406
5472604176440	547260	4176440	8.150804	8.150804	3.206769	3.206769	FALSE	4.40738331	8.150804	FALSE	1502.43	280	0.03228	0.0000406
5472804176440	547280	4176440	8.142392	8.142392	2.92387	2.92387	FALSE	4.01856693	8.142392	FALSE	1489.81	280	0.03228	0.0000406
5473004176440	547300	4176440	8.136893	8.136893	2.735777	2.735777	FALSE	3.76005191	8.136893	FALSE	1477.35	280	0.03228	0.0000406
5473204176440	547320	4176440	8.132804	8.132804	2.588872	2.588872	FALSE	3.55814568	8.132804	FALSE	1465.06	280	0.03228	0.0000406
5473404176440	547340	4176440	8.127434	8.127434	2.409079	2.409079	FALSE	3.31103818	8.127434	FALSE	1452.94	280	0.03228	0.0000406
5473604176440	547360	4176440	8.124041	8.124041	2.307655	2.307655	FALSE	3.17164103	8.124041	FALSE	1440.99	280	0.03228	0.0000406
5473804176440	547380	4176440	8.122094	8.122094	2.254774	2.254774	FALSE	3.09896139	8.122094	FALSE	1429.23	280	0.03228	0.0000406
5474004176440	547400	4176440	8.122123	8.122123	2.266346	2.266346	FALSE	3.11486594	8.122123	FALSE	1417.65	280	0.03228	0.0000406
5474204176440	547420	4176440	8.119561	8.119561	2.197028	2.197028	FALSE	3.01959528	8.119561	FALSE	1406.26	280	0.03228	0.0000406
5474404176440	547440	4176440	8.112566	8.112566	1.936999	1.936999	FALSE	2.66221143	8.112566	FALSE	1395.06	280	0.03228	0.0000406
5474604176440	547460	4176440	8.11076	8.11076	1.859874	1.859874	FALSE	2.55621083	8.11076	FALSE	1384.06	280	0.03228	0.0000406
5474804176440	547480	4176440	8.110316	8.110316	1.835331	1.835331	FALSE	2.52247893	8.110316	FALSE	1373.27	280	0.03228	0.0000406
5475004176440	547500	4176440	8.111135	8.111135	1.85419	1.85419	FALSE	2.54839874	8.111135	FALSE	1362.68	280	0.03228	0.0000406
5475204176440	547520	4176440	8.113555	8.113555	1.930345	1.930345	FALSE	2.65306617	8.113555	FALSE	1352.30	280	0.03228	0.0000406
5475404176440	547540	4176440	8.11757	8.11757	2.052591	2.052591	FALSE	2.82108107	8.11757	FALSE	1342.15	280	0.03228	0.0000406
5475604176440	547560	4176440	8.123975	8.123975	2.240362	2.240362	FALSE	3.07915353	8.123975	FALSE	1332.21	280	0.03228	0.0000406
5475804176440	547580	4176440	8.140279	8.140279	2.770862	2.770862	FALSE	3.80827273	8.140279	FALSE	1322.51	280	0.03228	0.0000406
5476004176440	547600	4176440	8.17334	8.17334	3.827426	3.827426	FALSE	5.26041429	8.17334	FALSE	1313.03	280	0.03228	0.0000406
5476204176440	547620	4176440	8.244894	8.244894	5.501589	5.501589	FALSE	7.56138392	8.244894	FALSE	1303.80	280	0.03228	0.0000406
5476404176440	547640	4176440	8.421198	8.421198	8.720754	8.720754	FALSE	11.9858043	8.421198	FALSE	1294.81	280	0.03228	0.0000406
5476604176440	547660	4176440	8.359927	8.359927	7.309579	7.309579	FALSE	10.0462854	8.359927	FALSE	1286.06	280	0.03228	0.0000406
5476804176440	547680	4176440	8.284639	8.284639	5.698163	5.698163	FALSE	7.83155523	8.284639	FALSE	1277.57	280	0.03228	0.0000406
5477004176440	547700	4176440	8.273272	8.273272	5.35082	5.35082	FALSE	7.35416701	8.273272	FALSE	1269.34	280	0.03228	0.0000406
5477204176440	547720	4176440	8.2805	8.2805	5.396111	5.396111	FALSE	7.41641496	8.2805	FALSE	1261.37	280	0.03228	0.0000406
5477404176440	547740	4176440	8.278246	8.278246	5.285862	5.285862	FALSE	7.26488873	8.278246	FALSE	1253.67	280	0.03228	0.0000406
5477604176440	547760	4176440	8.253347	8.253347	4.733371	4.733371	FALSE	6.5055451	8.253347	FALSE	1246.24	280	0.03228	0.0000406
5477804176440	547780	4176440	8.226243	8.226243	4.154192	4.154192	FALSE	5.70952148	8.226243	FALSE	1239.10	280	0.03228	0.0000406
5478004176440	547800	4176440	8.204601	8.204601	3.679249	3.679249	FALSE	5.05675983	8.204601	FALSE	1232.23	280	0.03228	0.0000406
5478204176440	547820	4176440	8.200469	8.200469	3.571367	3.571367	FALSE	4.9084868	8.200469	FALSE	1225.65	280	0.03228	0.0000406

5478404176440	547840	4176440	8.199651	8.199651	3.544738	3.544738	FALSE	4.87188791	8.199651	FALSE	1219.37	280	0.03228	0.0000406
5478604176440	547860	4176440	8.196139	8.196139	3.468049	3.468049	FALSE	4.76648655	8.196139	FALSE	1213.38	280	0.03228	0.0000406
5478804176440	547880	4176440	8.199144	8.199144	3.532937	3.532937	FALSE	4.85566861	8.199144	FALSE	1207.69	280	0.03228	0.0000406
5479004176440	547900	4176440	8.196921	8.196921	3.478387	3.478387	FALSE	4.78069509	8.196921	FALSE	1202.31	280	0.03228	0.0000406
5479204176440	547920	4176440	8.193485	8.193485	3.391895	3.391895	FALSE	4.66182049	8.193485	FALSE	1197.24	280	0.03228	0.0000406
5479404176440	547940	4176440	8.178505	8.178505	3.051947	3.051947	FALSE	4.19459596	8.178505	FALSE	1192.49	280	0.03228	0.0000406
5479604176440	547960	4176440	8.179469	8.179469	3.048804	3.048804	FALSE	4.19027622	8.179469	FALSE	1188.05	280	0.03228	0.0000406
5479804176440	547980	4176440	8.170669	8.170669	2.815811	2.815811	FALSE	3.87005064	8.170669	FALSE	1183.93	280	0.03228	0.0000406
5480004176440	548000	4176440	8.182802	8.182802	3.04875	3.04875	FALSE	4.190202	8.182802	FALSE	1180.14	280	0.03228	0.0000406
5480204176440	548020	4176440	8.161892	8.161892	2.610482	2.610482	FALSE	3.58784646	8.161892	FALSE	1176.67	280	0.03228	0.0000406
5480404176440	548040	4176440	8.145595	8.145595	2.251102	2.251102	FALSE	3.09391459	8.145595	FALSE	1173.54	280	0.03228	0.0000406
5480604176440	548060	4176440	8.137593	8.137593	2.074245	2.074245	FALSE	2.85084233	8.137593	FALSE	1170.74	280	0.03228	0.0000406
5480804176440	548080	4176440	8.132813	8.132813	1.969997	1.969997	FALSE	2.70756388	8.132813	FALSE	1168.27	280	0.03228	0.0000406
5481004176440	548100	4176440	8.130861	8.130861	1.928766	1.928766	FALSE	2.65089599	8.130861	FALSE	1166.14	280	0.03228	0.0000406
5481204176440	548120	4176440	8.131523	8.131523	1.951335	1.951335	FALSE	2.68191482	8.131523	FALSE	1164.36	280	0.03228	0.0000406
5481404176440	548140	4176440	8.134146	8.134146	2.026268	2.026268	FALSE	2.78490274	8.134146	FALSE	1162.91	280	0.03228	0.0000406
5481604176440	548160	4176440	8.139748	8.139748	2.178382	2.178382	FALSE	2.99396822	8.139748	FALSE	1161.80	280	0.03228	0.0000406
5481804176440	548180	4176440	8.142508	8.142508	2.334358	2.334358	FALSE	3.20834164	8.142508	FALSE	1161.04	280	0.03228	0.0000406
5482004176440	548200	4176440	8.147105	8.147105	2.450211	2.450211	FALSE	3.36757	8.147105	FALSE	1160.63	280	0.03228	0.0000406
5482204176440	548220	4176440	8.157657	8.157657	2.673455	2.673455	FALSE	3.67439655	8.157657	FALSE	1160.56	280	0.03228	0.0000406
5482404176440	548240	4176440	8.189255	8.189255	3.291633	3.291633	FALSE	4.5240204	8.189255	FALSE	1160.83	280	0.03228	0.0000406
5482604176440	548260	4176440	8.172639	8.172639	2.987795	2.987795	FALSE	4.10642545	8.172639	FALSE	1161.45	280	0.03228	0.0000406
5482804176440	548280	4176440	8.162412	8.162412	2.786646	2.786646	FALSE	3.82996626	8.162412	FALSE	1162.41	280	0.03228	0.0000406
5483004176440	548300	4176440	8.152565	8.152565	2.556659	2.556659	FALSE	3.51387213	8.152565	FALSE	1163.71	280	0.03228	0.0000406
5483204176440	548320	4176440	8.146313	8.146313	2.442706	2.442706	FALSE	3.35725513	8.146313	FALSE	1165.36	280	0.03228	0.0000406
5483404176440	548340	4176440	8.14177	8.14177	2.373097	2.373097	FALSE	3.26158452	8.14177	FALSE	1167.34	280	0.03228	0.0000406
5483604176440	548360	4176440	8.14118	8.14118	2.407135	2.407135	FALSE	3.30836634	8.14118	FALSE	1169.67	280	0.03228	0.0000406
5483804176440	548380	4176440	8.140126	8.140126	2.543204	2.543204	FALSE	3.49537958	8.140126	FALSE	1172.33	280	0.03228	0.0000406
5484004176440	548400	4176440	8.135917	8.135917	2.532853	2.532853	FALSE	3.48115316	8.135917	FALSE	1175.33	280	0.03228	0.0000406
5484204176440	548420	4176440	8.134054	8.134054	2.583386	2.583386	FALSE	3.55060572	8.134054	FALSE	1178.65	280	0.03228	0.0000406
5484404176440	548440	4176440	8.131324	8.131324	2.557765	2.557765	FALSE	3.51539222	8.131324	FALSE	1182.31	280	0.03228	0.0000406
5484604176440	548460	4176440	8.130127	8.130127	2.559532	2.559532	FALSE	3.51782078	8.130127	FALSE	1186.29	280	0.03228	0.0000406
5484804176440	548480	4176440	8.131589	8.131589	2.67608	2.67608	FALSE	3.67800435	8.131589	FALSE	1190.60	280	0.03228	0.0000406
5485004176440	548500	4176440	8.135434	8.135434	2.863601	2.863601	FALSE	3.93573321	8.135434	FALSE	1195.22	280	0.03228	0.0000406
5485204176440	548520	4176440	8.140287	8.140287	3.079402	3.079402	FALSE	4.23233011	8.140287	FALSE	1200.16	280	0.03228	0.0000406
5485404176440	548540	4176440	8.148573	8.148573	3.398814	3.398814	FALSE	4.67132996	8.148573	FALSE	1205.41	280	0.03228	0.0000406
5485604176440	548560	4176440	8.153178	8.153178	3.721424	3.721424	FALSE	5.11472515	8.153178	FALSE	1210.97	280	0.03228	0.0000406
5485804176440	548580	4176440	8.16354	8.16354	4.110702	4.110702	FALSE	5.64974883	8.16354	FALSE	1216.84	280	0.03228	0.0000406
5486004176440	548600	4176440	8.156614	8.156614	3.932464	3.932464	FALSE	5.40477852	8.156614	FALSE	1223.00	280	0.03228	0.0000406
5486204176440	548620	4176440	8.151725	8.151725	3.748938	3.748938	FALSE	5.15254039	8.151725	FALSE	1229.45	280	0.03228	0.0000406
5486404176440	548640	4176440	8.148851	8.148851	3.62894	3.62894	FALSE	4.98761514	8.148851	FALSE	1236.20	280	0.03228	0.0000406
5486604176440	548660	4176440	8.145857	8.145857	3.476018	3.476018	FALSE	4.77743914	8.145857	FALSE	1243.23	280	0.03228	0.0000406
5486804176440	548680	4176440	8.14131	8.14131	3.26022	3.26022	FALSE	4.48084637	8.14131	FALSE	1250.54	280	0.03228	0.0000406
5487004176440	548700	4176440	8.137245	8.137245	3.040785	3.040785	FALSE	4.1792549	8.137245	FALSE	1258.13	280	0.03228	0.0000406
5487204176440	548720	4176440	8.135488	8.135488	2.937936	2.937936	FALSE	4.03789924	8.135488	FALSE	1265.99	280	0.03228	0.0000406
5487404176440	548740	4176440	8.13295	8.13295	2.80902	2.80902	FALSE	3.86071709	8.13295	FALSE	1274.11	280	0.03228	0.0000406
5487604176440	548760	4176440	8.130801	8.130801	2.696433	2.696433	FALSE	3.70597752	8.130801	FALSE	1282.49	280	0.03228	0.0000406
5487804176440	548780	4176440	8.129281	8.129281	2.610661	2.610661	FALSE	3.58809248	8.129281	FALSE	1291.13	280	0.03228	0.0000406
5488004176440	548800	4176440	8.127897	8.127897	2.544331	2.544331	FALSE	3.49692853	8.127897	FALSE	1300.02	280	0.03228	0.0000406
5472804176460	547280	4176460	8.141832	8.141832	2.929081	2.929081	FALSE	4.02572893	8.141832	FALSE	1505.44	280	0.03228	0.0000406
5473004176460	547300	4176460	8.137827	8.137827	2.791554	2.791554	FALSE	3.83671182	8.137827	FALSE	1493.11	280	0.03228	0.0000406
5473204176460	547320	4176460	8.135843	8.135843	2.720931	2.720931	FALSE	3.73964757	8.135843	FALSE	1480.95	280	0.03228	0.0000406
5473404176460	547340	4176460	8.13034	8.13034	2.539016	2.539016	FALSE	3.48962359	8.13034	FALSE	1468.96	280	0.03228	0.0000406
5473604176460	547360	4176460	8.127238	8.127238	2.450743	2.450743	FALSE	3.36830118	8.127238	FALSE	1457.15	280	0.03228	0.0000406
5473804176460	547380	4176460	8.125639	8.125639	2.412518	2.412518	FALSE	3.31576474	8.125639	FALSE	1445.51	280	0.03228	0.0000406
5474004176460	547400	4176460	8.125952	8.125952	2.434805	2.434805	FALSE	3.34639599	8.125952	FALSE	1434.07	280	0.03228	0.0000406
5474204176460	547420	4176460	8.124367	8.124367	2.405665	2.405665	FALSE	3.30634598	8.124367	FALSE	1422.81	280	0.03228	0.0000406
5474404176460	547440	4176460	8.118218	8.118218	2.186318	2.186318	FALSE	3.00487546	8.118218	FALSE	1411.74	280	0.03228	0.0000406
5474604176460	547460	4176460	8.115204	8.115204	2.061587	2.061587	FALSE	2.83344517	8.115204	FALSE	1400.87	280	0.03228	0.0000406
5474804176460	547480	4176460	8.114031	8.114031	2.011706	2.011706	FALSE	2.76488873	8.114031	FALSE	1390.21	280	0.03228	0.0000406
5475004176460	547500	4176460	8.114733	8.114733	2.033763	2.033763	FALSE	2.79520387	8.114733	FALSE	1379.75	280	0.03228	0.0000406
5475204176460	547520	4176460	8.118627	8.118627	2.184839	2.184839	FALSE	3.00284272	8.118627	FALSE	1369.51	280	0.03228	0.0000406
5475404176460	547540	4176460	8.125477	8.125477	2.449099	2.449099	FALSE	3.36604167	8.125477	FALSE	1359.48	280	0.03228	0.0000406
5475604176460	547560	4176460	8.137625	8.137625	2.91962	2.91962	FALSE	4.01272573	8.137625	FALSE	1349.67	280	0.03228	0.0000406
5475804176460	547580	4176460	8.160834	8.160834	3.817	3.817	FALSE	5.2460848	8.160834	FALSE	1340.09	280	0.03228	0.0000406
5476004176460	547600	4176460	8.218383	8.218383	5.980719	5.980719	FALSE	8.21990019	8.218383	FALSE	1330.74	280	0.03228	0.0000406
5476204176460	547620	4176460	8.36291	8.36291	9.373098	9.373098	FALSE	12.8823859	8.36291	FALSE	1321.63	280	0.03228	0.0000406
5476404176460	547640	4176460	8.442414	8.442414	10.1385	10.1385	FALSE	13.9343585	8.442414	FALSE	1312.76	280	0.03228	0.0000406
5476604176460	547660	4176460	8.316776	8.316776	7.050273	7.050273	FALSE	9.68989521	8.316776	FALSE	1304.14	280	0.03228	0.0000406
5476804176460	547680	4176460	8.263081	8.263081	5.636088	5.636088	FALSE	7.74623935	8.263081	FALSE	1295.77	280	0.03228	0.0000406
5477004176460	547700	4176460	8.239604	8.239604	4.935613	4.935613	FALSE	6.78350651	8.239604	FALSE	1287.65	280	0.03228	0.0000406
5477204176460	547720	4176460	8.22792	8.22792	4.545286	4.545286	FALSE	6.24704108	8.22792	FALSE	1279.80	280	0.03228	0.0000406
5477404176460	547740	4176460	8.220357	8.220357	4.288668	4.288668	FALSE	5.8943453	8.220357	FALSE	1272.21	280	0.03228	0.0000406
5477604176460	547760	4176460	8.208376	8.208376	3.961418	3.961418	FALSE	5.4445729	8.208376	FALSE	1264.89	280	0.03228	0.0000406
5477804176460	547780	4176460	8.197558	8.197558	3.682471	3.682471	FALSE	5.06118814	8.197558	FALSE	1257.85	280	0.03228	0.0000406
5478004176460	547800	4176460	8.186494	8.186494	3.404439	3.404439	FALSE	4.67906096	8.186494	FALSE	1251.08	280	0.03228	0.0000406
5478204176460	547820	4176460	8.18273	8.18273	3.288357	3.288357	FALSE	4.51951786	8.18273	FALSE	1244.61	280	0.03228	0.0000406
5478404176460	547840	4176460	8.183675	8.183675	3.281899	3.281899	FALSE	4.51064199	8.183675	FALSE	1238.42	280	0.03228	0.0000406
5478604176460	547860	4176460	8.188954	8.188954	3.362803	3.362803	FALSE	4.62183644	8.188954	FALSE	1232.52	280	0.03228	0.0000406
5478804176460	547880	4176460	8.204611	8.204611	3.672144	3.672144	FALSE	5.04699471	8.204611	FALSE	1226.93	280	0.03228	0.0000406
5479004176460	547900	4176460	8.220628	8.220628	3.984397	3.984397	FALSE	5.47615524	8.220628	FALSE	1221.63	280	0.03228	0.0000406
5479204176460	547920	4176460	8.199215	8.199215	3.504711	3.504711	FALSE	4.8168748	8.199215	FALSE	1216.64	280	0.03228	0.0000406
5479404176460	547940	4176460	8.184478	8.184478	3.169054	3.169054	FALSE	4.35554782	8.184478	FALSE	1211.96	280	0.03228	0.0000406
5479604176460	547960	4176460	8.163247	8.163247	2.711923	2.711923	FALSE	3.72726697	8.163247	FALSE	1207.59	280	0.03228	0.0000406
5479804176460	547980	4176460	8.154188	8.154188	2.476006	2.476006	FALSE	3.40302265	8.154188	FALSE	1203.54	280	0.03228	0.0000406
5480004176460	548000	4176460	8.146661	8.146661	2.306248	2.306248	FALSE	3.16970725	8.146661	FALSE	1199.81	280	0.03228	0.0000406
5480204176460	548020	4176460	8.140872	8.140872	2.174438	2.174438	FALSE	2.98854759	8.140872	FALSE	1196.40	280	0.03228	0.0000406
5480404176460	548040	4176460	8.135272	8.135272	2.032787	2.032787	FALSE	2.79386245	8.135272	FALSE	1193.32	280	0.03228	0.0000406
5480604176460	548060	4176460	8.131551	8.131551	1.944018	1.944018	FALSE	2.67185834	8.131551	FALSE	1190.56	280	0.03228	0.0000406
5480804176460	548080	4176460	8.128607	8.128607	1.875442	1.875442	FALSE	2.57760748	8.128607	FALSE	1188.14	280	0.03228	0.0000406
5481004176460	548100	4176460	8.127335	8.127335	1.844139	1.844139	FALSE	2.53458464	8.127335	FALSE	1186.05	280	0.03228	0.0000406
5481204176460	548120	4176460	8.127751	8.127751	1.852201	1.852201	FALSE	2.54566505	8.127751	FALSE	1184.29	280	0.03228	0.0000406
5481404176460	548140	4176460	8.129496	8.129496	1.896252	1.896252	FALSE	2.60620875	8.129496	FALSE	1182.87	280	0.03228	0.0000406
5481604176460	548160	4176460	8.132888	8.132888	1.982044	1.982044	FALSE	2.72412127	8.132888	FALSE	1181.78	280	0.03228	0.0000406

5481804176460	548180	4176460	8.13403	8.13403	2.084806	2.084806	FALSE	2.86535737	8.13403	FALSE	1181.04	280	0.03228	0.0000406
5482004176460	548200	4176460	8.135694	8.135694	2.13168	2.13168	FALSE	2.92978099	8.135694	FALSE	1180.63	280	0.03228	0.0000406
5482204176460	548220	4176460	8.139847	8.139847	2.227323	2.227323	FALSE	3.06123273	8.139847	FALSE	1180.56	280	0.03228	0.0000406
5482404176460	548240	4176460	8.143675	8.143675	2.304464	2.304464	FALSE	3.16725532	8.143675	FALSE	1180.82	280	0.03228	0.0000406
5482604176460	548260	4176460	8.142791	8.142791	2.287278	2.287278	FALSE	3.14363488	8.142791	FALSE	1181.43	280	0.03228	0.0000406
5482804176460	548280	4176460	8.13771	8.13771	2.177231	2.177231	FALSE	2.99238629	8.13771	FALSE	1182.38	280	0.03228	0.0000406
5483004176460	548300	4176460	8.131312	8.131312	2.014507	2.014507	FALSE	2.76873842	8.131312	FALSE	1183.66	280	0.03228	0.0000406
5483204176460	548320	4176460	8.126987	8.126987	1.922071	1.922071	FALSE	2.64169438	8.126987	FALSE	1185.28	280	0.03228	0.0000406
5483404176460	548340	4176460	8.123536	8.123536	1.845308	1.845308	FALSE	2.53619132	8.123536	FALSE	1187.23	280	0.03228	0.0000406
5483604176460	548360	4176460	8.12392	8.12392	1.876396	1.876396	FALSE	2.57891866	8.12392	FALSE	1189.51	280	0.03228	0.0000406
5483804176460	548380	4176460	8.125605	8.125605	1.980249	1.980249	FALSE	2.72165423	8.125605	FALSE	1192.13	280	0.03228	0.0000406
5484004176460	548400	4176460	8.125962	8.125962	2.038513	2.038513	FALSE	2.80173227	8.125962	FALSE	1195.08	280	0.03228	0.0000406
5484204176460	548420	4176460	8.128899	8.128899	2.238655	2.238655	FALSE	3.07680743	8.128899	FALSE	1198.35	280	0.03228	0.0000406
5484404176460	548440	4176460	8.128	8.128	2.30902	2.30902	FALSE	3.17351709	8.128	FALSE	1201.95	280	0.03228	0.0000406
5484604176460	548460	4176460	8.127315	8.127315	2.347177	2.347177	FALSE	3.22596007	8.127315	FALSE	1205.87	280	0.03228	0.0000406
5484804176460	548480	4176460	8.128231	8.128231	2.454012	2.454012	FALSE	3.37279409	8.128231	FALSE	1210.10	280	0.03228	0.0000406
5485004176460	548500	4176460	8.131461	8.131461	2.622771	2.622771	FALSE	3.60473646	8.131461	FALSE	1214.65	280	0.03228	0.0000406
5485204176460	548520	4176460	8.135947	8.135947	2.823	2.823	FALSE	3.8799312	8.135947	FALSE	1219.51	280	0.03228	0.0000406
5485404176460	548540	4176460	8.143401	8.143401	3.083689	3.083689	FALSE	4.23822216	8.143401	FALSE	1224.68	280	0.03228	0.0000406
5485604176460	548560	4176460	8.149662	8.149662	3.361118	3.361118	FALSE	4.61952058	8.149662	FALSE	1230.15	280	0.03228	0.0000406
5485804176460	548580	4176460	8.160607	8.160607	3.729165	3.729165	FALSE	5.12536438	8.160607	FALSE	1235.92	280	0.03228	0.0000406
5486004176460	548600	4176460	8.153585	8.153585	3.536044	3.536044	FALSE	4.85993887	8.153585	FALSE	1241.99	280	0.03228	0.0000406
5486204176460	548620	4176460	8.147039	8.147039	3.338272	3.338272	FALSE	4.58812104	8.147039	FALSE	1248.35	280	0.03228	0.0000406
5486404176460	548640	4176460	8.143484	8.143484	3.234312	3.234312	FALSE	4.44523841	8.143484	FALSE	1254.99	280	0.03228	0.0000406
5486604176460	548660	4176460	8.140738	8.140738	3.118157	3.118157	FALSE	4.28559498	8.140738	FALSE	1261.92	280	0.03228	0.0000406
5486804176460	548680	4176460	8.136865	8.136865	2.950291	2.950291	FALSE	4.05487995	8.136865	FALSE	1269.12	280	0.03228	0.0000406
5487004176460	548700	4176460	8.133786	8.133786	2.793496	2.793496	FALSE	3.8393809	8.133786	FALSE	1276.60	280	0.03228	0.0000406
5487204176460	548720	4176460	8.13281	8.13281	2.734836	2.734836	FALSE	3.7587586	8.13281	FALSE	1284.35	280	0.03228	0.0000406
5487404176460	548740	4176460	8.131093	8.131093	2.647319	2.647319	FALSE	3.63847523	8.131093	FALSE	1292.35	280	0.03228	0.0000406
5487604176460	548760	4176460	8.129919	8.129919	2.574135	2.574135	FALSE	3.53789114	8.129919	FALSE	1300.62	280	0.03228	0.0000406
5487804176460	548780	4176460	8.128917	8.128917	2.499845	2.499845	FALSE	3.43578697	8.128917	FALSE	1309.14	280	0.03228	0.0000406
5473204176480	547320	4176480	8.139242	8.139242	2.858712	2.858712	FALSE	3.92901377	8.139242	FALSE	1496.94	280	0.03228	0.0000406
5473404176480	547340	4176480	8.133794	8.133794	2.686353	2.686353	FALSE	3.69212356	8.133794	FALSE	1485.08	280	0.03228	0.0000406
5473604176480	547360	4176480	8.130972	8.130972	2.611906	2.611906	FALSE	3.58980361	8.130972	FALSE	1473.40	280	0.03228	0.0000406
5473804176480	547380	4176480	8.129881	8.129881	2.597917	2.597917	FALSE	3.57057712	8.129881	FALSE	1461.89	280	0.03228	0.0000406
5474004176480	547400	4176480	8.129943	8.129943	2.614497	2.614497	FALSE	3.59336468	8.129943	FALSE	1450.58	280	0.03228	0.0000406
5474204176480	547420	4176480	8.129411	8.129411	2.624556	2.624556	FALSE	3.60718977	8.129411	FALSE	1439.44	280	0.03228	0.0000406
5474404176480	547440	4176480	8.126744	8.126744	2.552275	2.552275	FALSE	3.50784676	8.126744	FALSE	1428.51	280	0.03228	0.0000406
5474604176480	547460	4176480	8.123271	8.123271	2.426226	2.426226	FALSE	3.33460501	8.123271	FALSE	1417.77	280	0.03228	0.0000406
5474804176480	547480	4176480	8.120666	8.120666	2.319989	2.319989	FALSE	3.18859288	8.120666	FALSE	1407.23	280	0.03228	0.0000406
5475004176480	547500	4176480	8.120511	8.120511	2.314423	2.314423	FALSE	3.18094297	8.120511	FALSE	1396.90	280	0.03228	0.0000406
5475204176480	547520	4176480	8.125903	8.125903	2.547058	2.547058	FALSE	3.50067652	8.125903	FALSE	1386.78	280	0.03228	0.0000406
5475404176480	547540	4176480	8.138173	8.138173	3.081697	3.081697	FALSE	4.23548436	8.138173	FALSE	1376.88	280	0.03228	0.0000406
5475604176480	547560	4176480	8.167147	8.167147	4.389616	4.389616	FALSE	6.03308823	8.167147	FALSE	1367.20	280	0.03228	0.0000406
5475804176480	547580	4176480	8.203874	8.203874	6.087066	6.087066	FALSE	8.36606351	8.203874	FALSE	1357.74	280	0.03228	0.0000406
5476004176480	547600	4176480	8.302272	8.302272	10.65355	10.65355	FALSE	14.6422336	8.302272	FALSE	1348.52	280	0.03228	0.0000406
5476204176480	547620	4176480	8.358798	8.358798	10.38249	10.38249	FALSE	14.2696888	8.358798	FALSE	1339.53	280	0.03228	0.0000406
5476404176480	547640	4176480	8.446407	8.446407	12.59298	12.59298	FALSE	17.3077931	8.446407	FALSE	1330.78	280	0.03228	0.0000406
5476604176480	547660	4176480	8.349733	8.349733	8.496937	8.496937	FALSE	11.6781902	8.349733	FALSE	1322.27	280	0.03228	0.0000406
5476804176480	547680	4176480	8.278307	8.278307	6.349175	6.349175	FALSE	8.72630612	8.278307	FALSE	1314.01	280	0.03228	0.0000406
5477004176480	547700	4176480	8.243465	8.243465	5.272147	5.272147	FALSE	7.24603884	8.243465	FALSE	1306.01	280	0.03228	0.0000406
5477204176480	547720	4176480	8.225175	8.225175	4.675133	4.675133	FALSE	6.4255028	8.225175	FALSE	1298.27	280	0.03228	0.0000406
5477404176480	547740	4176480	8.215053	8.215053	4.323969	4.323969	FALSE	5.94286299	8.215053	FALSE	1290.79	280	0.03228	0.0000406
5477604176480	547760	4176480	8.209322	8.209322	4.099433	4.099433	FALSE	5.63426072	8.209322	FALSE	1283.58	280	0.03228	0.0000406
5477804176480	547780	4176480	8.208463	8.208463	4.006206	4.006206	FALSE	5.50612953	8.208463	FALSE	1276.64	280	0.03228	0.0000406
5478004176480	547800	4176480	8.205334	8.205334	3.8741	3.8741	FALSE	5.32456304	8.205334	FALSE	1269.97	280	0.03228	0.0000406
5478204176480	547820	4176480	8.196854	8.196854	3.644009	3.644009	FALSE	5.00832597	8.196854	FALSE	1263.59	280	0.03228	0.0000406
5478404176480	547840	4176480	8.191235	8.191235	3.488672	3.488672	FALSE	4.7948308	8.191235	FALSE	1257.50	280	0.03228	0.0000406
5478604176480	547860	4176480	8.195246	8.195246	3.530509	3.530509	FALSE	4.85233157	8.195246	FALSE	1251.69	280	0.03228	0.0000406
5478804176480	547880	4176480	8.224289	8.224289	4.105231	4.105231	FALSE	5.64222949	8.224289	FALSE	1246.18	280	0.03228	0.0000406
5479004176480	547900	4176480	8.197523	8.197523	3.511825	3.511825	FALSE	4.82665228	8.197523	FALSE	1240.97	280	0.03228	0.0000406
5479204176480	547920	4176480	8.167893	8.167893	2.863043	2.863043	FALSE	3.9349663	8.167893	FALSE	1236.06	280	0.03228	0.0000406
5479404176480	547940	4176480	8.15407	8.15407	2.550257	2.550257	FALSE	3.50507322	8.15407	FALSE	1231.45	280	0.03228	0.0000406
5479604176480	547960	4176480	8.146004	8.146004	2.360143	2.360143	FALSE	3.24378054	8.146004	FALSE	1227.15	280	0.03228	0.0000406
5479804176480	547980	4176480	8.141092	8.141092	2.206127	2.206127	FALSE	3.03210095	8.141092	FALSE	1223.17	280	0.03228	0.0000406
5480004176480	548000	4176480	8.136291	8.136291	2.088907	2.088907	FALSE	2.87099378	8.136291	FALSE	1219.49	280	0.03228	0.0000406
5480204176480	548020	4176480	8.132209	8.132209	1.986969	1.986969	FALSE	2.73089019	8.132209	FALSE	1216.14	280	0.03228	0.0000406
5480404176480	548040	4176480	8.127742	8.127742	1.861921	1.861921	FALSE	2.55902422	8.127742	FALSE	1213.11	280	0.03228	0.0000406
5480604176480	548060	4176480	8.126413	8.126413	1.824401	1.824401	FALSE	2.50745673	8.126413	FALSE	1210.40	280	0.03228	0.0000406
5480804176480	548080	4176480	8.124609	8.124609	1.777687	1.777687	FALSE	2.44325301	8.124609	FALSE	1208.01	280	0.03228	0.0000406
5481004176480	548100	4176480	8.123629	8.123629	1.747299	1.747299	FALSE	2.40148775	8.123629	FALSE	1205.96	280	0.03228	0.0000406
5481204176480	548120	4176480	8.124094	8.124094	1.751065	1.751065	FALSE	2.40666374	8.124094	FALSE	1204.23	280	0.03228	0.0000406
5481404176480	548140	4176480	8.125517	8.125517	1.780427	1.780427	FALSE	2.44701887	8.125517	FALSE	1202.83	280	0.03228	0.0000406
5481604176480	548160	4176480	8.127703	8.127703	1.827001	1.827001	FALSE	2.51103017	8.127703	FALSE	1201.76	280	0.03228	0.0000406
5481804176480	548180	4176480	8.128446	8.128446	1.906191	1.906191	FALSE	2.61986891	8.128446	FALSE	1201.03	280	0.03228	0.0000406
5482004176480	548200	4176480	8.129224	8.129224	1.93148	1.93148	FALSE	2.65462611	8.129224	FALSE	1200.62	280	0.03228	0.0000406
5482204176480	548220	4176480	8.127294	8.127294	1.910476	1.910476	FALSE	2.62575821	8.127294	FALSE	1200.56	280	0.03228	0.0000406
5482404176480	548240	4176480	8.134214	8.134214	2.042973	2.042973	FALSE	2.80786209	8.134214	FALSE	1200.82	280	0.03228	0.0000406
5482604176480	548260	4176480	8.133205	8.133205	2.019319	2.019319	FALSE	2.77535203	8.133205	FALSE	1201.42	280	0.03228	0.0000406
5482804176480	548280	4176480	8.128572	8.128572	1.914784	1.914784	FALSE	2.63167913	8.128572	FALSE	1202.34	280	0.03228	0.0000406
5483004176480	548300	4176480	8.123558	8.123558	1.782126	1.782126	FALSE	2.44935397	8.123558	FALSE	1203.61	280	0.03228	0.0000406
5483204176480	548320	4176480	8.119728	8.119728	1.694984	1.694984	FALSE	2.32958601	8.119728	FALSE	1205.20	280	0.03228	0.0000406
5483404176480	548340	4176480	8.116456	8.116456	1.617195	1.617195	FALSE	2.22267281	8.116456	FALSE	1207.12	280	0.03228	0.0000406
5483604176480	548360	4176480	8.11797	8.11797	1.675402	1.675402	FALSE	2.30267251	8.11797	FALSE	1209.37	280	0.03228	0.0000406
5483804176480	548380	4176480	8.119681	8.119681	1.76301	1.76301	FALSE	2.42308094	8.119681	FALSE	1211.94	280	0.03228	0.0000406
5484004176480	548400	4176480	8.120024	8.120024	1.795143	1.795143	FALSE	2.46724454	8.120024	FALSE	1214.84	280	0.03228	0.0000406
5484204176480	548420	4176480	8.123879	8.123879	1.976491	1.976491	FALSE	2.71648923	8.123879	FALSE	1218.06	280	0.03228	0.0000406
5484404176480	548440	4176480	8.124653	8.124653	2.088846	2.088846	FALSE	2.87090994	8.124653	FALSE	1221.60	280	0.03228	0.0000406
5484604176480	548460	4176480	8.124546	8.124546	2.160217	2.160217	FALSE	2.96900224	8.124546	FALSE	1225.45	280	0.03228	0.0000406
5484804176480	548480	4176480	8.124873	8.124873	2.23976	2.23976	FALSE	3.07832614	8.124873	FALSE	1229.62	280	0.03228	0.0000406
5485004176480	548500	4176480	8.127316	8.127316	2.387315	2.387315	FALSE	3.28112574	8.127316	FALSE	1234.10	280	0.03228	0.0000406
5485204176480	548520	4176480	8.13139	8.13139	2.583076	2.583076	FALSE	3.55017965	8.13139	FALSE	1238.88	280	0.03228	0.0000406
5485404176480	548540	4176480	8.136002	8.136002	2.76677	2.76677	FALSE	3.80264869	8.136002	FALSE	1243.97	280	0.03228	0.0000406
5485604176480	548560	4176480	8.148263	8.148263	3.133649	3.133649	FALSE	4.30688719	8.148263	FALSE	1249.36	280	0.03228	0.0000406

5485804176480	548580	4176480	8.166827	8.166827	3.651772	3.651772	FALSE	5.01899544	8.166827	FALSE	1255.04	280	0.03228	0.0000406
5486004176480	548600	4176480	8.144331	8.144331	3.115722	3.115722	FALSE	4.28224832	8.144331	FALSE	1261.02	280	0.03228	0.0000406
5486204176480	548620	4176480	8.142104	8.142104	2.995966	2.995966	FALSE	4.11765567	8.142104	FALSE	1267.28	280	0.03228	0.0000406
5486404176480	548640	4176480	8.137601	8.137601	2.869762	2.869762	FALSE	3.94420089	8.137601	FALSE	1273.83	280	0.03228	0.0000406
5486604176480	548660	4176480	8.135537	8.135537	2.800847	2.800847	FALSE	3.84948412	8.135537	FALSE	1280.65	280	0.03228	0.0000406
5486804176480	548680	4176480	8.132554	8.132554	2.685124	2.685124	FALSE	3.69043443	8.132554	FALSE	1287.75	280	0.03228	0.0000406
5487004176480	548700	4176480	8.130461	8.130461	2.580001	2.580001	FALSE	3.54595337	8.130461	FALSE	1295.12	280	0.03228	0.0000406
5487204176480	548720	4176480	8.130603	8.130603	2.573098	2.573098	FALSE	3.53646589	8.130603	FALSE	1302.75	280	0.03228	0.0000406
5487404176480	548740	4176480	8.129992	8.129992	2.532351	2.532351	FALSE	3.48046321	8.129992	FALSE	1310.65	280	0.03228	0.0000406
5487604176480	548760	4176480	8.129551	8.129551	2.479505	2.479505	FALSE	3.40783167	8.129551	FALSE	1318.80	280	0.03228	0.0000406
5473404176500	547340	4176500	8.136848	8.136848	2.807823	2.807823	FALSE	3.85907193	8.136848	FALSE	1501.30	280	0.03228	0.0000406
5473604176500	547360	4176500	8.134138	8.134138	2.748659	2.748659	FALSE	3.77775693	8.134138	FALSE	1489.74	280	0.03228	0.0000406
5473804176500	547380	4176500	8.133241	8.133241	2.750441	2.750441	FALSE	3.78020611	8.133241	FALSE	1478.36	280	0.03228	0.0000406
5474004176500	547400	4176500	8.133932	8.133932	2.795377	2.795377	FALSE	3.84196615	8.133932	FALSE	1467.17	280	0.03228	0.0000406
5474204176500	547420	4176500	8.13463	8.13463	2.852568	2.852568	FALSE	3.92056946	8.13463	FALSE	1456.17	280	0.03228	0.0000406
5474404176500	547440	4176500	8.134468	8.134468	2.888599	2.888599	FALSE	3.97009047	8.134468	FALSE	1445.36	280	0.03228	0.0000406
5474604176500	547460	4176500	8.1338	8.1338	2.892474	2.892474	FALSE	3.97541627	8.1338	FALSE	1434.74	280	0.03228	0.0000406
5474804176500	547480	4176500	8.132242	8.132242	2.847163	2.847163	FALSE	3.91314083	8.132242	FALSE	1424.33	280	0.03228	0.0000406
5475004176500	547500	4176500	8.130896	8.130896	2.801526	2.801526	FALSE	3.85041733	8.130896	FALSE	1414.13	280	0.03228	0.0000406
5475204176500	547520	4176500	8.141875	8.141875	3.309067	3.309067	FALSE	4.54798168	8.141875	FALSE	1404.13	280	0.03228	0.0000406
5475404176500	547540	4176500	8.162711	8.162711	4.28975	4.28975	FALSE	5.8958324	8.162711	FALSE	1394.35	280	0.03228	0.0000406
5475604176500	547560	4176500	8.21246	8.21246	6.732216	6.732216	FALSE	9.25275767	8.21246	FALSE	1384.79	280	0.03228	0.0000406
5475804176500	547580	4176500	8.286234	8.286234	10.44451	10.44451	FALSE	14.3549345	8.286234	FALSE	1375.46	280	0.03228	0.0000406
5476004176500	547600	4176500	8.310263	8.310263	10.91643	10.91643	FALSE	15.0035359	8.310263	FALSE	1366.35	280	0.03228	0.0000406
5476204176500	547620	4176500	8.44834	8.44834	16.89706	16.89706	FALSE	23.2233165	8.44834	FALSE	1357.48	280	0.03228	0.0000406
5476404176500	547640	4176500	8.381739	8.381739	11.24886	11.24886	FALSE	15.4604277	8.381739	FALSE	1348.85	280	0.03228	0.0000406
5476604176500	547660	4176500	8.317929	8.317929	8.277757	8.277757	FALSE	11.3769492	8.317929	FALSE	1340.46	280	0.03228	0.0000406
5476804176500	547680	4176500	8.319296	8.319296	7.578046	7.578046	FALSE	10.4152664	8.319296	FALSE	1332.31	280	0.03228	0.0000406
5477004176500	547700	4176500	8.269553	8.269553	6.07536	6.07536	FALSE	8.34997478	8.269553	FALSE	1324.42	280	0.03228	0.0000406
5477204176500	547720	4176500	8.296061	8.296061	6.344071	6.344071	FALSE	8.71929118	8.296061	FALSE	1316.78	280	0.03228	0.0000406
5477404176500	547740	4176500	8.241582	8.241582	5.011626	5.011626	FALSE	6.88797877	8.241582	FALSE	1309.41	280	0.03228	0.0000406
5477604176500	547760	4176500	8.290489	8.290489	5.905663	5.905663	FALSE	8.11674323	8.290489	FALSE	1302.30	280	0.03228	0.0000406
5477804176500	547780	4176500	8.272208	8.272208	5.412503	5.412503	FALSE	7.43894412	8.272208	FALSE	1295.46	280	0.03228	0.0000406
5478004176500	547800	4176500	8.239916	8.239916	4.640532	4.640532	FALSE	6.37794718	8.239916	FALSE	1288.90	280	0.03228	0.0000406
5478204176500	547820	4176500	8.269082	8.269082	5.201216	5.201216	FALSE	7.14855127	8.269082	FALSE	1282.61	280	0.03228	0.0000406
5478404176500	547840	4176500	8.260036	8.260036	4.964819	4.964819	FALSE	6.82364723	8.260036	FALSE	1276.61	280	0.03228	0.0000406
5478604176500	547860	4176500	8.208644	8.208644	3.837796	3.837796	FALSE	5.27466682	8.208644	FALSE	1270.89	280	0.03228	0.0000406
5478804176500	547880	4176500	8.208935	8.208935	3.805117	3.805117	FALSE	5.2297528	8.208935	FALSE	1265.46	280	0.03228	0.0000406
5479004176500	547900	4176500	8.165549	8.165549	2.85633	2.85633	FALSE	3.92573995	8.165549	FALSE	1260.33	280	0.03228	0.0000406
5479204176500	547920	4176500	8.147751	8.147751	2.442853	2.442853	FALSE	3.35745716	8.147751	FALSE	1255.49	280	0.03228	0.0000406
5479404176500	547940	4176500	8.138172	8.138172	2.207825	2.207825	FALSE	3.03443468	8.138172	FALSE	1250.96	280	0.03228	0.0000406
5479604176500	547960	4176500	8.132974	8.132974	2.073403	2.073403	FALSE	2.84968508	8.132974	FALSE	1246.72	280	0.03228	0.0000406
5479804176500	547980	4176500	8.130532	8.130532	1.971842	1.971842	FALSE	2.71009964	8.130532	FALSE	1242.80	280	0.03228	0.0000406
5480004176500	548000	4176500	8.127372	8.127372	1.885967	1.885967	FALSE	2.59207304	8.127372	FALSE	1239.19	280	0.03228	0.0000406
5480204176500	548020	4176500	8.125199	8.125199	1.826547	1.826547	FALSE	2.5104062	8.125199	FALSE	1235.89	280	0.03228	0.0000406
5480404176500	548040	4176500	8.122884	8.122884	1.752718	1.752718	FALSE	2.40893562	8.122884	FALSE	1232.91	280	0.03228	0.0000406
5480604176500	548060	4176500	8.121283	8.121283	1.704636	1.704636	FALSE	2.34285172	8.121283	FALSE	1230.24	280	0.03228	0.0000406
5480804176500	548080	4176500	8.119761	8.119761	1.659408	1.659408	FALSE	2.28069036	8.119761	FALSE	1227.89	280	0.03228	0.0000406
5481004176500	548100	4176500	8.119396	8.119396	1.638971	1.638971	FALSE	2.25260174	8.119396	FALSE	1225.87	280	0.03228	0.0000406
5481204176500	548120	4176500	8.120138	8.120138	1.644148	1.644148	FALSE	2.25971701	8.120138	FALSE	1224.17	280	0.03228	0.0000406
5481404176500	548140	4176500	8.122034	8.122034	1.678632	1.678632	FALSE	2.30711182	8.122034	FALSE	1222.79	280	0.03228	0.0000406
5481604176500	548160	4176500	8.12488	8.12488	1.733487	1.733487	FALSE	2.38250453	8.12488	FALSE	1221.74	280	0.03228	0.0000406
5481804176500	548180	4176500	8.126408	8.126408	1.815434	1.815434	FALSE	2.49513249	8.126408	FALSE	1221.02	280	0.03228	0.0000406
5482004176500	548200	4176500	8.126834	8.126834	1.832307	1.832307	FALSE	2.51832274	8.126834	FALSE	1220.62	280	0.03228	0.0000406
5482204176500	548220	4176500	8.127264	8.127264	1.85179	1.85179	FALSE	2.54510018	8.127264	FALSE	1220.56	280	0.03228	0.0000406
5482404176500	548240	4176500	8.130735	8.130735	1.913052	1.913052	FALSE	2.62929867	8.130735	FALSE	1220.81	280	0.03228	0.0000406
5482604176500	548260	4176500	8.128173	8.128173	1.858418	1.858418	FALSE	2.5542097	8.128173	FALSE	1221.40	280	0.03228	0.0000406
5482804176500	548280	4176500	8.123782	8.123782	1.762561	1.762561	FALSE	2.42246384	8.123782	FALSE	1222.32	280	0.03228	0.0000406
5483004176500	548300	4176500	8.119227	8.119227	1.644544	1.644544	FALSE	2.26026127	8.119227	FALSE	1223.56	280	0.03228	0.0000406
5483204176500	548320	4176500	8.116194	8.116194	1.5781	1.5781	FALSE	2.16894064	8.116194	FALSE	1225.12	280	0.03228	0.0000406
5483404176500	548340	4176500	8.114069	8.114069	1.531281	1.531281	FALSE	2.10459261	8.114069	FALSE	1227.01	280	0.03228	0.0000406
5483604176500	548360	4176500	8.116594	8.116594	1.603358	1.603358	FALSE	2.20365524	8.116594	FALSE	1229.22	280	0.03228	0.0000406
5483804176500	548380	4176500	8.11953	8.11953	1.709025	1.709025	FALSE	2.34888396	8.11953	FALSE	1231.76	280	0.03228	0.0000406
5484004176500	548400	4176500	8.118823	8.118823	1.708243	1.708243	FALSE	2.34780918	8.118823	FALSE	1234.61	280	0.03228	0.0000406
5484204176500	548420	4176500	8.121056	8.121056	1.82334	1.82334	FALSE	2.5059985	8.121056	FALSE	1237.78	280	0.03228	0.0000406
5484404176500	548440	4176500	8.122332	8.122332	1.930595	1.930595	FALSE	2.65340977	8.122332	FALSE	1241.26	280	0.03228	0.0000406
5484604176500	548460	4176500	8.122607	8.122607	2.015627	2.015627	FALSE	2.77027775	8.122607	FALSE	1245.05	280	0.03228	0.0000406
5484804176500	548480	4176500	8.122296	8.122296	2.064064	2.064064	FALSE	2.83684956	8.122296	FALSE	1249.15	280	0.03228	0.0000406
5485004176500	548500	4176500	8.124073	8.124073	2.195181	2.195181	FALSE	3.01705677	8.124073	FALSE	1253.56	280	0.03228	0.0000406
5485204176500	548520	4176500	8.127219	8.127219	2.363277	2.363277	FALSE	3.24808791	8.127219	FALSE	1258.27	280	0.03228	0.0000406
5485404176500	548540	4176500	8.131318	8.131318	2.542771	2.542771	FALSE	3.49478446	8.131318	FALSE	1263.28	280	0.03228	0.0000406
5485604176500	548560	4176500	8.136958	8.136958	2.769142	2.769142	FALSE	3.80590876	8.136958	FALSE	1268.59	280	0.03228	0.0000406
5485804176500	548580	4176500	8.143641	8.143641	3.019242	3.019242	FALSE	4.1496462	8.143641	FALSE	1274.19	280	0.03228	0.0000406
5486004176500	548600	4176500	8.139995	8.139995	2.882634	2.882634	FALSE	3.96189217	8.139995	FALSE	1280.07	280	0.03228	0.0000406
5486204176500	548620	4176500	8.13538	8.13538	2.71595	2.71595	FALSE	3.73280168	8.13538	FALSE	1286.24	280	0.03228	0.0000406
5486404176500	548640	4176500	8.132733	8.132733	2.623831	2.623831	FALSE	3.60619333	8.132733	FALSE	1292.69	280	0.03228	0.0000406
5486604176500	548660	4176500	8.131651	8.131651	2.582404	2.582404	FALSE	3.54925606	8.131651	FALSE	1299.42	280	0.03228	0.0000406
5486804176500	548680	4176500	8.129259	8.129259	2.488669	2.488669	FALSE	3.42042667	8.129259	FALSE	1306.42	280	0.03228	0.0000406
5487004176500	548700	4176500	8.127779	8.127779	2.408087	2.408087	FALSE	3.30967477	8.127779	FALSE	1313.68	280	0.03228	0.0000406
5487204176500	548720	4176500	8.128686	8.128686	2.428477	2.428477	FALSE	3.33769879	8.128686	FALSE	1321.21	280	0.03228	0.0000406
5487404176500	548740	4176500	8.128936	8.128936	2.411338	2.411338	FALSE	3.31414295	8.128936	FALSE	1328.99	280	0.03228	0.0000406
5473604176520	547360	4176520	8.1373	8.1373	2.894476	2.894476	FALSE	3.97816781	8.1373	FALSE	1506.17	280	0.03228	0.0000406
5473804176520	547380	4176520	8.136898	8.136898	2.925435	2.925435	FALSE	4.02071786	8.136898	FALSE	1494.92	280	0.03228	0.0000406
5474004176520	547400	4176520	8.138568	8.138568	3.017189	3.017189	FALSE	4.14682456	8.138568	FALSE	1483.85	280	0.03228	0.0000406
5474204176520	547420	4176520	8.140815	8.140815	3.133947	3.133947	FALSE	4.30729676	8.140815	FALSE	1472.97	280	0.03228	0.0000406
5474404176520	547440	4176520	8.143926	8.143926	3.308235	3.308235	FALSE	4.54683818	8.143926	FALSE	1462.29	280	0.03228	0.0000406
5474604176520	547460	4176520	8.147791	8.147791	3.522826	3.522826	FALSE	4.84177205	8.147791	FALSE	1451.80	280	0.03228	0.0000406
5474804176520	547480	4176520	8.15106	8.15106	3.720631	3.720631	FALSE	5.11363525	8.15106	FALSE	1441.51	280	0.03228	0.0000406
5475004176520	547500	4176520	8.153532	8.153532	3.880177	3.880177	FALSE	5.33291527	8.153532	FALSE	1431.43	280	0.03228	0.0000406
5475204176520	547520	4176520	8.172358	8.172358	4.80948	4.80948	FALSE	6.61014931	8.172358	FALSE	1421.55	280	0.03228	0.0000406
5475404176520	547540	4176520	8.208648	8.208648	6.636494	6.636494	FALSE	9.12119735	8.208648	FALSE	1411.89	280	0.03228	0.0000406
5475604176520	547560	4176520	8.281708	8.281708	10.3977	10.3977	FALSE	14.290592	8.281708	FALSE	1402.45	280	0.03228	0.0000406
5475804176520	547580	4176520	8.422838	8.422838	17.66858	17.66858	FALSE	24.2836909	8.422838	FALSE	1393.24	280	0.03228	0.0000406
5476004176520	547600	4176520	8.471243	8.471243	19.64833	19.64833	FALSE	27.0046675	8.471243	FALSE	1384.25	280	0.03228	0.0000406

5476204176520	547620	4176520	8.349932	8.349932	12.11496	12.11496	FALSE	16.6507969	8.349932	FALSE	1375.49	280	0.03228	0.0000406
5476404176520	547640	4176520	8.333084	8.333084	9.676048	9.676048	FALSE	13.2987604	8.333084	FALSE	1366.97	280	0.03228	0.0000406
5476604176520	547660	4176520	8.261556	8.261556	7.090357	7.090357	FALSE	9.74498666	8.261556	FALSE	1358.69	280	0.03228	0.0000406
5476804176520	547680	4176520	8.22085	8.22085	5.542248	5.542248	FALSE	7.61726565	8.22085	FALSE	1350.66	280	0.03228	0.0000406
5477004176520	547700	4176520	8.210017	8.210017	4.891901	4.891901	FALSE	6.72342873	8.210017	FALSE	1342.87	280	0.03228	0.0000406
5477204176520	547720	4176520	8.205635	8.205635	4.516295	4.516295	FALSE	6.20719585	8.205635	FALSE	1335.34	280	0.03228	0.0000406
5477404176520	547740	4176520	8.201881	8.201881	4.244604	4.244604	FALSE	5.83378374	8.201881	FALSE	1328.07	280	0.03228	0.0000406
5477604176520	547760	4176520	8.184665	8.184665	3.710264	3.710264	FALSE	5.09938684	8.184665	FALSE	1321.06	280	0.03228	0.0000406
5477804176520	547780	4176520	8.169945	8.169945	3.281393	3.281393	FALSE	4.50994654	8.169945	FALSE	1314.32	280	0.03228	0.0000406
5478004176520	547800	4176520	8.158198	8.158198	2.951283	2.951283	FALSE	4.05624336	8.158198	FALSE	1307.85	280	0.03228	0.0000406
5478204176520	547820	4176520	8.160287	8.160287	2.924959	2.924959	FALSE	4.02006365	8.160287	FALSE	1301.66	280	0.03228	0.0000406
5478404176520	547840	4176520	8.165847	8.165847	2.992838	2.992838	FALSE	4.11335655	8.165847	FALSE	1295.74	280	0.03228	0.0000406
5478604176520	547860	4176520	8.163305	8.163305	2.890589	2.890589	FALSE	3.97282552	8.163305	FALSE	1290.11	280	0.03228	0.0000406
5478804176520	547880	4176520	8.152101	8.152101	2.612014	2.612014	FALSE	3.58995204	8.152101	FALSE	1284.76	280	0.03228	0.0000406
5479004176520	547900	4176520	8.142362	8.142362	2.37027	2.37027	FALSE	3.25769909	8.142362	FALSE	1279.70	280	0.03228	0.0000406
5479204176520	547920	4176520	8.133169	8.133169	2.140082	2.140082	FALSE	2.9413287	8.133169	FALSE	1274.94	280	0.03228	0.0000406
5479404176520	547940	4176520	8.12593	8.12593	1.943161	1.943161	FALSE	2.67068048	8.12593	FALSE	1270.48	280	0.03228	0.0000406
5479604176520	547960	4176520	8.12229	8.12229	1.833667	1.833667	FALSE	2.52019192	8.12229	FALSE	1266.31	280	0.03228	0.0000406
5479804176520	547980	4176520	8.121175	8.121175	1.76053	1.76053	FALSE	2.41967243	8.121175	FALSE	1262.45	280	0.03228	0.0000406
5480004176520	548000	4176520	8.119435	8.119435	1.70223	1.70223	FALSE	2.33954491	8.119435	FALSE	1258.89	280	0.03228	0.0000406
5480204176520	548020	4176520	8.118569	8.118569	1.667238	1.667238	FALSE	2.29145191	8.118569	FALSE	1255.64	280	0.03228	0.0000406
5480404176520	548040	4176520	8.117536	8.117536	1.618702	1.618702	FALSE	2.22474403	8.117536	FALSE	1252.71	280	0.03228	0.0000406
5480604176520	548060	4176520	8.115736	8.115736	1.551763	1.551763	FALSE	2.13274307	8.115736	FALSE	1250.08	280	0.03228	0.0000406
5480804176520	548080	4176520	8.114561	8.114561	1.504298	1.504298	FALSE	2.06750717	8.114561	FALSE	1247.78	280	0.03228	0.0000406
5481004176520	548100	4176520	8.114931	8.114931	1.493677	1.493677	FALSE	2.05290967	8.114931	FALSE	1245.78	280	0.03228	0.0000406
5481204176520	548120	4176520	8.11649	8.11649	1.514077	1.514077	FALSE	2.08094743	8.11649	FALSE	1244.11	280	0.03228	0.0000406
5481404176520	548140	4176520	8.119698	8.119698	1.577323	1.577323	FALSE	2.16787273	8.119698	FALSE	1242.76	280	0.03228	0.0000406
5481604176520	548160	4176520	8.12486	8.12486	1.684908	1.684908	FALSE	2.31573756	8.12486	FALSE	1241.72	280	0.03228	0.0000406
5481804176520	548180	4176520	8.12957	8.12957	1.835126	1.835126	FALSE	2.52219717	8.12957	FALSE	1241.01	280	0.03228	0.0000406
5482004176520	548200	4176520	8.126609	8.126609	1.785931	1.785931	FALSE	2.45458357	8.126609	FALSE	1240.62	280	0.03228	0.0000406
5482204176520	548220	4176520	8.128029	8.128029	1.815486	1.815486	FALSE	2.49520396	8.128029	FALSE	1240.55	280	0.03228	0.0000406
5482404176520	548240	4176520	8.127377	8.127377	1.797354	1.797354	FALSE	2.47028334	8.127377	FALSE	1240.81	280	0.03228	0.0000406
5482604176520	548260	4176520	8.123264	8.123264	1.715686	1.715686	FALSE	2.35803884	8.123264	FALSE	1241.39	280	0.03228	0.0000406
5482804176520	548280	4176520	8.119303	8.119303	1.632098	1.632098	FALSE	2.24315549	8.119303	FALSE	1242.29	280	0.03228	0.0000406
5483004176520	548300	4176520	8.116106	8.116106	1.547486	1.547486	FALSE	2.12686476	8.116106	FALSE	1243.51	280	0.03228	0.0000406
5483204176520	548320	4176520	8.114592	8.114592	1.516929	1.516929	FALSE	2.08486722	8.114592	FALSE	1245.05	280	0.03228	0.0000406
5483404176520	548340	4176520	8.114415	8.114415	1.517946	1.517946	FALSE	2.08626498	8.114415	FALSE	1246.91	280	0.03228	0.0000406
5483604176520	548360	4176520	8.119679	8.119679	1.652965	1.652965	FALSE	2.2718351	8.119679	FALSE	1249.08	280	0.03228	0.0000406
5483804176520	548380	4176520	8.129544	8.129544	1.901452	1.901452	FALSE	2.61335563	8.129544	FALSE	1251.58	280	0.03228	0.0000406
5484004176520	548400	4176520	8.123387	8.123387	1.775972	1.775972	FALSE	2.44089592	8.123387	FALSE	1254.38	280	0.03228	0.0000406
5484204176520	548420	4176520	8.121111	8.121111	1.775082	1.775082	FALSE	2.4396727	8.121111	FALSE	1257.50	280	0.03228	0.0000406
5484404176520	548440	4176520	8.120737	8.120737	1.825856	1.825856	FALSE	2.50945649	8.120737	FALSE	1260.93	280	0.03228	0.0000406
5484604176520	548460	4176520	8.121242	8.121242	1.909348	1.909348	FALSE	2.62420789	8.121242	FALSE	1264.66	280	0.03228	0.0000406
5484804176520	548480	4176520	8.120489	8.120489	1.93565	1.93565	FALSE	2.66035736	8.120489	FALSE	1268.70	280	0.03228	0.0000406
5485004176520	548500	4176520	8.121881	8.121881	2.050452	2.050452	FALSE	2.81814123	8.121881	FALSE	1273.04	280	0.03228	0.0000406
5485204176520	548520	4176520	8.124282	8.124282	2.198037	2.198037	FALSE	3.02098205	8.124282	FALSE	1277.68	280	0.03228	0.0000406
5485404176520	548540	4176520	8.128247	8.128247	2.385076	2.385076	FALSE	3.27804845	8.128247	FALSE	1282.62	280	0.03228	0.0000406
5485604176520	548560	4176520	8.132842	8.132842	2.584622	2.584622	FALSE	3.55230448	8.132842	FALSE	1287.84	280	0.03228	0.0000406
5485804176520	548580	4176520	8.136993	8.136993	2.760276	2.760276	FALSE	3.79372333	8.136993	FALSE	1293.36	280	0.03228	0.0000406
5486004176520	548600	4176520	8.134347	8.134347	2.660153	2.660153	FALSE	3.65611428	8.134347	FALSE	1299.16	280	0.03228	0.0000406
5486204176520	548620	4176520	8.131034	8.131034	2.523556	2.523556	FALSE	3.46837537	8.131034	FALSE	1305.24	280	0.03228	0.0000406
5486404176520	548640	4176520	8.128831	8.128831	2.432474	2.432474	FALSE	3.34319227	8.128831	FALSE	1311.59	280	0.03228	0.0000406
5486604176520	548660	4176520	8.128253	8.128253	2.403082	2.403082	FALSE	3.3027959	8.128253	FALSE	1318.22	280	0.03228	0.0000406
5486804176520	548680	4176520	8.126368	8.126368	2.324744	2.324744	FALSE	3.19512815	8.126368	FALSE	1325.12	280	0.03228	0.0000406
5487004176520	548700	4176520	8.125611	8.125611	2.265929	2.265929	FALSE	3.11429282	8.125611	FALSE	1332.28	280	0.03228	0.0000406
5474004176540	547400	4176540	8.144761	8.144761	3.304056	3.304056	FALSE	4.54109457	8.144761	FALSE	1500.61	280	0.03228	0.0000406
5474204176540	547420	4176540	8.148894	8.148894	3.507347	3.507347	FALSE	4.82049772	8.148894	FALSE	1489.85	280	0.03228	0.0000406
5474404176540	547440	4176540	8.155014	8.155014	3.809591	3.809591	FALSE	5.23590187	8.155014	FALSE	1479.29	280	0.03228	0.0000406
5474604176540	547460	4176540	8.163919	8.163919	4.246877	4.246877	FALSE	5.83690775	8.163919	FALSE	1468.92	280	0.03228	0.0000406
5474804176540	547480	4176540	8.176153	8.176153	4.872393	4.872393	FALSE	6.69661694	8.176153	FALSE	1458.75	280	0.03228	0.0000406
5475004176540	547500	4176540	8.193521	8.193521	5.787142	5.787142	FALSE	7.95384796	8.193521	FALSE	1448.79	280	0.03228	0.0000406
5475204176540	547520	4176540	8.223887	8.223887	7.376702	7.376702	FALSE	10.1385392	8.223887	FALSE	1439.04	280	0.03228	0.0000406
5475404176540	547540	4176540	8.28597	8.28597	10.67386	10.67386	FALSE	14.6701532	8.28597	FALSE	1429.50	280	0.03228	0.0000406
5475604176540	547560	4176540	8.445708	8.445708	19.24898	19.24898	FALSE	26.4557926	8.445708	FALSE	1420.18	280	0.03228	0.0000406
5475804176540	547580	4176540	8.473555	8.473555	20.14076	20.14076	FALSE	27.6814564	8.473555	FALSE	1411.07	280	0.03228	0.0000406
5476004176540	547600	4176540	8.340583	8.340583	12.67178	12.67178	FALSE	17.4160986	8.340583	FALSE	1402.20	280	0.03228	0.0000406
5476204176540	547620	4176540	8.300442	8.300442	9.601195	9.601195	FALSE	13.1958824	8.300442	FALSE	1393.56	280	0.03228	0.0000406
5476404176540	547640	4176540	8.315971	8.315971	8.614525	8.614525	FALSE	11.8398032	8.315971	FALSE	1385.15	280	0.03228	0.0000406
5476604176540	547660	4176540	8.221326	8.221326	5.885663	5.885663	FALSE	8.08925523	8.221326	FALSE	1376.98	280	0.03228	0.0000406
5476804176540	547680	4176540	8.186447	8.186447	4.618389	4.618389	FALSE	6.34751384	8.186447	FALSE	1369.05	280	0.03228	0.0000406
5477004176540	547700	4176540	8.173415	8.173415	4.039746	4.039746	FALSE	5.5522269	8.173415	FALSE	1361.37	280	0.03228	0.0000406
5477204176540	547720	4176540	8.164862	8.164862	3.626214	3.626214	FALSE	4.98386852	8.164862	FALSE	1353.94	280	0.03228	0.0000406
5477404176540	547740	4176540	8.158799	8.158799	3.323853	3.323853	FALSE	4.56830356	8.158799	FALSE	1346.77	280	0.03228	0.0000406
5477604176540	547760	4176540	8.148871	8.148871	2.952836	2.952836	FALSE	4.0583778	8.148871	FALSE	1339.86	280	0.03228	0.0000406
5477804176540	547780	4176540	8.139935	8.139935	2.624771	2.624771	FALSE	3.60748526	8.139935	FALSE	1333.22	280	0.03228	0.0000406
5478004176540	547800	4176540	8.131475	8.131475	2.317941	2.317941	FALSE	3.18577811	8.131475	FALSE	1326.84	280	0.03228	0.0000406
5478204176540	547820	4176540	8.131778	8.131778	2.286514	2.286514	FALSE	3.14258484	8.131778	FALSE	1320.73	280	0.03228	0.0000406
5478404176540	547840	4176540	8.132762	8.132762	2.276916	2.276916	FALSE	3.12939335	8.132762	FALSE	1314.90	280	0.03228	0.0000406
5478604176540	547860	4176540	8.132077	8.132077	2.223136	2.223136	FALSE	3.05547812	8.132077	FALSE	1309.35	280	0.03228	0.0000406
5478804176540	547880	4176540	8.128249	8.128249	2.09271	2.09271	FALSE	2.87622062	8.128249	FALSE	1304.08	280	0.03228	0.0000406
5479004176540	547900	4176540	8.124157	8.124157	1.958284	1.958284	FALSE	2.69146553	8.124157	FALSE	1299.10	280	0.03228	0.0000406
5479204176540	547920	4176540	8.119912	8.119912	1.819003	1.819003	FALSE	2.50003772	8.119912	FALSE	1294.41	280	0.03228	0.0000406
5479404176540	547940	4176540	8.115513	8.115513	1.672516	1.672516	FALSE	2.29870599	8.115513	FALSE	1290.01	280	0.03228	0.0000406
5479604176540	547960	4176540	8.11302	8.11302	1.57981	1.57981	FALSE	2.17129086	8.11302	FALSE	1285.91	280	0.03228	0.0000406
5479804176540	547980	4176540	8.111898	8.111898	1.499147	1.499147	FALSE	2.06042764	8.111898	FALSE	1282.11	280	0.03228	0.0000406
5480004176540	548000	4176540	8.111757	8.111757	1.481235	1.481235	FALSE	2.03580938	8.111757	FALSE	1278.61	280	0.03228	0.0000406
5480204176540	548020	4176540	8.11203	8.11203	1.473973	1.473973	FALSE	2.02582849	8.11203	FALSE	1275.41	280	0.03228	0.0000406
5480404176540	548040	4176540	8.111848	8.111848	1.444634	1.444634	FALSE	1.98550497	8.111848	FALSE	1272.52	280	0.03228	0.0000406
5480604176540	548060	4176540	8.110292	8.110292	1.37221	1.37221	FALSE	1.88596542	8.110292	FALSE	1269.93	280	0.03228	0.0000406
5480804176540	548080	4176540	8.10949	8.10949	1.32765	1.32765	FALSE	1.82472216	8.10949	FALSE	1267.66	280	0.03228	0.0000406
5481004176540	548100	4176540	8.110255	8.110255	1.323555	1.323555	FALSE	1.81909399	8.110255	FALSE	1265.70	280	0.03228	0.0000406
5481204176540	548120	4176540	8.112387	8.112387	1.357041	1.357041	FALSE	1.86511715	8.112387	FALSE	1264.05	280	0.03228	0.0000406
5481404176540	548140	4176540	8.116534	8.116534	1.440998	1.440998	FALSE	1.98050765	8.116534	FALSE	1262.72	280	0.03228	0.0000406
5481604176540	548160	4176540	8.125092	8.125092	1.618614	1.618614	FALSE	2.22462308	8.125092	FALSE	1261.70	280	0.03228	0.0000406

5481804176540	548180	4176540	8.143921	8.143921	2.040597	2.040597	FALSE	2.80459652	8.143921	FALSE	1261.00	280	0.03228	0.0000406
5482004176540	548200	4176540	8.137366	8.137366	1.928991	1.928991	FALSE	2.65120523	8.137366	FALSE	1260.62	280	0.03228	0.0000406
5482204176540	548220	4176540	8.142484	8.142484	2.032961	2.032961	FALSE	2.7941016	8.142484	FALSE	1260.55	280	0.03228	0.0000406
5482404176540	548240	4176540	8.129412	8.129412	1.776565	1.776565	FALSE	2.44171094	8.129412	FALSE	1260.81	280	0.03228	0.0000406
5482604176540	548260	4176540	8.121911	8.121911	1.629324	1.629324	FALSE	2.23934291	8.121911	FALSE	1261.37	280	0.03228	0.0000406
5482804176540	548280	4176540	8.117293	8.117293	1.535625	1.535625	FALSE	2.110563	8.117293	FALSE	1262.26	280	0.03228	0.0000406
5483004176540	548300	4176540	8.11497	8.11497	1.481866	1.481866	FALSE	2.03667663	8.11497	FALSE	1263.46	280	0.03228	0.0000406
5483204176540	548320	4176540	8.115494	8.115494	1.505591	1.505591	FALSE	2.06928427	8.115494	FALSE	1264.98	280	0.03228	0.0000406
5483404176540	548340	4176540	8.113333	8.113333	1.474869	1.474869	FALSE	2.02705995	8.113333	FALSE	1266.81	280	0.03228	0.0000406
5483604176540	548360	4176540	8.122662	8.122662	1.702693	1.702693	FALSE	2.34018126	8.122662	FALSE	1268.95	280	0.03228	0.0000406
5483804176540	548380	4176540	8.121651	8.121651	1.712291	1.712291	FALSE	2.35337275	8.121651	FALSE	1271.40	280	0.03228	0.0000406
5484004176540	548400	4176540	8.127851	8.127851	1.850526	1.850526	FALSE	2.54336293	8.127851	FALSE	1274.17	280	0.03228	0.0000406
5484204176540	548420	4176540	8.121275	8.121275	1.744173	1.744173	FALSE	2.39719137	8.121275	FALSE	1277.24	280	0.03228	0.0000406
5484404176540	548440	4176540	8.119308	8.119308	1.74424	1.74424	FALSE	2.39728346	8.119308	FALSE	1280.61	280	0.03228	0.0000406
5484604176540	548460	4176540	8.119615	8.119615	1.815856	1.815856	FALSE	2.49571249	8.119615	FALSE	1284.29	280	0.03228	0.0000406
5484804176540	548480	4176540	8.118829	8.118829	1.833696	1.833696	FALSE	2.52023178	8.118829	FALSE	1288.27	280	0.03228	0.0000406
5485004176540	548500	4176540	8.119946	8.119946	1.93424	1.93424	FALSE	2.65841946	8.119946	FALSE	1292.54	280	0.03228	0.0000406
5485204176540	548520	4176540	8.121763	8.121763	2.064646	2.064646	FALSE	2.83764946	8.121763	FALSE	1297.11	280	0.03228	0.0000406
5485404176540	548540	4176540	8.125531	8.125531	2.251642	2.251642	FALSE	3.09465676	8.125531	FALSE	1301.97	280	0.03228	0.0000406
5485604176540	548560	4176540	8.129701	8.129701	2.43675	2.43675	FALSE	3.3490692	8.129701	FALSE	1307.12	280	0.03228	0.0000406
5485804176540	548580	4176540	8.132384	8.132384	2.56145	2.56145	FALSE	3.52045688	8.132384	FALSE	1312.55	280	0.03228	0.0000406
5486004176540	548600	4176540	8.130905	8.130905	2.50384	2.50384	FALSE	3.4412777	8.130905	FALSE	1318.27	280	0.03228	0.0000406
5486204176540	548620	4176540	8.12783	8.12783	2.373739	2.373739	FALSE	3.26246688	8.12783	FALSE	1324.26	280	0.03228	0.0000406
5486404176540	548640	4176540	8.125394	8.125394	2.270362	2.270362	FALSE	3.12038553	8.125394	FALSE	1330.53	280	0.03228	0.0000406
5486604176540	548660	4176540	8.124957	8.124957	2.240987	2.240987	FALSE	3.08001253	8.124957	FALSE	1337.06	280	0.03228	0.0000406
5486804176540	548680	4176540	8.123449	8.123449	2.169866	2.169866	FALSE	2.98226383	8.123449	FALSE	1343.86	280	0.03228	0.0000406
5474204176560	547420	4176560	8.158188	8.158188	3.965353	3.965353	FALSE	5.44998116	8.158188	FALSE	1506.81	280	0.03228	0.0000406
5474404176560	547440	4176560	8.167463	8.167463	4.420863	4.420863	FALSE	6.07603411	8.167463	FALSE	1496.37	280	0.03228	0.0000406
5474604176560	547460	4176560	8.181383	8.181383	5.102812	5.102812	FALSE	7.01330481	8.181383	FALSE	1486.12	280	0.03228	0.0000406
5474804176560	547480	4176560	8.201533	8.201533	6.11074	6.11074	FALSE	8.39860106	8.201533	FALSE	1476.07	280	0.03228	0.0000406
5475004176560	547500	4176560	8.233593	8.233593	7.749789	7.749789	FALSE	10.65131	8.233593	FALSE	1466.23	280	0.03228	0.0000406
5475204176560	547520	4176560	8.29295	8.29295	10.8847	10.8847	FALSE	14.9599289	8.29295	FALSE	1456.59	280	0.03228	0.0000406
5475404176560	547540	4176560	8.496433	8.496433	22.05377	22.05377	FALSE	30.3106987	8.496433	FALSE	1447.17	280	0.03228	0.0000406
5475604176560	547560	4176560	8.464108	8.464108	19.77602	19.77602	FALSE	27.180155	8.464108	FALSE	1437.96	280	0.03228	0.0000406
5475804176560	547580	4176560	8.328805	8.328805	12.41487	12.41487	FALSE	17.0630015	8.328805	FALSE	1428.97	280	0.03228	0.0000406
5476004176560	547600	4176560	8.272294	8.272294	9.028965	9.028965	FALSE	12.4094095	8.272294	FALSE	1420.21	280	0.03228	0.0000406
5476204176560	547620	4176560	8.261928	8.261928	7.528652	7.528652	FALSE	10.3473793	8.261928	FALSE	1411.67	280	0.03228	0.0000406
5476404176560	547640	4176560	8.240566	8.240566	6.291947	6.291947	FALSE	8.64765196	8.240566	FALSE	1403.37	280	0.03228	0.0000406
5476604176560	547660	4176560	8.18351	8.18351	4.529939	4.529939	FALSE	6.22594816	8.18351	FALSE	1395.31	280	0.03228	0.0000406
5476804176560	547680	4176560	8.156015	8.156015	3.514538	3.514538	FALSE	4.83038103	8.156015	FALSE	1387.49	280	0.03228	0.0000406
5477004176560	547700	4176560	8.147343	8.147343	3.17243	3.17243	FALSE	4.36018779	8.147343	FALSE	1379.91	280	0.03228	0.0000406
5477204176560	547720	4176560	8.140415	8.140415	2.877515	2.877515	FALSE	3.95485662	8.140415	FALSE	1372.58	280	0.03228	0.0000406
5477404176560	547740	4176560	8.134615	8.134615	2.624694	2.624694	FALSE	3.60737943	8.134615	FALSE	1365.51	280	0.03228	0.0000406
5477604176560	547760	4176560	8.12743	8.12743	2.324618	2.324618	FALSE	3.19495498	8.12743	FALSE	1358.70	280	0.03228	0.0000406
5477804176560	547780	4176560	8.121467	8.121467	2.077038	2.077038	FALSE	2.85468103	8.121467	FALSE	1352.14	280	0.03228	0.0000406
5478004176560	547800	4176560	8.115879	8.115879	1.852291	1.852291	FALSE	2.54578875	8.115879	FALSE	1345.85	280	0.03228	0.0000406
5478204176560	547820	4176560	8.116044	8.116044	1.834655	1.834655	FALSE	2.52154983	8.116044	FALSE	1339.83	280	0.03228	0.0000406
5478404176560	547840	4176560	8.116627	8.116627	1.828263	1.828263	FALSE	2.51276467	8.116627	FALSE	1334.09	280	0.03228	0.0000406
5478604176560	547860	4176560	8.115491	8.115491	1.771406	1.771406	FALSE	2.43462041	8.115491	FALSE	1328.62	280	0.03228	0.0000406
5478804176560	547880	4176560	8.113508	8.113508	1.687279	1.687279	FALSE	2.31899626	8.113508	FALSE	1323.42	280	0.03228	0.0000406
5479004176560	547900	4176560	8.11152	8.11152	1.602829	1.602829	FALSE	2.20292818	8.11152	FALSE	1318.52	280	0.03228	0.0000406
5479204176560	547920	4176560	8.109482	8.109482	1.515862	1.515862	FALSE	2.08340073	8.109482	FALSE	1313.90	280	0.03228	0.0000406
5479404176560	547940	4176560	8.10764	8.10764	1.436847	1.436847	FALSE	1.97480252	8.10764	FALSE	1309.56	280	0.03228	0.0000406
5479604176560	547960	4176560	8.106677	8.106677	1.385521	1.385521	FALSE	1.90426006	8.106677	FALSE	1305.52	280	0.03228	0.0000406
5479804176560	547980	4176560	8.106498	8.106498	1.329236	1.329236	FALSE	1.82690196	8.106498	FALSE	1301.78	280	0.03228	0.0000406
5480004176560	548000	4176560	8.106533	8.106533	1.312524	1.312524	FALSE	1.80393299	8.106533	FALSE	1298.33	280	0.03228	0.0000406
5480204176560	548020	4176560	8.107132	8.107132	1.311848	1.311848	FALSE	1.80300389	8.107132	FALSE	1295.18	280	0.03228	0.0000406
5480404176560	548040	4176560	8.107565	8.107565	1.297042	1.297042	FALSE	1.78265452	8.107565	FALSE	1292.33	280	0.03228	0.0000406
5480604176560	548060	4176560	8.107489	8.107489	1.260653	1.260653	FALSE	1.73264148	8.107489	FALSE	1289.79	280	0.03228	0.0000406
5480804176560	548080	4176560	8.108424	8.108424	1.254564	1.254564	FALSE	1.72427276	8.108424	FALSE	1287.55	280	0.03228	0.0000406
5481004176560	548100	4176560	8.110815	8.110815	1.284588	1.284588	FALSE	1.76553775	8.110815	FALSE	1285.62	280	0.03228	0.0000406
5481204176560	548120	4176560	8.113743	8.113743	1.330556	1.330556	FALSE	1.82871617	8.113743	FALSE	1284.00	280	0.03228	0.0000406
5481404176560	548140	4176560	8.118106	8.118106	1.414226	1.414226	FALSE	1.94371221	8.118106	FALSE	1282.69	280	0.03228	0.0000406
5481604176560	548160	4176560	8.124637	8.124637	1.547046	1.547046	FALSE	2.12626002	8.124637	FALSE	1281.69	280	0.03228	0.0000406
5481804176560	548180	4176560	8.145564	8.145564	1.999368	1.999368	FALSE	2.74793138	8.145564	FALSE	1281.00	280	0.03228	0.0000406
5482004176560	548200	4176560	8.171113	8.171113	2.497678	2.497678	FALSE	3.43280864	8.171113	FALSE	1280.62	280	0.03228	0.0000406
5482204176560	548220	4176560	8.139284	8.139284	1.908707	1.908707	FALSE	2.6233269	8.139284	FALSE	1280.55	280	0.03228	0.0000406
5482404176560	548240	4176560	8.126607	8.126607	1.660174	1.660174	FALSE	2.28174315	8.126607	FALSE	1280.80	280	0.03228	0.0000406
5482604176560	548260	4176560	8.11982	8.11982	1.532088	1.532088	FALSE	2.10570175	8.11982	FALSE	1281.36	280	0.03228	0.0000406
5482804176560	548280	4176560	8.116284	8.116284	1.469195	1.469195	FALSE	2.01926161	8.116284	FALSE	1282.23	280	0.03228	0.0000406
5483004176560	548300	4176560	8.115435	8.115435	1.452369	1.452369	FALSE	1.99613595	8.115435	FALSE	1283.41	280	0.03228	0.0000406
5483204176560	548320	4176560	8.120487	8.120487	1.585443	1.585443	FALSE	2.17903286	8.120487	FALSE	1284.91	280	0.03228	0.0000406
5483404176560	548340	4176560	8.119676	8.119676	1.601705	1.601705	FALSE	2.20138335	8.119676	FALSE	1286.71	280	0.03228	0.0000406
5483604176560	548360	4176560	8.116918	8.116918	1.570494	1.570494	FALSE	2.15848695	8.116918	FALSE	1288.82	280	0.03228	0.0000406
5483804176560	548380	4176560	8.118417	8.118417	1.636368	1.636368	FALSE	2.24902418	8.118417	FALSE	1291.23	280	0.03228	0.0000406
5484004176560	548400	4176560	8.125376	8.125376	1.788509	1.788509	FALSE	2.45812677	8.125376	FALSE	1293.95	280	0.03228	0.0000406
5484204176560	548420	4176560	8.121954	8.121954	1.74392	1.74392	FALSE	2.39684365	8.121954	FALSE	1296.98	280	0.03228	0.0000406
5484404176560	548440	4176560	8.119117	8.119117	1.717673	1.717673	FALSE	2.36076977	8.119117	FALSE	1300.30	280	0.03228	0.0000406
5484604176560	548460	4176560	8.119552	8.119552	1.787366	1.787366	FALSE	2.45655583	8.119552	FALSE	1303.92	280	0.03228	0.0000406
5484804176560	548480	4176560	8.119219	8.119219	1.822595	1.822595	FALSE	2.50497457	8.119219	FALSE	1307.84	280	0.03228	0.0000406
5485004176560	548500	4176560	8.120501	8.120501	1.929504	1.929504	FALSE	2.6519103	8.120501	FALSE	1312.05	280	0.03228	0.0000406
5485204176560	548520	4176560	8.122223	8.122223	2.053787	2.053787	FALSE	2.82272485	8.122223	FALSE	1316.56	280	0.03228	0.0000406
5485404176560	548540	4176560	8.124501	8.124501	2.176579	2.176579	FALSE	2.99149018	8.124501	FALSE	1321.34	280	0.03228	0.0000406
5485604176560	548560	4176560	8.127615	8.127615	2.317937	2.317937	FALSE	3.18577261	8.127615	FALSE	1326.42	280	0.03228	0.0000406
5485804176560	548580	4176560	8.129929	8.129929	2.427094	2.427094	FALSE	3.33579799	8.129929	FALSE	1331.77	280	0.03228	0.0000406
5486004176560	548600	4176560	8.129035	8.129035	2.394447	2.394447	FALSE	3.29092796	8.129035	FALSE	1337.40	280	0.03228	0.0000406
5486204176560	548620	4176560	8.126245	8.126245	2.276782	2.276782	FALSE	3.12920918	8.126245	FALSE	1343.31	280	0.03228	0.0000406
5486404176560	548640	4176560	8.123866	8.123866	2.174821	2.174821	FALSE	2.98907398	8.123866	FALSE	1349.49	280	0.03228	0.0000406
5474604176580	547460	4176580	8.202072	8.202072	6.180634	6.180634	FALSE	8.49466337	8.202072	FALSE	1503.39	280	0.03228	0.0000406
5474804176580	547480	4176580	8.234258	8.234258	7.820495	7.820495	FALSE	10.7484883	8.234258	FALSE	1493.46	280	0.03228	0.0000406
5475004176580	547500	4176580	8.292503	8.292503	10.81378	10.81378	FALSE	14.8624579	8.292503	FALSE	1483.73	280	0.03228	0.0000406
5475204176580	547520	4176580	8.434357	8.434357	18.0118	18.0118	FALSE	24.7554234	8.434357	FALSE	1474.20	280	0.03228	0.0000406
5475404176580	547540	4176580	8.495319	8.495319	20.87977	20.87977	FALSE	28.6971518	8.495319	FALSE	1464.89	280	0.03228	0.0000406
5475604176580	547560	4176580	8.320143	8.320143	11.97998	11.97998	FALSE	16.4652873	8.320143	FALSE	1455.80	280	0.03228	0.0000406

5475804176580	547580	4176580	8.259043	8.259043	8.634573	8.634573	FALSE	11.8673571	8.259043	FALSE	1446.92	280	0.03228	0.0000406
5476004176580	547600	4176580	8.229283	8.229283	6.611935	6.611936	FALSE	9.08744484	8.229283	FALSE	1438.27	280	0.03228	0.0000406
5476204176580	547620	4176580	8.235603	8.235603	5.823177	5.823177	FALSE	8.00337447	8.235603	FALSE	1429.84	280	0.03228	0.0000406
5476404176580	547640	4176580	8.181092	8.181092	4.202487	4.202487	FALSE	5.77589813	8.181092	FALSE	1421.65	280	0.03228	0.0000406
5476604176580	547660	4176580	8.149201	8.149201	3.179224	3.179224	FALSE	4.36952547	8.149201	FALSE	1413.69	280	0.03228	0.0000406
5476804176580	547680	4176580	8.131663	8.131663	2.554805	2.554805	FALSE	3.51132399	8.131663	FALSE	1405.97	280	0.03228	0.0000406
5477004176580	547700	4176580	8.126762	8.126762	2.376586	2.376586	FALSE	3.2663798	8.126762	FALSE	1398.49	280	0.03228	0.0000406
5477204176580	547720	4176580	8.122229	8.122229	2.197279	2.197279	FALSE	3.01994026	8.122229	FALSE	1391.26	280	0.03228	0.0000406
5477404176580	547740	4176580	8.118018	8.118018	2.024712	2.024712	FALSE	2.78276417	8.118018	FALSE	1384.28	280	0.03228	0.0000406
5477604176580	547760	4176580	8.114087	8.114087	1.859425	1.859425	FALSE	2.55559372	8.114087	FALSE	1377.56	280	0.03228	0.0000406
5477804176580	547780	4176580	8.110711	8.110711	1.715729	1.715729	FALSE	2.35809794	8.110711	FALSE	1371.10	280	0.03228	0.0000406
5478004176580	547800	4176580	8.107178	8.107178	1.570732	1.570732	FALSE	2.15881406	8.107178	FALSE	1364.90	280	0.03228	0.0000406
5478204176580	547820	4176580	8.106945	8.106945	1.544478	1.544478	FALSE	2.12273056	8.106945	FALSE	1358.96	280	0.03228	0.0000406
5478404176580	547840	4176580	8.10723	8.10723	1.53108	1.53108	FALSE	2.10431635	8.10723	FALSE	1353.30	280	0.03228	0.0000406
5478604176580	547860	4176580	8.105897	8.105897	1.469476	1.469476	FALSE	2.01964781	8.105897	FALSE	1347.90	280	0.03228	0.0000406
5478804176580	547880	4176580	8.104334	8.104334	1.399007	1.399007	FALSE	1.92279522	8.104334	FALSE	1342.79	280	0.03228	0.0000406
5479004176580	547900	4176580	8.103285	8.103285	1.344016	1.344016	FALSE	1.84721559	8.103285	FALSE	1337.95	280	0.03228	0.0000406
5479204176580	547920	4176580	8.102638	8.102638	1.298764	1.298764	FALSE	1.78502124	8.102638	FALSE	1333.39	280	0.03228	0.0000406
5479404176580	547940	4176580	8.102204	8.102204	1.257407	1.257407	FALSE	1.72818018	8.102204	FALSE	1329.13	280	0.03228	0.0000406
5479604176580	547960	4176580	8.102617	8.102617	1.239161	1.239161	FALSE	1.70310288	8.102617	FALSE	1325.14	280	0.03228	0.0000406
5479804176580	547980	4176580	8.103471	8.103471	1.207502	1.207502	FALSE	1.65959075	8.103471	FALSE	1321.45	280	0.03228	0.0000406
5480004176580	548000	4176580	8.103942	8.103942	1.200273	1.200273	FALSE	1.64965521	8.103942	FALSE	1318.06	280	0.03228	0.0000406
5480204176580	548020	4176580	8.104749	8.104749	1.204781	1.204781	FALSE	1.65585101	8.104749	FALSE	1314.96	280	0.03228	0.0000406
5480404176580	548040	4176580	8.105466	8.105466	1.196918	1.196918	FALSE	1.6450441	8.105466	FALSE	1312.15	280	0.03228	0.0000406
5480604176580	548060	4176580	8.107198	8.107198	1.202202	1.202202	FALSE	1.65230643	8.107198	FALSE	1309.65	280	0.03228	0.0000406
5480804176580	548080	4176580	8.111911	8.111911	1.272979	1.272979	FALSE	1.74958234	8.111911	FALSE	1307.44	280	0.03228	0.0000406
5481004176580	548100	4176580	8.122043	8.122043	1.45307	1.45307	FALSE	1.99709941	8.122043	FALSE	1305.54	280	0.03228	0.0000406
5481204176580	548120	4176580	8.13006	8.13006	1.593748	1.593748	FALSE	2.19044725	8.13006	FALSE	1303.95	280	0.03228	0.0000406
5481404176580	548140	4176580	8.131135	8.131135	1.615086	1.615086	FALSE	2.2197742	8.131135	FALSE	1302.65	280	0.03228	0.0000406
5481604176580	548160	4176580	8.143643	8.143643	1.859555	1.859555	FALSE	2.55577239	8.143643	FALSE	1301.67	280	0.03228	0.0000406
5481804176580	548180	4176580	8.19966	8.19966	2.964599	2.964599	FALSE	4.07454487	8.19966	FALSE	1300.99	280	0.03228	0.0000406
5482004176580	548200	4176580	8.146698	8.146698	1.96933	1.96933	FALSE	2.70664715	8.146698	FALSE	1300.62	280	0.03228	0.0000406
5482204176580	548220	4176580	8.133647	8.133647	1.738015	1.738015	FALSE	2.38872782	8.133647	FALSE	1300.55	280	0.03228	0.0000406
5482404176580	548240	4176580	8.125263	8.125263	1.576184	1.576184	FALSE	2.16630729	8.125263	FALSE	1300.80	280	0.03228	0.0000406
5482604176580	548260	4176580	8.119747	8.119747	1.477815	1.477815	FALSE	2.03110894	8.119747	FALSE	1301.35	280	0.03228	0.0000406
5482804176580	548280	4176580	8.116641	8.116641	1.429986	1.429986	FALSE	1.96537276	8.116641	FALSE	1302.21	280	0.03228	0.0000406
5483004176580	548300	4176580	8.117419	8.117419	1.456508	1.456508	FALSE	2.0018246	8.117419	FALSE	1303.37	280	0.03228	0.0000406
5483204176580	548320	4176580	8.120205	8.120205	1.548603	1.548603	FALSE	2.12839996	8.120205	FALSE	1304.84	280	0.03228	0.0000406
5483404176580	548340	4176580	8.115292	8.115292	1.483372	1.483372	FALSE	2.03874648	8.115292	FALSE	1306.61	280	0.03228	0.0000406
5483604176580	548360	4176580	8.115558	8.115558	1.528299	1.528299	FALSE	2.10049415	8.115558	FALSE	1308.69	280	0.03228	0.0000406
5483804176580	548380	4176580	8.118248	8.118248	1.624104	1.624104	FALSE	2.23216854	8.118248	FALSE	1311.07	280	0.03228	0.0000406
5484004176580	548400	4176580	8.11905	8.11905	1.642117	1.642117	FALSE	2.2569256	8.11905	FALSE	1313.75	280	0.03228	0.0000406
5484204176580	548420	4176580	8.120923	8.120923	1.711674	1.711674	FALSE	2.35252475	8.120923	FALSE	1316.73	280	0.03228	0.0000406
5484404176580	548440	4176580	8.119142	8.119142	1.704219	1.704219	FALSE	2.34227859	8.119142	FALSE	1320.00	280	0.03228	0.0000406
5484604176580	548460	4176580	8.119516	8.119516	1.765392	1.765392	FALSE	2.42635476	8.119516	FALSE	1323.57	280	0.03228	0.0000406
5484804176580	548480	4176580	8.119553	8.119553	1.812675	1.812675	FALSE	2.49134052	8.119553	FALSE	1327.43	280	0.03228	0.0000406
5485004176580	548500	4176580	8.1209	8.1209	1.921189	1.921189	FALSE	2.64048216	8.1209	FALSE	1331.58	280	0.03228	0.0000406
5485204176580	548520	4176580	8.122388	8.122388	2.032515	2.032515	FALSE	2.79348862	8.122388	FALSE	1336.02	280	0.03228	0.0000406
5485404176580	548540	4176580	8.12344	8.12344	2.103151	2.103151	FALSE	2.89057073	8.12344	FALSE	1340.74	280	0.03228	0.0000406
5485604176580	548560	4176580	8.125622	8.125622	2.207077	2.207077	FALSE	3.03340663	8.125622	FALSE	1345.74	280	0.03228	0.0000406
5485804176580	548580	4176580	8.127511	8.127511	2.296991	2.296991	FALSE	3.15698443	8.127511	FALSE	1351.01	280	0.03228	0.0000406
5486004176580	548600	4176580	8.126873	8.126873	2.276542	2.276542	FALSE	3.12887932	8.126873	FALSE	1356.57	280	0.03228	0.0000406
5486204176580	548620	4176580	8.12418	8.12418	2.165055	2.165055	FALSE	2.97565159	8.12418	FALSE	1362.39	280	0.03228	0.0000406
5475004176600	547500	4176600	8.418891	8.418891	17.43907	17.43907	FALSE	23.9682619	8.418891	FALSE	1501.29	280	0.03228	0.0000406
5475204176600	547520	4176600	8.471398	8.471398	19.30594	19.30594	FALSE	26.5340798	8.471398	FALSE	1491.88	280	0.03228	0.0000406
5475404176600	547540	4176600	8.315037	8.315037	11.53657	11.53657	FALSE	15.8558549	8.315037	FALSE	1482.68	280	0.03228	0.0000406
5475604176600	547560	4176600	8.247695	8.247695	8.130107	8.130107	FALSE	11.1740191	8.247695	FALSE	1473.69	280	0.03228	0.0000406
5475804176600	547580	4176600	8.204901	8.204901	5.743917	5.743917	FALSE	7.89443952	8.204901	FALSE	1464.92	280	0.03228	0.0000406
5476004176600	547600	4176600	8.207734	8.207734	4.945973	4.945973	FALSE	6.79774529	8.207734	FALSE	1456.38	280	0.03228	0.0000406
5476204176600	547620	4176600	8.191849	8.191849	4.137819	4.137819	FALSE	5.68701843	8.191849	FALSE	1448.06	280	0.03228	0.0000406
5476404176600	547640	4176600	8.144156	8.144156	2.87534	2.87534	FALSE	3.9518673	8.144156	FALSE	1439.96	280	0.03228	0.0000406
5476604176600	547660	4176600	8.125819	8.125819	2.292234	2.292234	FALSE	3.15044641	8.125819	FALSE	1432.11	280	0.03228	0.0000406
5476804176600	547680	4176600	8.115216	8.115216	1.928797	1.928797	FALSE	2.6509386	8.115216	FALSE	1424.49	280	0.03228	0.0000406
5477004176600	547700	4176600	8.112694	8.112694	1.839994	1.839994	FALSE	2.52888775	8.112694	FALSE	1417.11	280	0.03228	0.0000406
5477204176600	547720	4176600	8.109982	8.109982	1.736488	1.736488	FALSE	2.38662911	8.109982	FALSE	1409.98	280	0.03228	0.0000406
5477404176600	547740	4176600	8.107156	8.107156	1.625536	1.625536	FALSE	2.23413668	8.107156	FALSE	1403.09	280	0.03228	0.0000406
5477604176600	547760	4176600	8.105337	8.105337	1.54789	1.54789	FALSE	2.12742002	8.105337	FALSE	1396.46	280	0.03228	0.0000406
5477804176600	547780	4176600	8.103538	8.103538	1.469899	1.469899	FALSE	2.02022919	8.103538	FALSE	1390.08	280	0.03228	0.0000406
5478004176600	547800	4176600	8.101288	8.101288	1.37471	1.37471	FALSE	1.88940142	8.101288	FALSE	1383.97	280	0.03228	0.0000406
5478204176600	547820	4176600	8.100782	8.100782	1.341602	1.341602	FALSE	1.84389779	8.100782	FALSE	1378.11	280	0.03228	0.0000406
5478404176600	547840	4176600	8.100891	8.100891	1.323698	1.323698	FALSE	1.81929053	8.100891	FALSE	1372.53	280	0.03228	0.0000406
5478604176600	547860	4176600	8.099523	8.099523	1.262069	1.262069	FALSE	1.73458763	8.099523	FALSE	1367.21	280	0.03228	0.0000406
5478804176600	547880	4176600	8.097922	8.097922	1.189612	1.189612	FALSE	1.63500273	8.097922	FALSE	1362.17	280	0.03228	0.0000406
5479004176600	547900	4176600	8.097296	8.097296	1.148215	1.148215	FALSE	1.5781067	8.097296	FALSE	1357.40	280	0.03228	0.0000406
5479204176600	547920	4176600	8.097495	8.097495	1.129958	1.129958	FALSE	1.55301428	8.097495	FALSE	1352.91	280	0.03228	0.0000406
5479404176600	547940	4176600	8.098027	8.098027	1.109884	1.109884	FALSE	1.52542457	8.098027	FALSE	1348.70	280	0.03228	0.0000406
5479604176600	547960	4176600	8.101498	8.101498	1.152691	1.152691	FALSE	1.58425851	8.101498	FALSE	1344.78	280	0.03228	0.0000406
5479804176600	547980	4176600	8.108096	8.108096	1.232722	1.232722	FALSE	1.69425312	8.108096	FALSE	1341.14	280	0.03228	0.0000406
5480004176600	548000	4176600	8.108927	8.108927	1.234826	1.234826	FALSE	1.69714485	8.108927	FALSE	1337.80	280	0.03228	0.0000406
5480204176600	548020	4176600	8.107772	8.107772	1.204619	1.204619	FALSE	1.65562835	8.107772	FALSE	1334.74	280	0.03228	0.0000406
5480404176600	548040	4176600	8.107247	8.107247	1.174772	1.174772	FALSE	1.61460664	8.107247	FALSE	1331.98	280	0.03228	0.0000406
5480604176600	548060	4176600	8.109842	8.109842	1.202986	1.202986	FALSE	1.65338396	8.109842	FALSE	1329.51	280	0.03228	0.0000406
5480804176600	548080	4176600	8.120377	8.120377	1.389122	1.389122	FALSE	1.90920928	8.120377	FALSE	1327.34	280	0.03228	0.0000406
5481004176600	548100	4176600	8.134584	8.134584	1.647848	1.647848	FALSE	2.26480229	8.134584	FALSE	1325.47	280	0.03228	0.0000406
5481204176600	548120	4176600	8.132044	8.132044	1.595271	1.595271	FALSE	2.19254046	8.132044	FALSE	1323.89	280	0.03228	0.0000406
5481404176600	548140	4176600	8.138407	8.138407	1.717552	1.717552	FALSE	2.36060347	8.138407	FALSE	1322.62	280	0.03228	0.0000406
5481604176600	548160	4176600	8.168634	8.168634	2.295563	2.295563	FALSE	3.15502179	8.168634	FALSE	1321.65	280	0.03228	0.0000406
5481804176600	548180	4176600	8.151359	8.151359	1.996388	1.996388	FALSE	2.74383567	8.151359	FALSE	1320.98	280	0.03228	0.0000406
5482004176600	548200	4176600	8.168342	8.168342	2.327322	2.327322	FALSE	3.19867136	8.168342	FALSE	1320.62	280	0.03228	0.0000406
5482204176600	548220	4176600	8.146047	8.146047	1.91854	1.91854	FALSE	2.63684138	8.146047	FALSE	1320.55	280	0.03228	0.0000406
5482404176600	548240	4176600	8.135278	8.135278	1.716963	1.716963	FALSE	2.35979395	8.135278	FALSE	1320.79	280	0.03228	0.0000406
5482604176600	548260	4176600	8.127138	8.127138	1.57163	1.57163	FALSE	2.16004827	8.127138	FALSE	1321.34	280	0.03228	0.0000406
5482804176600	548280	4176600	8.121147	8.121147	1.469581	1.469581	FALSE	2.01979213	8.121147	FALSE	1322.18	280	0.03228	0.0000406
5483004176600	548300	4176600	8.119808	8.119808	1.461232	1.461232	FALSE	2.00831726	8.119808	FALSE	1323.33	280	0.03228	0.0000406

5483204176600	548320	4176600	8.120874	8.120874	1.525934	1.525934	FALSE	2.09724369	8.120874	FALSE	1324.78	280	0.03228	0.0000406
5483404176600	548340	4176600	8.114973	8.114973	1.443989	1.443989	FALSE	1.98461848	8.114973	FALSE	1326.52	280	0.03228	0.0000406
5483604176600	548360	4176600	8.115462	8.115462	1.510199	1.510199	FALSE	2.07561751	8.115462	FALSE	1328.57	280	0.03228	0.0000406
5483804176600	548380	4176600	8.119128	8.119128	1.634352	1.634352	FALSE	2.24625339	8.119128	FALSE	1330.91	280	0.03228	0.0000406
5484004176600	548400	4176600	8.125093	8.125093	1.77021	1.77021	FALSE	2.43297662	8.125093	FALSE	1333.55	280	0.03228	0.0000406
5484204176600	548420	4176600	8.120726	8.120726	1.703477	1.703477	FALSE	2.34125879	8.120726	FALSE	1336.49	280	0.03228	0.0000406
5484404176600	548440	4176600	8.119655	8.119655	1.709027	1.709027	FALSE	2.34888671	8.119655	FALSE	1339.71	280	0.03228	0.0000406
5484604176600	548460	4176600	8.119507	8.119507	1.748426	1.748426	FALSE	2.40303669	8.119507	FALSE	1343.23	280	0.03228	0.0000406
5484804176600	548480	4176600	8.119723	8.119723	1.801172	1.801172	FALSE	2.4755308	8.119723	FALSE	1347.03	280	0.03228	0.0000406
5485004176600	548500	4176600	8.120945	8.120945	1.903898	1.903898	FALSE	2.61671741	8.120945	FALSE	1351.12	280	0.03228	0.0000406
5485204176600	548520	4176600	8.122038	8.122038	1.99699	1.99699	FALSE	2.74466306	8.122038	FALSE	1355.49	280	0.03228	0.0000406
5485404176600	548540	4176600	8.122031	8.122031	2.022952	2.022952	FALSE	2.78034523	8.122031	FALSE	1360.15	280	0.03228	0.0000406
5485604176600	548560	4176600	8.12334	8.12334	2.094071	2.094071	FALSE	2.87809118	8.12334	FALSE	1365.07	280	0.03228	0.0000406
5485804176600	548580	4176600	8.124601	8.124601	2.160074	2.160074	FALSE	2.96880571	8.124601	FALSE	1370.28	280	0.03228	0.0000406
5475404176620	547540	4176620	8.225635	8.225635	7.050684	7.050684	FALSE	9.69046009	8.225635	FALSE	1500.52	280	0.03228	0.0000406
5475604176620	547560	4176620	8.184768	8.184768	4.935993	4.935993	FALSE	6.78402878	8.184768	FALSE	1491.64	280	0.03228	0.0000406
5475804176620	547580	4176620	8.171409	8.171409	3.973594	3.973594	FALSE	5.46130759	8.171409	FALSE	1482.98	280	0.03228	0.0000406
5476004176620	547600	4176620	8.197183	8.197183	4.061892	4.061892	FALSE	5.58266436	8.197183	FALSE	1474.53	280	0.03228	0.0000406
5476204176620	547620	4176620	8.146932	8.146932	2.79899	2.79899	FALSE	3.84693186	8.146932	FALSE	1466.32	280	0.03228	0.0000406
5476404176620	547640	4176620	8.124743	8.124743	2.180497	2.180497	FALSE	2.99687508	8.124743	FALSE	1458.33	280	0.03228	0.0000406
5476604176620	547660	4176620	8.113063	8.113063	1.812837	1.812837	FALSE	2.49156317	8.113063	FALSE	1450.57	280	0.03228	0.0000406
5476804176620	547680	4176620	8.105912	8.105912	1.573507	1.573507	FALSE	2.16262802	8.105912	FALSE	1443.05	280	0.03228	0.0000406
5477004176620	547700	4176620	8.103744	8.103744	1.495194	1.495194	FALSE	2.05499463	8.103744	FALSE	1435.76	280	0.03228	0.0000406
5477204176620	547720	4176620	8.10212	8.10212	1.433166	1.433166	FALSE	1.96974335	8.10212	FALSE	1428.72	280	0.03228	0.0000406
5477404176620	547740	4176620	8.100902	8.100902	1.386071	1.386071	FALSE	1.90501598	8.100902	FALSE	1421.93	280	0.03228	0.0000406
5477604176620	547760	4176620	8.099886	8.099886	1.342708	1.342708	FALSE	1.84541788	8.099886	FALSE	1415.39	280	0.03228	0.0000406
5477804176620	547780	4176620	8.098855	8.098855	1.298334	1.298334	FALSE	1.78443025	8.098855	FALSE	1409.10	280	0.03228	0.0000406
5478004176620	547800	4176620	8.097406	8.097406	1.235794	1.235794	FALSE	1.69847527	8.097406	FALSE	1403.06	280	0.03228	0.0000406
5478204176620	547820	4176620	8.097091	8.097091	1.212118	1.212118	FALSE	1.66593498	8.097091	FALSE	1397.29	280	0.03228	0.0000406
5478404176620	547840	4176620	8.09715	8.09715	1.19313	1.19313	FALSE	1.63983787	8.09715	FALSE	1391.78	280	0.03228	0.0000406
5478604176620	547860	4176620	8.095618	8.095618	1.124556	1.124556	FALSE	1.54558977	8.095618	FALSE	1386.54	280	0.03228	0.0000406
5478804176620	547880	4176620	8.094528	8.094528	1.069731	1.069731	FALSE	1.47023829	8.094528	FALSE	1381.56	280	0.03228	0.0000406
5479004176620	547900	4176620	8.094071	8.094071	1.03356	1.03356	FALSE	1.42052486	8.094071	FALSE	1376.86	280	0.03228	0.0000406
5479204176620	547920	4176620	8.094173	8.094173	1.011029	1.011029	FALSE	1.38955826	8.094173	FALSE	1372.44	280	0.03228	0.0000406
5479404176620	547940	4176620	8.094492	8.094492	0.989117	0.989117	FALSE	1.3594424	8.094492	FALSE	1368.29	280	0.03228	0.0000406
5479604176620	547960	4176620	8.09654	8.09654	1.008803	1.008803	FALSE	1.38649884	8.09654	FALSE	1364.42	280	0.03228	0.0000406
5479804176620	547980	4176620	8.103939	8.103939	1.108685	1.108685	FALSE	1.52377666	8.103939	FALSE	1360.84	280	0.03228	0.0000406
5480004176620	548000	4176620	8.12155	8.12155	1.430584	1.430584	FALSE	1.96619465	8.12155	FALSE	1357.54	280	0.03228	0.0000406
5480204176620	548020	4176620	8.114557	8.114557	1.292349	1.292349	FALSE	1.77620447	8.114557	FALSE	1354.53	280	0.03228	0.0000406
5480404176620	548040	4176620	8.117749	8.117749	1.332489	1.332489	FALSE	1.83137288	8.117749	FALSE	1351.81	280	0.03228	0.0000406
5480604176620	548060	4176620	8.117525	8.117525	1.319775	1.319775	FALSE	1.81389876	8.117525	FALSE	1349.38	280	0.03228	0.0000406
5480804176620	548080	4176620	8.127617	8.127617	1.499479	1.499479	FALSE	2.06088394	8.127617	FALSE	1347.24	280	0.03228	0.0000406
5481004176620	548100	4176620	8.108243	8.108243	1.131976	1.131976	FALSE	1.55578781	8.108243	FALSE	1345.39	280	0.03228	0.0000406
5481204176620	548120	4176620	8.105287	8.105287	1.073082	1.073082	FALSE	1.4748439	8.105287	FALSE	1343.84	280	0.03228	0.0000406
5481404176620	548140	4176620	8.111903	8.111903	1.197834	1.197834	FALSE	1.64630305	8.111903	FALSE	1342.59	280	0.03228	0.0000406
5481604176620	548160	4176620	8.136195	8.136195	1.659805	1.659805	FALSE	2.28123599	8.136195	FALSE	1341.64	280	0.03228	0.0000406
5481804176620	548180	4176620	8.159436	8.159436	2.126939	2.126939	FALSE	2.92326496	8.159436	FALSE	1340.98	280	0.03228	0.0000406
5482004176620	548200	4176620	8.242135	8.242135	3.70414	3.70414	FALSE	5.09097002	8.242135	FALSE	1340.62	280	0.03228	0.0000406
5482204176620	548220	4176620	8.216305	8.216305	3.229221	3.229221	FALSE	4.43824134	8.216305	FALSE	1340.55	280	0.03228	0.0000406
5482404176620	548240	4176620	8.202648	8.202648	2.973912	2.973912	FALSE	4.08734465	8.202648	FALSE	1340.79	280	0.03228	0.0000406
5482604176620	548260	4176620	8.168564	8.168564	2.337997	2.337997	FALSE	3.21334308	8.168564	FALSE	1341.32	280	0.03228	0.0000406
5482804176620	548280	4176620	8.14575	8.14575	1.916551	1.916551	FALSE	2.63410769	8.14575	FALSE	1342.16	280	0.03228	0.0000406
5483004176620	548300	4176620	8.127751	8.127751	1.586037	1.586037	FALSE	2.17984925	8.127751	FALSE	1343.29	280	0.03228	0.0000406
5483204176620	548320	4176620	8.123021	8.123021	1.541489	1.541489	FALSE	2.11862248	8.123021	FALSE	1344.71	280	0.03228	0.0000406
5483404176620	548340	4176620	8.119694	8.119694	1.534414	1.534414	FALSE	2.1088986	8.119694	FALSE	1346.43	280	0.03228	0.0000406
5483604176620	548360	4176620	8.118463	8.118463	1.580011	1.580011	FALSE	2.17156712	8.118463	FALSE	1348.45	280	0.03228	0.0000406
5483804176620	548380	4176620	8.121056	8.121056	1.68579	1.68579	FALSE	2.31694978	8.121056	FALSE	1350.76	280	0.03228	0.0000406
5484004176620	548400	4176620	8.120635	8.120635	1.68528	1.68528	FALSE	2.31624883	8.120635	FALSE	1353.36	280	0.03228	0.0000406
5484204176620	548420	4176620	8.124765	8.124765	1.800086	1.800086	FALSE	2.4740382	8.124765	FALSE	1356.25	280	0.03228	0.0000406
5484404176620	548440	4176620	8.122689	8.122689	1.781564	1.781564	FALSE	2.44858156	8.122689	FALSE	1359.43	280	0.03228	0.0000406
5484604176620	548460	4176620	8.122258	8.122258	1.816357	1.816357	FALSE	2.49640106	8.122258	FALSE	1362.90	280	0.03228	0.0000406
5484804176620	548480	4176620	8.121443	8.121443	1.828717	1.828717	FALSE	2.51338864	8.121443	FALSE	1366.64	280	0.03228	0.0000406
5485004176620	548500	4176620	8.121875	8.121875	1.895879	1.895879	FALSE	2.6056961	8.121875	FALSE	1370.68	280	0.03228	0.0000406
5485204176620	548520	4176620	8.122242	8.122242	1.95938	1.95938	FALSE	2.69297187	8.122242	FALSE	1374.99	280	0.03228	0.0000406
5485404176620	548540	4176620	8.121884	8.121884	1.976346	1.976346	FALSE	2.71628994	8.121884	FALSE	1379.57	280	0.03228	0.0000406
5475804176640	547580	4176640	8.158229	8.158229	3.192201	3.192201	FALSE	4.38736105	8.158229	FALSE	1501.08	280	0.03228	0.0000406
5476004176640	547600	4176640	8.180129	8.180129	3.392547	3.392547	FALSE	4.6627166	8.180129	FALSE	1492.74	280	0.03228	0.0000406
5476204176640	547620	4176640	8.130828	8.130828	2.250631	2.250631	FALSE	3.09326725	8.130828	FALSE	1484.62	280	0.03228	0.0000406
5476404176640	547640	4176640	8.114772	8.114772	1.814733	1.814733	FALSE	2.49416904	8.114772	FALSE	1476.73	280	0.03228	0.0000406
5476604176640	547660	4176640	8.105442	8.105442	1.528583	1.528583	FALSE	2.10088448	8.105442	FALSE	1469.07	280	0.03228	0.0000406
5476804176640	547680	4176640	8.0998	8.0998	1.341706	1.341706	FALSE	1.84404073	8.0998	FALSE	1461.65	280	0.03228	0.0000406
5477004176640	547700	4176640	8.09781	8.09781	1.268614	1.268614	FALSE	1.74358308	8.09781	FALSE	1454.46	280	0.03228	0.0000406
5477204176640	547720	4176640	8.096657	8.096657	1.223041	1.223041	FALSE	1.68094755	8.096657	FALSE	1447.51	280	0.03228	0.0000406
5477404176640	547740	4176640	8.096094	8.096094	1.200357	1.200357	FALSE	1.64977066	8.096094	FALSE	1440.80	280	0.03228	0.0000406
5477604176640	547760	4176640	8.095495	8.095495	1.173044	1.173044	FALSE	1.61223167	8.095495	FALSE	1434.34	280	0.03228	0.0000406
5477804176640	547780	4176640	8.09491	8.09491	1.146845	1.146845	FALSE	1.57622377	8.09491	FALSE	1428.14	280	0.03228	0.0000406
5478004176640	547800	4176640	8.093956	8.093956	1.104499	1.104499	FALSE	1.51802343	8.093956	FALSE	1422.18	280	0.03228	0.0000406
5478204176640	547820	4176640	8.093706	8.093706	1.084534	1.084534	FALSE	1.49058353	8.093706	FALSE	1416.49	280	0.03228	0.0000406
5478404176640	547840	4176640	8.093877	8.093877	1.070436	1.070436	FALSE	1.47120724	8.093877	FALSE	1411.05	280	0.03228	0.0000406
5478604176640	547860	4176640	8.092439	8.092439	1.007624	1.007624	FALSE	1.38487843	8.092439	FALSE	1405.88	280	0.03228	0.0000406
5478804176640	547880	4176640	8.091427	8.091427	0.961108	0.961108	FALSE	1.32094684	8.091427	FALSE	1400.98	280	0.03228	0.0000406
5479004176640	547900	4176640	8.090594	8.090594	0.922974	0.922974	FALSE	1.26853547	8.090594	FALSE	1396.34	280	0.03228	0.0000406
5479204176640	547920	4176640	8.089716	8.089716	0.8858	0.8858	FALSE	1.21744352	8.089716	FALSE	1391.98	280	0.03228	0.0000406
5479404176640	547940	4176640	8.088078	8.088078	0.836583	0.836583	FALSE	1.14979968	8.088078	FALSE	1387.89	280	0.03228	0.0000406
5479604176640	547960	4176640	8.087376	8.087376	0.810001	0.810001	FALSE	1.11326537	8.087376	FALSE	1384.08	280	0.03228	0.0000406
5479804176640	547980	4176640	8.088001	8.088001	0.785466	0.785466	FALSE	1.07954447	8.088001	FALSE	1380.55	280	0.03228	0.0000406
5480004176640	548000	4176640	8.089503	8.089503	0.80667	0.80667	FALSE	1.10868725	8.089503	FALSE	1377.29	280	0.03228	0.0000406
5480204176640	548020	4176640	8.092978	8.092978	0.866833	0.866833	FALSE	1.19137528	8.092978	FALSE	1374.33	280	0.03228	0.0000406
5480404176640	548040	4176640	8.100649	8.100649	0.991892	0.991892	FALSE	1.36325636	8.100649	FALSE	1371.64	280	0.03228	0.0000406
5480604176640	548060	4176640	8.101912	8.101912	1.01004	1.01004	FALSE	1.38819898	8.101912	FALSE	1369.25	280	0.03228	0.0000406
5480804176640	548080	4176640	8.095945	8.095945	0.893402	0.893402	FALSE	1.22789171	8.095945	FALSE	1367.14	280	0.03228	0.0000406
5481004176640	548100	4176640	8.092207	8.092207	0.819775	0.819775	FALSE	1.12669876	8.092207	FALSE	1365.32	280	0.03228	0.0000406
5481204176640	548120	4176640	8.092333	8.092333	0.818976	0.818976	FALSE	1.12560061	8.092333	FALSE	1363.80	280	0.03228	0.0000406
5481404176640	548140	4176640	8.094093	8.094093	0.850721	0.850721	FALSE	1.16923094	8.094093	FALSE	1362.56	280	0.03228	0.0000406

5481604176640	548160	4176640	8.097903	8.097903	0.921067	0.921067	FALSE	1.26591448	8.097903	FALSE	1361.62	280	0.03228	0.0000406
5481804176640	548180	4176640	8.104305	8.104305	1.061974	1.061974	FALSE	1.45957707	8.104305	FALSE	1360.97	280	0.03228	0.0000406
5482004176640	548200	4176640	8.123134	8.123134	1.421059	1.421059	FALSE	1.95310349	8.123134	FALSE	1360.61	280	0.03228	0.0000406
5482204176640	548220	4176640	8.14419	8.14419	1.831556	1.831556	FALSE	2.51729057	8.14419	FALSE	1360.55	280	0.03228	0.0000406
5482404176640	548240	4176640	8.150927	8.150927	1.969468	1.969468	FALSE	2.70683682	8.150927	FALSE	1360.79	280	0.03228	0.0000406
5482604176640	548260	4176640	8.152903	8.152903	2.023429	2.023429	FALSE	2.78100082	8.152903	FALSE	1361.31	280	0.03228	0.0000406
5482804176640	548280	4176640	8.178706	8.178706	2.534287	2.534287	FALSE	3.48312405	8.178706	FALSE	1362.13	280	0.03228	0.0000406
5483004176640	548300	4176640	8.153923	8.153923	2.070538	2.070538	FALSE	2.84574743	8.153923	FALSE	1363.25	280	0.03228	0.0000406
5483204176640	548320	4176640	8.134868	8.134868	1.763935	1.763935	FALSE	2.42435226	8.134868	FALSE	1364.65	280	0.03228	0.0000406
5483404176640	548340	4176640	8.126419	8.126419	1.6708	1.6708	FALSE	2.29634752	8.126419	FALSE	1366.35	280	0.03228	0.0000406
5483604176640	548360	4176640	8.121803	8.121803	1.656188	1.656188	FALSE	2.27626479	8.121803	FALSE	1368.33	280	0.03228	0.0000406
5483804176640	548380	4176640	8.121918	8.121918	1.711584	1.711584	FALSE	2.35240105	8.121918	FALSE	1370.61	280	0.03228	0.0000406
5484004176640	548400	4176640	8.124331	8.124331	1.773629	1.773629	FALSE	2.4376757	8.124331	FALSE	1373.17	280	0.03228	0.0000406
5484204176640	548420	4176640	8.136307	8.136307	2.058104	2.058104	FALSE	2.82865814	8.136307	FALSE	1376.02	280	0.03228	0.0000406
5484404176640	548440	4176640	8.131393	8.131393	1.970617	1.970617	FALSE	2.708416	8.131393	FALSE	1379.16	280	0.03228	0.0000406
5484604176640	548460	4176640	8.129247	8.129247	1.958424	1.958424	FALSE	2.69165795	8.129247	FALSE	1382.57	280	0.03228	0.0000406
5484804176640	548480	4176640	8.126968	8.126968	1.92085	1.92085	FALSE	2.64001624	8.126968	FALSE	1386.27	280	0.03228	0.0000406
5476404176660	547640	4176660	8.108554	8.108554	1.586812	1.586812	FALSE	2.18091441	8.108554	FALSE	1495.18	280	0.03228	0.0000406
5476604176660	547660	4176660	8.100809	8.100809	1.352432	1.352432	FALSE	1.85878254	8.100809	FALSE	1487.61	280	0.03228	0.0000406
5476804176660	547680	4176660	8.095734	8.095734	1.188753	1.188753	FALSE	1.63382212	8.095734	FALSE	1480.28	280	0.03228	0.0000406
5477004176660	547700	4176660	8.093767	8.093767	1.118418	1.118418	FALSE	1.5371537	8.093767	FALSE	1473.18	280	0.03228	0.0000406
5477204176660	547720	4176660	8.092701	8.092701	1.076457	1.076457	FALSE	1.4794825	8.092701	FALSE	1466.32	280	0.03228	0.0000406
5477404176660	547740	4176660	8.092305	8.092305	1.058804	1.058804	FALSE	1.45522022	8.092305	FALSE	1459.70	280	0.03228	0.0000406
5477604176660	547760	4176660	8.091866	8.091866	1.036355	1.036355	FALSE	1.42436631	8.091866	FALSE	1453.33	280	0.03228	0.0000406
5477804176660	547780	4176660	8.091445	8.091445	1.017408	1.017408	FALSE	1.39832556	8.091445	FALSE	1447.20	280	0.03228	0.0000406
5478004176660	547800	4176660	8.090697	8.090697	0.985234	0.985234	FALSE	1.35410561	8.090697	FALSE	1441.33	280	0.03228	0.0000406
5478204176660	547820	4176660	8.090348	8.090348	0.964487	0.964487	FALSE	1.32559093	8.090348	FALSE	1435.71	280	0.03228	0.0000406
5478404176660	547840	4176660	8.090472	8.090472	0.954901	0.954901	FALSE	1.31241593	8.090472	FALSE	1430.35	280	0.03228	0.0000406
5478604176660	547860	4176660	8.088945	8.088945	0.899857	0.899857	FALSE	1.23676346	8.088945	FALSE	1425.25	280	0.03228	0.0000406
5478804176660	547880	4176660	8.087344	8.087344	0.84978	0.84978	FALSE	1.16793763	8.087344	FALSE	1420.41	280	0.03228	0.0000406
5479004176660	547900	4176660	8.085783	8.085783	0.805119	0.805119	FALSE	1.10655555	8.085783	FALSE	1415.84	280	0.03228	0.0000406
5479204176660	547920	4176660	8.084198	8.084198	0.760811	0.760811	FALSE	1.04565864	8.084198	FALSE	1411.53	280	0.03228	0.0000406
5479404176660	547940	4176660	8.082391	8.082391	0.715158	0.715158	FALSE	0.98291316	8.082391	FALSE	1407.50	280	0.03228	0.0000406
5479604176660	547960	4176660	8.081386	8.081386	0.685931	0.685931	FALSE	0.94274357	8.081386	FALSE	1403.74	280	0.03228	0.0000406
5479804176660	547980	4176660	8.081127	8.081127	0.646496	0.646496	FALSE	0.8885441	8.081127	FALSE	1400.26	280	0.03228	0.0000406
5480004176660	548000	4176660	8.081229	8.081229	0.642494	0.642494	FALSE	0.88304375	8.081229	FALSE	1397.05	280	0.03228	0.0000406
5480204176660	548020	4176660	8.081769	8.081769	0.648074	0.648074	FALSE	0.89071291	8.081769	FALSE	1394.13	280	0.03228	0.0000406
5480404176660	548040	4176660	8.081833	8.081833	0.630418	0.630418	FALSE	0.8664465	8.081833	FALSE	1391.48	280	0.03228	0.0000406
5480604176660	548060	4176660	8.082467	8.082467	0.63827	0.63827	FALSE	0.87723829	8.082467	FALSE	1389.12	280	0.03228	0.0000406
5480804176660	548080	4176660	8.082712	8.082712	0.638972	0.638972	FALSE	0.87820312	8.082712	FALSE	1387.05	280	0.03228	0.0000406
5481004176660	548100	4176660	8.083473	8.083473	0.650521	0.650521	FALSE	0.89407606	8.083473	FALSE	1385.25	280	0.03228	0.0000406
5481204176660	548120	4176660	8.084552	8.084552	0.666919	0.666919	FALSE	0.91661347	8.084552	FALSE	1383.75	280	0.03228	0.0000406
5481404176660	548140	4176660	8.085899	8.085899	0.690216	0.690216	FALSE	0.94863287	8.085899	FALSE	1382.53	280	0.03228	0.0000406
5481604176660	548160	4176660	8.087546	8.087546	0.719313	0.719313	FALSE	0.98862379	8.087546	FALSE	1381.60	280	0.03228	0.0000406
5481804176660	548180	4176660	8.089195	8.089195	0.76785	0.76785	FALSE	1.05533304	8.089195	FALSE	1380.96	280	0.03228	0.0000406
5482004176660	548200	4176660	8.093211	8.093211	0.84215	0.84215	FALSE	1.15745096	8.093211	FALSE	1380.61	280	0.03228	0.0000406
5482204176660	548220	4176660	8.10318	8.10318	1.035834	1.035834	FALSE	1.42365025	8.10318	FALSE	1380.55	280	0.03228	0.0000406
5482404176660	548240	4176660	8.111469	8.111469	1.201912	1.201912	FALSE	1.65190785	8.111469	FALSE	1380.78	280	0.03228	0.0000406
5482604176660	548260	4176660	8.119245	8.119245	1.365903	1.365903	FALSE	1.87729708	8.119245	FALSE	1381.30	280	0.03228	0.0000406
5482804176660	548280	4176660	8.135553	8.135553	1.695156	1.695156	FALSE	2.32982241	8.135553	FALSE	1382.11	280	0.03228	0.0000406
5483004176660	548300	4176660	8.23072	8.23072	3.536979	3.536979	FALSE	4.86122394	8.23072	FALSE	1383.21	280	0.03228	0.0000406
5483204176660	548320	4176660	8.169962	8.169962	2.442165	2.442165	FALSE	3.35651158	8.169962	FALSE	1384.59	280	0.03228	0.0000406
5483404176660	548340	4176660	8.13434	8.13434	1.826586	1.826586	FALSE	2.5104598	8.13434	FALSE	1386.26	280	0.03228	0.0000406
5483604176660	548360	4176660	8.123765	8.123765	1.69329	1.69329	FALSE	2.32725778	8.123765	FALSE	1388.22	280	0.03228	0.0000406
5483804176660	548380	4176660	8.121593	8.121593	1.700636	1.700636	FALSE	2.33735412	8.121593	FALSE	1390.47	280	0.03228	0.0000406
5484004176660	548400	4176660	8.12079	8.12079	1.692054	1.692054	FALSE	2.32555902	8.12079	FALSE	1392.99	280	0.03228	0.0000406
5484204176660	548420	4176660	8.121868	8.121868	1.734122	1.734122	FALSE	2.38337728	8.121868	FALSE	1395.80	280	0.03228	0.0000406
5477204176680	547720	4176680	8.090489	8.090489	1.000303	1.000303	FALSE	1.37481644	8.090489	FALSE	1485.17	280	0.03228	0.0000406
5477404176680	547740	4176680	8.089929	8.089929	0.978134	0.978134	FALSE	1.34434737	8.089929	FALSE	1478.63	280	0.03228	0.0000406
5477604176680	547760	4176680	8.08909	8.08909	0.944246	0.944246	FALSE	1.2977717	8.08909	FALSE	1472.34	280	0.03228	0.0000406
5477804176680	547780	4176680	8.088496	8.088496	0.922436	0.922436	FALSE	1.26779604	8.088496	FALSE	1466.29	280	0.03228	0.0000406
5478004176680	547800	4176680	8.08779	8.08779	0.895345	0.895345	FALSE	1.23056217	8.08779	FALSE	1460.50	280	0.03228	0.0000406
5478204176680	547820	4176680	8.086678	8.086678	0.859314	0.859314	FALSE	1.18104116	8.086678	FALSE	1454.95	280	0.03228	0.0000406
5478404176680	547840	4176680	8.086287	8.086287	0.844022	0.844022	FALSE	1.16002384	8.086287	FALSE	1449.66	280	0.03228	0.0000406
5478604176680	547860	4176680	8.084615	8.084615	0.793772	0.793772	FALSE	1.09096024	8.084615	FALSE	1444.63	280	0.03228	0.0000406
5478804176680	547880	4176680	8.082959	8.082959	0.749245	0.749245	FALSE	1.02976233	8.082959	FALSE	1439.86	280	0.03228	0.0000406
5479004176680	547900	4176680	8.08167	8.08167	0.714546	0.714546	FALSE	0.98207202	8.08167	FALSE	1435.35	280	0.03228	0.0000406
5479204176680	547920	4176680	8.080585	8.080585	0.683392	0.683392	FALSE	0.93925396	8.080585	FALSE	1431.10	280	0.03228	0.0000406
5479404176680	547940	4176680	8.079627	8.079627	0.656516	0.656516	FALSE	0.90231559	8.079627	FALSE	1427.12	280	0.03228	0.0000406
5479604176680	547960	4176680	8.078934	8.078934	0.633692	0.633692	FALSE	0.87094628	8.078934	FALSE	1423.42	280	0.03228	0.0000406
5479804176680	547980	4176680	8.078548	8.078548	0.59224	0.59224	FALSE	0.81397466	8.078548	FALSE	1419.98	280	0.03228	0.0000406
5480004176680	548000	4176680	8.078479	8.078479	0.585472	0.585472	FALSE	0.80467272	8.078479	FALSE	1416.82	280	0.03228	0.0000406
5480204176680	548020	4176680	8.078796	8.078796	0.587542	0.587542	FALSE	0.80751772	8.078796	FALSE	1413.94	280	0.03228	0.0000406
5480404176680	548040	4176680	8.078684	8.078684	0.567294	0.567294	FALSE	0.77968887	8.078684	FALSE	1411.33	280	0.03228	0.0000406
5480604176680	548060	4176680	8.079361	8.079361	0.576593	0.576593	FALSE	0.79246942	8.079361	FALSE	1409.00	280	0.03228	0.0000406
5480804176680	548080	4176680	8.079827	8.079827	0.581576	0.581576	FALSE	0.79931805	8.079827	FALSE	1406.95	280	0.03228	0.0000406
5481004176680	548100	4176680	8.080811	8.080811	0.597612	0.597612	FALSE	0.82135793	8.080811	FALSE	1405.19	280	0.03228	0.0000406
5481204176680	548120	4176680	8.081703	8.081703	0.610458	0.610458	FALSE	0.83901348	8.081703	FALSE	1403.70	280	0.03228	0.0000406
5481404176680	548140	4176680	8.082496	8.082496	0.623261	0.623261	FALSE	0.85660992	8.082496	FALSE	1402.50	280	0.03228	0.0000406
5481604176680	548160	4176680	8.083148	8.083148	0.633093	0.633093	FALSE	0.87012302	8.083148	FALSE	1401.59	280	0.03228	0.0000406
5481804176680	548180	4176680	8.084222	8.084222	0.669877	0.669877	FALSE	0.92067895	8.084222	FALSE	1400.96	280	0.03228	0.0000406
5482004176680	548200	4176680	8.086322	8.086322	0.707084	0.707084	FALSE	0.97181625	8.086322	FALSE	1400.61	280	0.03228	0.0000406
5482204176680	548220	4176680	8.092148	8.092148	0.819789	0.819789	FALSE	1.126718	8.092148	FALSE	1400.55	280	0.03228	0.0000406
5482404176680	548240	4176680	8.099264	8.099264	0.962294	0.962294	FALSE	1.32257687	8.099264	FALSE	1400.78	280	0.03228	0.0000406
5482604176680	548260	4176680	8.106726	8.106726	1.121046	1.121046	FALSE	1.54076562	8.106726	FALSE	1401.29	280	0.03228	0.0000406
5482804176680	548280	4176680	8.11566	8.11566	1.314331	1.314331	FALSE	1.80641653	8.11566	FALSE	1402.09	280	0.03228	0.0000406
5483004176680	548300	4176680	8.137842	8.137842	1.768436	1.768436	FALSE	2.43053844	8.137842	FALSE	1403.17	280	0.03228	0.0000406
5483204176680	548320	4176680	8.148888	8.148888	2.022246	2.022246	FALSE	2.7793749	8.148888	FALSE	1404.53	280	0.03228	0.0000406
5483404176680	548340	4176680	8.130789	8.130789	1.734451	1.734451	FALSE	2.38382945	8.130789	FALSE	1406.18	280	0.03228	0.0000406
5483604176680	548360	4176680	8.120753	8.120753	1.611802	1.611802	FALSE	2.21526067	8.120753	FALSE	1408.11	280	0.03228	0.0000406
5478204176700	547820	4176700	8.083339	8.083339	0.778044	0.778044	FALSE	1.06934367	8.083339	FALSE	1474.21	280	0.03228	0.0000406
5478404176700	547840	4176700	8.082869	8.082869	0.764317	0.764317	FALSE	1.05047728	8.082869	FALSE	1468.99	280	0.03228	0.0000406
5478604176700	547860	4176700	8.081474	8.081474	0.722737	0.722737	FALSE	0.99332973	8.081474	FALSE	1464.03	280	0.03228	0.0000406
5478804176700	547880	4176700	8.080129	8.080129	0.686984	0.686984	FALSE	0.94419081	8.080129	FALSE	1459.32	280	0.03228	0.0000406

5479004176700	547900	4176700	8.0792	8.0792	0.66062	0.66062	FALSE	0.90795613	8.0792	FALSE	1454.87	280	0.03228	0.0000406
5479204176700	547920	4176700	8.078445	8.078445	0.63626	0.63626	FALSE	0.87447574	8.078445	FALSE	1450.68	280	0.03228	0.0000406
5479404176700	547940	4176700	8.077863	8.077863	0.617704	0.617704	FALSE	0.84897238	8.077863	FALSE	1446.76	280	0.03228	0.0000406
5479604176700	547960	4176700	8.077353	8.077353	0.598715	0.598715	FALSE	0.8228739	8.077353	FALSE	1443.10	280	0.03228	0.0000406
5479804176700	547980	4176700	8.077009	8.077009	0.558299	0.558299	FALSE	0.76732615	8.077009	FALSE	1439.71	280	0.03228	0.0000406
5480004176700	548000	4176700	8.077028	8.077028	0.553795	0.553795	FALSE	0.76113585	8.077028	FALSE	1436.59	280	0.03228	0.0000406
5480204176700	548020	4176700	8.077381	8.077381	0.557397	0.557397	FALSE	0.76608644	8.077381	FALSE	1433.75	280	0.03228	0.0000406
5480404176700	548040	4176700	8.077372	8.077372	0.539531	0.539531	FALSE	0.74153141	8.077372	FALSE	1431.18	280	0.03228	0.0000406
5480604176700	548060	4176700	8.078055	8.078055	0.549863	0.549863	FALSE	0.75573171	8.078055	FALSE	1428.88	280	0.03228	0.0000406
5480804176700	548080	4176700	8.078504	8.078504	0.554362	0.554362	FALSE	0.76191513	8.078504	FALSE	1426.86	280	0.03228	0.0000406
5481004176700	548100	4176700	8.07946	8.07946	0.569621	0.569621	FALSE	0.7828871	8.07946	FALSE	1425.12	280	0.03228	0.0000406
5481204176700	548120	4176700	8.080319	8.080319	0.581643	0.581643	FALSE	0.79941014	8.080319	FALSE	1423.66	280	0.03228	0.0000406
5481404176700	548140	4176700	8.080899	8.080899	0.590597	0.590597	FALSE	0.81171652	8.080899	FALSE	1422.48	280	0.03228	0.0000406
5481604176700	548160	4176700	8.081214	8.081214	0.594451	0.594451	FALSE	0.81701345	8.081214	FALSE	1421.57	280	0.03228	0.0000406
5481804176700	548180	4176700	8.081983	8.081983	0.624985	0.624985	FALSE	0.85897938	8.081983	FALSE	1420.95	280	0.03228	0.0000406
5482004176700	548200	4176700	8.083305	8.083305	0.647276	0.647276	FALSE	0.88961613	8.083305	FALSE	1420.61	280	0.03228	0.0000406
5482204176700	548220	4176700	8.087468	8.087468	0.727319	0.727319	FALSE	0.99962723	8.087468	FALSE	1420.55	280	0.03228	0.0000406
5482404176700	548240	4176700	8.093809	8.093809	0.855563	0.855563	FALSE	1.17588579	8.093809	FALSE	1420.78	280	0.03228	0.0000406

B4 BAAQMD Sources

Balboa Reservoir - HRA

Additional BAAQMD Sources

Last Updated: 1/7/2019

Notes/methods/assumptions:

Estimates health risk values at maximally impacted receptor points for new BAAQMD permitted sources not part of the 2012 CRRP-HRA
Only one source is not included in the CRRP-HRA: Plant ID #21910 (SFFD)

Sources:

Email from Areana Flores @ BAAQMD on 12/28/18
Balboa Reservoir SSIF 2018_af
Diesel IC Engine Multiplier Tool

Health Risk Data from BAAQMD

Facility Name	Address	Plant No.	Cancer Risk	Hazard Risk	PM2.5	UTM Coord X	UTM Coord Y
San Francisco Fire Dept. (No. 15)	1000 Ocean Ave	21910	0.807	0.001521	0.001015	548214.2	4175279

BAAQMD IC Engine Multiplier Tool

Distance (meters)	Distance (feet)	Distance Adjustment Multiplier	Enter Cancer Risk Estimate	Adjusted Cancer Risk Estimate	Enter PM2.5 Concentration	Adjusted PM2.5 Concentration
25	82	0.85	0.807	0.68595	0.001015	0.00086275
30	98.4	0.73	0.807	0.58911	0.001015	0.00074095
35	115	0.64	0.807	0.51648	0.001015	0.0006496
40	131	0.58	0.807	0.46806	0.001015	0.0005887
50	164	0.5	0.807	0.4035	0.001015	0.0005075
60	197	0.41	0.807	0.33087	0.001015	0.00041615
70	230	0.31	0.807	0.25017	0.001015	0.00031465
80	262	0.28	0.807	0.22596	0.001015	0.0002842
90	295	0.25	0.807	0.20175	0.001015	0.00025375
100	328	0.22	0.807	0.17754	0.001015	0.0002233
110	361	0.18	0.807	0.14526	0.001015	0.0001827
120	394	0.16	0.807	0.12912	0.001015	0.0001624
130	426	0.15	0.807	0.12105	0.001015	0.00015225
140	459	0.14	0.807	0.11298	0.001015	0.0001421
150	492	0.12	0.807	0.09684	0.001015	0.0001218
160	525	0.1	0.807	0.0807	0.001015	0.0001015
180	590	0.09	0.807	0.07263	0.001015	0.00009135
200	656	0.08	0.807	0.06456	0.001015	0.0000812
220	722	0.07	0.807	0.05649	0.001015	0.00007105
240	787	0.06	0.807	0.04842	0.001015	0.0000609
260	853	0.05	0.807	0.04035	0.001015	0.00005075
280	918	0.04	0.807	0.03228	0.001015	0.0000406
1	*2*	*3*	*4*	*5*	*6*	*7*

B5 TOG Speciation

Balboa Reservoir - HRA

TOG Speciation and Risk Factors

Last Updated: 12/20/2018

Notes/methods/assumptions:

Calculates weighted cancer potency factors and non-cancer chronic risk factors for TACs within TOG emissions from light-duty vehicles
Uses speciation data from BAAQMD HRA procedures
Uses the latest cancer potency factors and non-cancer chronic reference doses from OEHHA/ARB
Factors are calculated separately for exhaust and evaporative TOG emissions

Sources:

TOG Speciation:	BAAQMD 2012 Recommended Methods for Screening and Modeling Local Risks and Hazards, Tables 14 and 15 -- http://www.baaqmd.gov/~/media/Files/Planning%20and%20Research/CEQA/BAAQMD%20Modeling%20Approach.ashx
Inhalation Cancer Potency Factors	Table 1: CONSOLIDATED TABLE OF OEHHA/ARB APPROVED RISK ASSESSMENT HEALTH VALUES -- https://www.arb.ca.gov/toxics/healthval/contable.pdf
Chronic Non-Cancer Reference Dose	Table 1: CONSOLIDATED TABLE OF OEHHA/ARB APPROVED RISK ASSESSMENT HEALTH VALUES -- https://www.arb.ca.gov/toxics/healthval/contable.pdf

TOG Exhaust

Toxic Compounds	EMFAC Gasoline TOG Speciation (% TOG)	Inhalation Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$	Weighted Inhalation Cancer Potency Factor $(mg/kg\text{-}day)^{-1}$	Chronic Non-Cancer Reference Dose $(\mu g/m^3)$	Unit Chronic Non-Cancer Risk Weighted Factor $(\mu g/m^3)$
Acetaldehyde	0.28%	1.0E-02	2.80E-05	1.4E+02	3.92E-01
Acrolein	0.13%		0.00E+00	3.5E-01	4.55E-04
Benzene	2.47%	1.0E-01	2.47E-03	3.0E+00	7.41E-02
1,3-Butadiene	0.55%	6.0E-01	3.30E-03	2.0E+00	1.10E-02
Ethylbenzene	1.05%	8.7E-03	9.14E-05	2.0E+03	2.10E+01
Formaldehyde	1.58%	2.1E-02	3.32E-04	9.0E+00	1.42E-01
Hexane	1.60%		0.00E+00	7.0E+03	1.12E+02
Methanol	0.12%		0.00E+00	4.0E+03	4.80E+00
Methyl Ethyl Ketone	0.02%		0.00E+00		0.00E+00
Naphthalene	0.05%	1.2E-01	6.00E-05	9.0E+00	4.50E-03
Propylene	3.06%		0.00E+00	3.0E+03	9.18E+01
Styrene	0.12%		0.00E+00	9.0E+02	1.08E+00
Toluene	5.76%		0.00E+00	3.0E+02	1.73E+01
Xylenes	4.80%		0.00E+00	7.0E+02	3.36E+01
		Toxicity weighted factor	**6.28E-03**		**2.82E+02**

TOG Evaporative

Toxic Compounds	EMFAC Gasoline TOG Speciation (% TOG)	Inhalation Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$	Weighted Inhalation Cancer Potency Factor $(mg/kg\text{-}day)^{-1}$	Chronic Non-Cancer Reference Dose $(\mu g/m^3)$	Unit Chronic Non-Cancer Risk Weighted Factor $(\mu g/m^3)$
Benzene	0.36%	0.1	3.60E-04	3	0.0108
Ethylbenzene	0.12%	8.70E-03	1.04E-05	2000	2.4000
Hexane	1.54%	0	0.00E+00	7000	107.8000
Toluene	1.70%	0	0.00E+00	300	5.1000
Xylenes	0.58%	0	0.00E+00	700	4.0600
		Toxicity weighted factor	**3.70E-04**		**1.19E+02**

B6 TOG Emissions Splits

Balboa Reservoir - HRA

TOG/ROG Emissions Ratios for light-duty Vehicles

Last Updated: 1/3/2019

Notes/methods/assumptions:

This is needed to split total TOG emissions from operational mobile sources (light-duty gasoline vehicles) into exhaust and evaporative emissions for the cancer calcs
Also needed to calculate TOG emissions from ROG emissions for LD mobile sources from CalEEMod, as CalEEMod only outputs ROG
The TOG speciation profiles for TOG TACs are different for exhaust vs. evap
Used default CalEEMod (v2016.3.2) emission rates (from EMFAC2014) and fleet mix (adjusted for LD vehicles only) to determine emission fractions
Used # of trips and VMT from traffic report and CalEEMod run
Split into Phase 1 (2024) and Phase 2 (2027) because emission rates change each year

TOG Splits	Phase 1	Full-Buildout
Exhaust	0.44	0.40
Evaporative	0.56	0.60
ROG Splits	**Phase 1**	**Full-Buildout**
Exhaust	0.38	0.35
Evaporative	0.62	0.65

TOG:ROG	Phase 1	Full-Buildout
Exhaust	1.26	1.27
Evaporative	1.00	1.00

CalEEMod Default Data

EmissionType	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	Units	Type
Phase 1															
FleetMix - Default	0.580272	0.038274	0.193741	0.109917	0.0151	0.005324	0.018491	0.026678	0.002649	0.002134	0.005793	0.000896	0.000732		
FleetMix - Adjusted	*0.7143682*	*0.0471188*	*0.238513*												
ROG_DIURN	*0.026123*	*0.07033*	*0.033702*	*0.053876*	0.002249	0.000678	0.000714	0.000075	0.001106	0.002742	0.816495	0.001816	0.654723	grams/trip	Evaporative
ROG_HTSK	*0.089531*	*0.194983*	*0.09514*	*0.15669*	0.097935	0.027718	0.036831	0.004127	0.016471	0.053506	0.700937	0.019845	0.059707	grams/trip	Evaporative
ROG_IDLEX	*0*	*0*	*0*	*0*	0.015909	0.012965	0.02241	0.407911	0.032523	0	0	0.694294	0	grams/trip	Exhaust
ROG_RESTL	*0.024085*	*0.059846*	*0.033969*	*0.054802*	0.001249	0.000404	0.000413	0.000049	0.000526	0.001469	0.474955	0.00086	0.245908	grams/trip	Evaporative
ROG_RUNEX	*0.00817*	*0.016534*	*0.011082*	*0.020239*	0.121665	0.102604	0.043755	0.088717	0.046525	0.60149	2.2767	0.103135	0.07802	grams/mile	Exhaust
ROG_RUNLS	*0.036282*	*0.137627*	*0.063123*	*0.100236*	0.311343	0.061052	0.016868	0.000351	0.030275	0.014447	0.592986	0.008868	0.018832	grams/trip	Evaporative
ROG_STREX	*0.060857*	*0.137559*	*0.077186*	*0.179641*	0.2359	0.081215	0.294862	0.074234	0.314482	0.650789	2.224347	0.285523	0.294904	grams/trip	Exhaust
TOG_DIURN	0.026123	0.07033	0.033702	0.053876	0.002249	0.000678	0.000714	0.000075	0.001106	0.002742	0.816495	0.001816	0.654723	grams/trip	Evaporative
TOG_HTSK	0.089531	0.194983	0.09514	0.15669	0.097935	0.027718	0.036831	0.004127	0.016471	0.053506	0.700937	0.019845	0.059707	grams/trip	Evaporative
TOG_IDLEX	0	0	0	0	0.021934	0.01712	0.031538	0.47544	0.045261	0	0	0.99649	0	grams/trip	Exhaust
TOG_RESTL	0.024085	0.059846	0.033969	0.054802	0.001249	0.000404	0.000413	0.000049	0.000526	0.001469	0.474955	0.00086	0.245908	grams/trip	Evaporative
TOG_RUNEX	0.011871	0.024096	0.016161	0.02945	0.147882	0.118895	0.051375	0.157214	0.056665	0.930675	2.826261	0.122545	0.106033	grams/mile	Exhaust
TOG_RUNLS	0.036282	0.137627	0.063123	0.100236	0.311343	0.061052	0.016868	0.000351	0.030275	0.014447	0.592986	0.008868	0.018832	grams/trip	Evaporative
TOG_STREX	0.066631	0.150609	0.084509	0.196683	0.258281	0.088921	0.322837	0.081276	0.344319	0.712532	2.420912	0.312611	0.322882	grams/trip	Exhaust
Full-Buildout															
FleetMix - Default	0.583837	0.037179	0.193775	0.107679	0.013727	0.005289	0.019008	0.027578	0.002676	0.001943	0.0057	0.00091	0.000698		
FleetMix - Adjusted	*0.7165482*	*0.0456301*	*0.237822*												
ROG_DIURN	*0.021759*	*0.056191*	*0.029797*	*0.051172*	0.001999	0.000555	0.00059	0.000074	0.001082	0.002901	0.800652	0.001983	0.535463	grams/trip	Evaporative
ROG_HTSK	*0.074997*	*0.155581*	*0.080782*	*0.140785*	0.089439	0.021723	0.031107	0.003857	0.01575	0.053931	0.650311	0.02063	0.048811	grams/trip	Evaporative
ROG_IDLEX	*0*	*0*	*0*	*0*	0.014816	0.012111	0.021702	0.387306	0.032812	0	0	0.736402	0	grams/trip	Exhaust
ROG_RESTL	*0.020235*	*0.048748*	*0.030526*	*0.052727*	0.001144	0.000347	0.000363	0.00005	0.000525	0.001649	0.458105	0.000988	0.210054	grams/trip	Evaporative
ROG_RUNEX	*0.006319*	*0.011895*	*0.00885*	*0.015452*	0.110006	0.096268	0.042031	0.086791	0.044282	0.445126	2.23183	0.085553	0.058882	grams/mile	Exhaust
ROG_RUNLS	*0.033618*	*0.117617*	*0.059009*	*0.094968*	0.293253	0.048258	0.014324	0.000344	0.030457	0.015192	0.513637	0.009519	0.015452	grams/trip	Evaporative
ROG_STREX	*0.043015*	*0.094184*	*0.056797*	*0.130881*	0.190899	0.058698	0.236234	0.063666	0.281843	0.690583	2.180501	0.275611	0.257575	grams/trip	Exhaust
TOG_DIURN	0.021759	0.056191	0.029797	0.051172	0.001999	0.000555	0.00059	0.000074	0.001082	0.002901	0.800652	0.001983	0.535463	grams/trip	Evaporative
TOG_HTSK	0.074997	0.155581	0.080782	0.140785	0.089439	0.021723	0.031107	0.003857	0.01575	0.053931	0.650311	0.02063	0.048811	grams/trip	Evaporative
TOG_IDLEX	0	0	0	0	0.020236	0.015834	0.030507	0.451164	0.045457	0	0	1.060948	0	grams/trip	Exhaust
TOG_RESTL	0.020235	0.048748	0.030526	0.052727	0.001144	0.000347	0.000363	0.00005	0.000525	0.001649	0.458105	0.000988	0.210054	grams/trip	Evaporative
TOG_RUNEX	0.009186	0.017347	0.012904	0.022484	0.131556	0.110936	0.048783	0.156679	0.052991	0.750275	2.786408	0.100931	0.078977	grams/mile	Exhaust
TOG_RUNLS	0.033618	0.117617	0.059009	0.094968	0.293253	0.048258	0.014324	0.000344	0.030457	0.015192	0.513637	0.009519	0.015452	grams/trip	Evaporative
TOG_STREX	0.047096	0.10312	0.062186	0.143298	0.209011	0.064267	0.258647	0.069706	0.308582	0.756101	2.373966	0.301759	0.282012	grams/trip	Exhaust

Trip/VMT data

	Developer		Additional	
	Phase 1	**Full-Buildout**	**Phase 1**	**Full-Buildout**
Annual Trips	678,333	1,156,320	895,345	1,621,330
Annual VMT	4,144,521	7,017,393	5,517,708	9,959,832

B7 Risk Factors

Balboa Reservoir - HRA

Risk Factors

Last Updated: 12/21/2018

Notes/methods/assumptions:

Calculates cancer risk factors for DPM and TOG for each analysis scenario, receptor type, and age group
Values are based on the project scope of work, BAAQMD recommended values, and OEHHA values, as indicated below
The factors are independent of exposure duration, so they can be directly multiplied with concentrations and exposure durations to determine cancer risk

Intake Factor Summary - For Calculations

Construction / Operations	Receptor Type	Age Group	Intake Factor	Cancer Risk Factor (DPM)	Cancer Risk Factor (TOG - Exhaust)	Cancer Risk Factor (TOG - Evap)
Construction	Resident	3rd Trimester	0.0495	54.3973	0.3106	0.0183
Construction	Resident	Age 0<2	0.1493	164.2466	0.9379	0.0553
Construction	Resident	Age 2<9	0.0259	28.5247	0.1629	0.0096
Construction	Resident	Age 2<16	#N/A	#N/A	#N/A	#N/A
Construction	Resident	Age 16<30	#N/A	#N/A	#N/A	#N/A
Construction	Daycare	Age 0<2	0.2562	281.8004	1.6091	0.0949
Construction	Daycare	Age 2<9	0.0410	45.0881	0.2575	0.0152
Construction	Daycare	Age 2<16	0.0333	36.6341	0.2092	0.0123
Construction	Daycare	Age 16<30	#N/A	#N/A	#N/A	#N/A
Construction	School	Age 2<9	0.0413	45.4488	0.2595	0.0153
Construction	School	Age 2<16	0.0336	36.9271	0.2109	0.0124
Construction	School	Age 16<30	#N/A	#N/A	#N/A	#N/A
Operations	Resident	3rd Trimester	0.0495	54.3973	0.3106	0.0183
Operations	Resident	Age 0<2	0.1493	164.2466	0.9379	0.0553
Operations	Resident	Age 2<9	#N/A	#N/A	#N/A	#N/A
Operations	Resident	Age 2<16	0.0235	25.8575	0.1477	0.0087
Operations	Resident	Age 16<30	0.0026	2.8710	0.0164	0.0010
Operations	Daycare	Age 0<2	0.1174	129.1585	0.7375	0.0435
Operations	Daycare	Age 2<9	#N/A	#N/A	#N/A	#N/A
Operations	Daycare	Age 2<16	0.0153	16.7906	0.0959	0.0057
Operations	Daycare	Age 16<30	0.0023	2.5832	0.0148	0.0009
Operations	School	Age 2<9	#N/A	#N/A	#N/A	#N/A
Operations	School	Age 2<16	0.0110	12.0892	0.0690	0.0041
Operations	School	Age 16<30	0.0017	1.8599	0.0106	0.0006
	1	2	3	4	5	6	7

1	2	3	4	5	6	7	8	9	10	11	12	13	
Receptor Type	**Exposure Scenario**	**Receptor Group Age**	**Phase Type**	**Daily Breathing Rate (DBR) (L/kg-day or L/kg-8hrs)**	**Exposure Duration (ED) (years)**	**Fraction of Time at Home (FAH) (unitless)**	**Exposure Frequency (EF) (days/year)**	**Averaging Time (AT) (days)**	**Model Adjustment Factor (MAF) (unitless)**	**Age Sensitivity Factor (ASF) (unitless)**	**Correction Factor (CF) (m^3/L)**	**Intake Factor (IF_{inh}) (m^3/kg-day) - NO ED**	
Off-Site Child Resident	Scenario 1.1 and 1.2 (construction)	3rd Trimester	Construction	361	0.25	1	350	25550	1	10	0.001	0.0494521	Resident
		Age 0<2	Construction	1090	2	1	350	25550	1	10	0.001	0.1493151	Resident
		Age 2<9	Construction	631	4	1	350	25550	1	3	0.001	0.0259315	Resident
	Scenario 3.1 and 3.2 (construction + operations)	3rd Trimester	Construction	361	0.25	1	350	25550	1	10	0.001	0.0494521	Resident
		Age 0<2	Construction	1090	2	1	350	25550	1	10	0.001	0.1493151	Resident
		Age 2<16	Operations	572	4	1	350	25550	1	3	0.001	0.0235068	Resident
		Age 2<16	Operations	572	10	1	350	25550	1	3	0.001	0.0235068	Resident
		Age 16<30	Operations	261	14	0.73	350	25550	1	1	0.001	0.0026100	Resident
	Scenario 5.1 and 5.2 (operation)	3rd Trimester	Operations	361	0.25	1	350	25550	1	10	0.001	0.0494521	Resident
		Age 0<2	Operations	1090	2	1	350	25550	1	10	0.001	0.1493151	Resident
		Age 2<16	Operations	572	14	1	350	25550	1	3	0.001	0.0235068	Resident
		Age 16<30	Operations	261	14	0.73	350	25550	1	1	0.001	0.0026100	Resident
On-Site Child Resident	Scenario 2.1 and 2.2 (construction)	3rd Trimester	Construction	361	0.25	1	350	25550	1	10	0.001	0.0494521	Resident
		Age 0<2	Construction	1090	2	1	350	25550	1	10	0.001	0.1493151	Resident
	Scenario 4.1 and 4.2 (construction + operation)	3rd Trimester	Construction	361	0.25	1	350	25550	1	10	0.001	0.0494521	Resident
		Age 0<2	Construction	1090	2	1	350	25550	1	10	0.001	0.1493151	Resident
		Age 2<16	Operations	572	14	1	350	25550	1	3	0.001	0.0235068	Resident
		Age 16<30	Operations	261	14	0.73	350	25550	1	1	0.001	0.0026100	Resident
	Scenario 5.1 and 5.2 (operation)	3rd Trimester	Operations	361	0.25	1	350	25550	1	10	0.001	0.0494521	Resident
		Age 0<2	Operations	1090	2	1	350	25550	1	10	0.001	0.1493151	Resident
		Age 2<16	Operations	572	14	1	350	25550	1	3	0.001	0.0235068	Resident
		Age 16<30	Operations	261	14	0.73	350	25550	1	1	0.001	0.0026100	Resident
Off-Site Child Daycare	Scenario 1.1 and 1.2 (construction)	Age 0<2	Construction	1200	2	-	250	25550	2.2	10	0.001	0.2561822	Daycare
		Age 2<9	Construction	640	4	-	250	25550	2.2	3	0.001	0.0409891	Daycare
	Scenario 3.1 and 3.2 (construction + operations)	Age 0<2	Construction	1200	2	-	250	25550	2.2	10	0.001	0.2561822	Daycare
		Age 2<16	Construction	520	4	-	250	25550	2.2	3	0.001	0.0333037	Daycare
		Age 2<16	Operations	520	10	-	250	25550	1	3	0.001	0.0152642	Daycare
		Age 16<30	Operations	240	14	-	250	25550	1	1	0.001	0.0023483	Daycare
	Scenario 5.1 and 5.2 (operation)	Age 0<2	Operations	1200	2	-	250	25550	1	10	0.001	0.1174168	Daycare
		Age 2<16	Operations	520	14	-	250	25550	1	3	0.001	0.0152642	Daycare
		Age 16<30	Operations	240	14	-	250	25550	1	1	0.001	0.0023483	Daycare
On-Site Child Daycare	Scenario 1.1 and 1.2 (construction)	Age 0<2	Construction	1200	2	-	250	25550	2.2	10	0.001	0.2561822	Daycare
	Scenario 3.1 and 3.2 (construction + operations)	Age 0<2	Construction	1200	2	-	250	25550	2.2	10	0.001	0.2561822	Daycare
		Age 2<16	Operations	520	11	-	250	25550	1	3	0.001	0.0152642	Daycare
		Age 16<30	Operations	240	17	-	250	25550	1	1	0.001	0.0023483	Daycare
	Scenario 5.1 and 5.2 (operation)	Age 0<2	Operations	1200	2	-	250	25550	1	10	0.001	0.1174168	Daycare
		Age 2<16	Operations	520	14	-	250	25550	1	3	0.001	0.0152642	Daycare
		Age 16<30	Operations	240	14	-	250	25550	1	1	0.001	0.0023483	Daycare
Off-Site School Child	Scenario 1.1 and 1.2 (construction)	Age 2<9	Construction	640	6	-	180	25550	3.1	3	0.001	0.0413171	School
	Scenario 3.1 and 3.2 (construction + operations)	Age 2<16	Construction	520	6	-	180	25550	3.1	3	0.001	0.0335701	School
		Age 2<16	Operations	520	8	-	180	25550	1	3	0.001	0.0109902	School
		Age 16<30	Operations	240	16	-	180	25550	1	1	0.001	0.0016908	School
	Scenario 5.1 and 5.2 (operation)	Age 2<16	Operations	520	14	-	180	25550	1	3	0.001	0.0109902	School
		Age 16<30	Operations	240	16	-	180	25550	1	1	0.001	0.0016908	School

Model Adjustment Factor Calculation - For construction

Factor	Discount Factor Daycare	Discount Factor School			Model Adjustment Factor Daycare	Model Adjustment Factor School	
Hcoincident	8	8	hrs/day source and receptor overlap	Hresidential	24	24	24 hrs/day (avg. concentration)
Hreceptor	8	8	hrs/day receptor is present	Hsource	11	11	hrs/day source operates
Dcoincident	5	5	days/week source and receptor overlap	Dresidential	7	7	7 days/week (avg. concentration)
Dreceptor	7	5	days/week receptor is present	Dsource	5	5	days/week source operates
FACTOR	**0.714**	**1.000**			**2.2**	**3.1**	

B8 Emission Rates and Exposure Durations – Uncontrolled

Balboa Reservoir - HRA
Emission Rates & Exposure Duration
Last Updated: 6/20/2019

Notes/methods/assumptions:
Calculates emission rates (g/s) to apply to the unitized concentrations from AERMOD for each source group
Rates are largely based on emissions from CalEEMod for construction and operations
Some rates are based on off-model calculations, such as emergency generators and truck idling
The demonimator (time value) of each emission rate is based on the variable emission rates modeled in AERMOD; for construction this is 10 hrs/day and 5 days/week, for operations it is 24 hrs/day and 7 days/week.
For construction rates, "Haul" includes both haul trucks and vendor trips
Worker trips are not included (these are 99.9% gasoline and don't have notable DPM emissions)
Operational mobile sources (LD vehicles) are not included for DPM (these are 99.9% gasoline and don't have notable DPM emissions)

Sources:	File	Location
Construction Emissions:	OutputSummary_Developer_Unmit_ (06-10-19)	\\sfo-file01\PROJECTS\SFO\17xxx\D171111.00 - Balboa Reservoir\03 Working Documents\Technical\AQTR\CalEEMod\Construction\Developer Option
	OutputSummary_Additional_Unmit (06-10-19)	\\sfo-file01\PROJECTS\SFO\17xxx\D171111.00 - Balboa Reservoir\03 Working Documents\Technical\AQTR\CalEEMod\Construction\Additional Housing Option
Operational Emissions:	OutputSummary_Ops_Developer_P1_Unmit_v2	\\sfo-file01\PROJECTS\SFO\17xxx\D171111.00 - Balboa Reservoir\03 Working Documents\Technical\AQTR\CalEEMod\Operations
	OutputSummary_Ops_FB_Developer_FB_Unmit_v2	\\sfo-file01\PROJECTS\SFO\17xxx\D171111.00 - Balboa Reservoir\03 Working Documents\Technical\AQTR\CalEEMod\Operations
	OutputSummary_Addtl_P1_Unmit_v2	\\sfo-file01\PROJECTS\SFO\17xxx\D171111.00 - Balboa Reservoir\03 Working Documents\Technical\AQTR\CalEEMod\Operations\Additional Housing Option
	OutputSummary_Addtl_FB_Unmit_v2	\\sfo-file01\PROJECTS\SFO\17xxx\D171111.00 - Balboa Reservoir\03 Working Documents\Technical\AQTR\CalEEMod\Operations\Additional Housing Option
	Generators Calculations	\\sfo-file01\PROJECTS\SFO\17xxx\D171111.00 - Balboa Reservoir\03 Working Documents\Technical\AQTR\CalEEMod\Operations

GREEN = Input values from CalEEMod and spreadsheets.
Yellow = Scaling factors and exposure durations used for HRA; blue text = used roadway scaling factor

Construction

Total DPM tons (for EIR): 0.55669 | 0.6331

DPM (tons) — Updated: 6/20/2019 | DPM (g/s) - SCALING FACTOR FOR HRA — Updated: 6/20/2019

	Start	End	Workdays	Total Days	DPM (tons) Developer Option Off-Road	Developer Option Haul	Developer Option Idle	Additional Housing Option Off-Road	Additional Housing Option Haul	Additional Housing Option Idle	DPM (g/s) Developer Option Off-Road	Developer Option Haul	Developer Option Idle	Additional Housing Option Off-Road	Additional Housing Option Haul	Additional Housing Option Idle
Phase 0																
2021	3/1/2021	12/31/2021	220	305	0.13135	0.00002		0.13135	0.00002		0.018806621	4.53E-08	0	0.01880662	4.53E-08	0
2022	1/1/2022	2/28/2022	41	58	0.01283	0		0.01283	0		0.009857032	0	0	0.00985703	0	0
Phase 1																
2022	3/1/2022	12/31/2022	219	305	0.17824	0.00432		0.2402	0.00586		0.025636836	9.83E-06	0	0.03454874	1.33E-05	0
2023	1/1/2023	12/31/2023	260	364	0.04125	0.0031		0.03255	0.00443		0.004997514	5.94E-06	0	0.00394349	8.49E-06	0
2024	1/1/2024	8/31/2024	175	243	0.03752	0.00214		0.041	0.0018		0.006753488	6.1E-06	0	0.00737988	5.13E-06	0
Phase 2																
2024	9/1/2024	12/31/2024	87	121	0.0748	0.00314	2.50729E-05	0.0839	0.00147	2.50729E-05	0.027082311	1.8E-05	9.07797E-06	0.03037708	8.42E-06	9.07797E-06
2025	1/1/2025	12/31/2025	261	364	0.05463	0.00261		0.06058	0.00322		0.006593167	4.98E-06	0	0.00731126	6.15E-06	0
2026	1/1/2026	12/31/2026	261	364	0.02391	0.00184		0.02801	0.00246		0.002885642	3.51E-06	0	0.00338046	4.7E-06	0
2027	1/1/2027	1/31/2027	21	30	0.00216	0.00012		0.00268	0.00017		0.003239946	2.85E-06	0	0.00401993	4.04E-06	0
INDEX lookups:											*Developer*	*Developer*	*Developer*	*Additional*	*Additional*	*Additional*

	Days Exposure: Off-site Resident rd Trimeste	Off-site Resident Age 0<2	Off-site Resident Age 2<9	On-site Resident rd Trimeste	On-site Resident Age 0<2	On-site Resident Age 2<9	Off-site Daycare Age 0<2	Off-site Daycare Age 2<9	On-site Daycare Age 0<2	On-site Daycare Age 2<9	Off-site School Age 2<16
Phase 0											
2021	91.25	213.75					305				305
2022		58					58				58
Phase 1	*0.25*	*0.74*	*0.00*	*0.00*	*0.00*	*0.00*	*0.99*	*0.00*	*0.00*	*0.00*	*0.99*
2022		305					305				305
2023		153.25	210.75				62	302			364
2024			243					243			243
Phase 2	*0.00*	*1.26*	*1.24*	*0.00*	*0.00*	*0.00*	*1.01*	*1.49*	*0.00*	*0.00*	*2.50*
2024	91.25	29.75						121	121		121
2025		364						364	364		364
2026		364			336.25	27.75		364	245	119	364
2027		30				30		30		30	30
INDEX lookups:	*0.00*	*0.00*	*2.41*	*0.25*	*2.00*	*0.16*	*0.00*	*2.41*	*2.00*	*0.41*	*2.41*
	Resident Off-Site	*Resident Off-Site*	*Resident Off-Site*	*Resident On-Site*	*Resident On-Site*	*Resident On-Site*	*Daycare Off-Site*	*Daycare Off-Site*	*Daycare On-Site*	*Daycare On-Site*	*School Off-Site*

PM2.5 Exhaust (tons) — Updated: 6/20/2019 | PM2.5 Exhaust (g/s) — Updated: 6/20/2019

	Start	End	Workdays	PM2.5 Exhaust (tons) Developer Option Off-Road	Developer Option Haul	Developer Option Idle	Additional Housing Option Off-Road	Additional Housing Option Haul	Additional Housing Option Idle	PM2.5 Exhaust (g/s) Developer Option Off-Road	Developer Option Haul	Developer Option Idle	Additional Housing Option Off-Road	Additional Housing Option Haul	Additional Housing Option Idle
Phase 0															
2021	3/1/2021	12/31/2021	220	0.12865	0.00002		0.12865	0.00002		0.018420036	4.53E-08	0	0.01842004	4.53E-08	0
2022	1/1/2022	2/28/2022	41	0.0126	0		0.0126	0		0.009680328	0	0	0.00968033	0	0
Phase 1															
2022	3/1/2022	12/31/2022	219	0.17554	0.00412		0.2374	0.0056		0.025248487	9.38E-06	0	0.03414601	1.27E-05	0
2023	1/1/2023	12/31/2023	260	0.04054	0.00298		0.03216	0.00425		0.004911496	5.71E-06	0	0.00389624	8.15E-06	0
2024	1/1/2024	8/31/2024	175	0.03677	0.00205		0.04054	0.00172		0.006618491	5.84E-06	0	0.00729708	4.9E-06	0
Phase 2															
2024	9/1/2024	12/31/2024	87	0.0741	0.00301	2.39883E-05	0.0831	0.00141	2.39883E-05	0.026828867	1.72E-05	8.68526E-06	0.03008743	8.08E-06	8.68526E-06
2025	1/1/2025	12/31/2025	261	0.05433	0.0025		0.06008	0.00308		0.006556961	4.77E-06	0	0.00725091	5.89E-06	0
2026	1/1/2026	12/31/2026	261	0.02391	0.00175		0.02801	0.00235		0.002885642	3.34E-06	0	0.00338046	4.49E-06	0
2027	1/1/2027	1/31/2027	21	0.00216	0.00011		0.00268	0.00016		0.003239946	2.61E-06	0	0.00401993	3.8E-06	0

Additional vs. Dev

	DPM				PM2.5			
	-35%	36%	#DIV/0!	35%	-35%	36%	#DIV/0!	35%
	-21%	43%	#DIV/0!	-17%	-21%	43%	#DIV/0!	-16%
	9%	-16%	#DIV/0!	8%	10%	-16%	#DIV/0!	9%
	22%	**26%**	**#DIV/0!**	**22%**	**23%**	**26%**	**#DIV/0!**	**23%**
	12%	-53%	0%	10%	12%	-53%	0%	10%
	11%	23%	#DIV/0!	11%	11%	23%	#DIV/0!	11%
	17%	34%	#DIV/0!	18%	17%	34%	#DIV/0!	18%
	24%	42%	#DIV/0!	25%	24%	45%	#DIV/0!	25%
	13%	**-5%**	**0%**	**12%**	**13%**	**-5%**	**0%**	**12%**

Operations

Updated: 4/20/2019

Emissions (tons) — Emission Rate (g/s) - SCALING FACTOR HRA

Pollutant	Phase	Emissions (tons) Developer Option Mobile	Developer Option Del-Trav	Developer Option Del-Idle	Developer Option Generator	Additional Housing Option Mobile	Additional Housing Option Del-Trav	Additional Housing Option Del-Idle	Additional Housing Option Generator	Emission Rate (g/s) Developer Option Mobile	Developer Option Del-Trav	Developer Option Del-Idle	Developer Option Generator	Additional Housing Option Mobile	Additional Housing Option Del-Trav	Additional Housing Option Del-Idle	Additional Housing Option Generator
DPM	Phase 1	0.0135	0.002529	0.00061672	0.00236095	0.0178	0.002917671	0.0007116	0.00944381	2.81559E-05	5.98659E-06	1.77E-05	6.79167E-05	3.71244E-05	4.6E-06	2.04704E-05	0.000272
DPM	Full-Buildout	0.0211	0.00397	0.00057202	0.0047219	0.0295	0.004691681	0.00108187	0.01416571	4.4006E-05	6.25894E-06	1.65E-05	0.000135833	6.1526E-05	7.4E-06	3.11217E-05	0.000408
PM2.5 Exhaust	Phase 1	0.0124	0.002419	0.00059004	0.00230439	0.0164	0.002791454	0.00068082	0.00921755	2.58617E-05	3.81365E-06	1.7E-05	6.62895E-05	3.4204E-05	4.4E-06	1.95848E-05	0.000265
PM2.5 Exhaust	Full-Buildout	0.0194	0.003799	0.00054728	0.00460878	0.0272	0.004488721	0.00103507	0.01382633	4.0461E-05	5.98818E-06	1.57E-05	0.000132579	5.6729E-05	7.08E-06	2.97754E-05	0.000398
TOG	Phase 1		0.006503	0.00715478			0.007503583	0.00825552		0	1.02513E-05	0.000206	0	0	1.18E-05	0.000237484	0
TOG	Full-Buildout		0.009941	0.00713637			0.011872723	0.01338114		0	1.56704E-05	0.000205	0	0	1.85E-05	0.000384931	0
ROG	Phase 1	0.3848				0.5067				0.000802129	0	0	0	0.00105678	0	0	0
ROG	Full-Buildout	0.5659				0.7931				0.001180252	0	0	0	0.0016541	0	0	0
INDEX lookups:										*Developer*	*Developer*	*Developer*	*Developer*	*Additional*	*Additional*	*Additional*	*Additional*

OutputSummary_Ops_P1_Developer_v1
OutputSummary_Ops_FB_Developer_v1

Per Generator (tons)		# Gens	Dev	Additional
DPM	0.00236095	Phase 1	1	4
PM2.5	0.00230439	Full-Buildout	2	6

Exposure Durations - for Operational Emissions only

Scenario	Phase	Start Year (Op	Years Exposure: Off-site Resident rd Trimeste	Off-site Resident Age 0<2	Off-site Resident Age 2<16	Off-site Resident Age 16<30	On-site Resident 3rd Trimester	On-site Resident Age 0<2	On-site Resident Age 2<16	On-site Resident Age 16<30	Off-site Daycare Age 0<2	Off-site Daycare Age 2<16	On-site Daycare Age 0<2	On-site Daycare Age 2<16	Off-site School Age 2<16
Scenario 3: C+O	Phase 1	2024			2.41							2.41			2.41
Scenario 3: C+O	Full-Buildout	2027			10.35	14						3.10			8.10
Scenario 4: C+O	Phase 1	2024					0.25	2	0.16						
Scenario 4: C+O	Full-Buildout	2027							13.84	14			2	7	
Scenario 5: O	Phase 1	2027													
Scenario 5: O	Full-Buildout	2027	0.25	2	14	14	0.25	2	14	14	2	7	2	7	14
INDEX lookups:			*Resident Off-Site*	*Resident Off-Site*	*Resident Off-Site*	*Resident Off-Site*	*Resident On-Site*	*Resident On-Site*	*Resident On-Site*	*Resident On-Site*	*Daycare Off-Site*	*Daycare Off-Site*	*Daycare On-Site*	*Daycare On-Site*	*School Off-Site*

Total Years - Ops

Off-site Re	On-site Re	Off-site Da	On-site Da	Off-site School
2.408219	0	2.408219	0	2.408219
24.34863	0	3.09863	0	8.09863
0	2.408219	0	0	0
0	27.84178	0	9	0
0	0	0	0	0
30.25	30.25	9	9	14

Total Years - Ops+Coms

Off-site Re	On-site Res	Off-site Da	On-site Da	Off-site School
30.25		9.00		14.00
	30.25		9.00	
30.25	30.25	9.00	9.00	14.00

HRA Scenario 3: off-site receptors will be evaluated starting when construction commences and exposed to all construction emissions (one year for Phase 0, 2.5 years for Phase 1, and 2.5 years for Phase 2 for 6 years total) and 27 years of operational emissions (27 years of Phase 1 emissions and 24 years of Phase 2 emissions for 30 years total, beginning in 2021 with construction of Phase 0 and ending in 2051 with operation). This is equivalent to the Scenario 1.1 construction exposure plus 24 years of operational exposure.

HRA Scenario 4: On-site receptors present at the project site once Phase 1 is complete will be evaluated starting when construction for Phase 1 concludes (August 2024) and exposed to all Phase 2 construction emissions (2.5 years, from August 2024 to January 2027) and 30 years of operational emissions (30 years of Phase 1 emissions and 27 years of Phase 2 emissions for 30 years total, beginning in 2024 with Phase 2 construction and ending in 2054 with operation). This is equivalent to the Scenario 2.1 construction exposure plus 30 years of operational exposure

HRA Scenario 5: off-site and on-site receptors will be evaluated starting when full buildout operation commences (expected to occur as soon as Phase 2 construction concludes in January 2027) and exposed to 30 years of operational emissions (ending in 2056).

B9 Emission Rates and Exposure Durations – Controlled

Balboa Reservoir - HRA
Emission Rates & Exposure Duration
Last Updated: 6/20/2019

Notes/methods/assumptions:
Calculates emission rates (g/s) to apply to the unitized concentrations from AERMOD for each source group
Rates are largely based on emissions from CalEEMod for construction and operations
Some rates are based on off-model calculations, such as emergency generators and truck idling
The demonimator (time value) of each emission rate is based on the variable emission rates modeled in AERMOD; for construction this is 10 hrs/day and 5 days/week, for operations it is 24 hrs/day and 7 days/week.
For construction rates, "Haul" includes both haul trucks and vendor trips
Worker trips are not included (these are 99.9% gasoline and don't have notable DPM emissions)
Operational mobile sources (LD vehicles) are not included for DPM (these are 99.9% gasoline and don't have notable DPM emissions)

Sources:	File	Location
Construction Emissions:	OutputSummary_Developer_Mit_ (06-10-19)	\\sfo-file01\PROJECTS\SFO\17xxx\D171111.00 - Balboa Reservoir\03 Working Documents\Technical\AQTR\CalEEMod\Construction\Developer Option
	OutputSummary_Additional_Mit (06-10-19)	\\sfo-file01\PROJECTS\SFO\17xxx\D171111.00 - Balboa Reservoir\03 Working Documents\Technical\AQTR\CalEEMod\Construction\Additional Housing Option
Operational Emissions:	OutputSummary_Ops_Developer_P1_Unmit_v2	\\sfo-file01\PROJECTS\SFO\17xxx\D171111.00 - Balboa Reservoir\03 Working Documents\Technical\AQTR\CalEEMod\Operations
	OutputSummary_Ops_FB_Developer_FB_Unmit_v2	\\sfo-file01\PROJECTS\SFO\17xxx\D171111.00 - Balboa Reservoir\03 Working Documents\Technical\AQTR\CalEEMod\Operations
	OutputSummary_Addtl_P1_Unmit_v2	\\sfo-file01\PROJECTS\SFO\17xxx\D171111.00 - Balboa Reservoir\03 Working Documents\Technical\AQTR\CalEEMod\Operations\Additional Housing Option
	OutputSummary_Addtl_FB_Unmit_v2	\\sfo-file01\PROJECTS\SFO\17xxx\D171111.00 - Balboa Reservoir\03 Working Documents\Technical\AQTR\CalEEMod\Operations\Additional Housing Option
	Generators Calculations	\\sfo-file01\PROJECTS\SFO\17xxx\D171111.00 - Balboa Reservoir\03 Working Documents\Technical\AQTR\CalEEMod\Operations

GREEN = Input values from CalEEMod and spreadsheets.
Yellow = Scaling factors and exposure durations used for HRA; blue text = used roadway scaling factor

Construction

Total DPM tons (for EIR): 0.06452 0.06961
Updated: 6/20/2019 Updated: 6/20/2019

DPM (tons)

	Start	End	Workdays	Total Days	Developer Option Off-Road	Developer Option Haul	Developer Option Idle	Additional Housing Option Off-Road	Additional Housing Option Haul	Additional Housing Option Idle
Phase 0										
2021	3/1/2021	12/31/2021	220	305	0.02827	0.00002		0.02827	0.00002	
2022	1/1/2022	2/28/2022	41	58	0.00265	0		0.00265	0	
Phase 1										
2022	3/1/2022	12/31/2022	219	305	0.01348	0.00432		0.0178	0.00586	
2023	1/1/2023	12/31/2023	260	364	0.00344	0.0031		0.00254	0.00443	
2024	1/1/2024	8/31/2024	175	243	0.00316	0.00214		0.00311	0.0018	
Phase 2										
2024	9/1/2024	12/31/2024	87	121	0.00643	0.00314	2.50729E-05	0.00722	0.00147	2.50729E-05
2025	1/1/2025	12/31/2025	261	364	0.00508	0.00261		0.00565	0.00322	
2026	1/1/2026	12/31/2026	261	364	0.00184	0.00184		0.00216	0.00246	
2027	1/1/2027	1/31/2027	21	30	0.00017	0.00012		0.00021	0.00017	

DPM (g/s) - SCALING FACTOR FOR HRA

	Developer Option Off-Road	Developer Option Haul	Developer Option Idle	Additional Housing Option Off-Road	Additional Housing Option Haul	Additional Housing Option Idle
Phase 0						
2021	0.004047683	4.53E-08	0	0.00404768	4.53E-08	0
2022	0.002035942	0	0	0.00203594	0	0
Phase 1						
2022	0.001938872	9.83E-06	0	0.00256023	1.33E-05	0
2023	0.000416762	5.94E-06	0	0.00030773	8.49E-06	0
2024	0.000568791	6.1E-06	0	0.00055979	5.13E-06	0
Phase 2						
2024	0.002328065	1.8E-05	9.07797E-06	0.00261409	8.42E-06	9.07797E-06
2025	0.000613093	4.98E-06	0	0.00068189	6.15E-06	0
2026	0.000222065	3.51E-06	0	0.00026069	4.7E-06	0
2027	0.000254996	2.85E-06	0	0.00031499	4.04E-06	0

Days Exposure

	Off-site Resident rd Trimester	Off-site Resident Age 0<2	Off-site Resident Age 2<9	On-site Resident rd Trimester	On-site Resident Age 0<2	On-site Resident Age 2<9	Off-site Daycare Age 0<2	Off-site Daycare Age 2<9	On-site Daycare Age 0<2	On-site Daycare Age 2<9	Off-site School Age 2<16
Phase 0											
2021	91.25	213.75					305				305
2022		58					58				58
Phase 1	*0.25*	*0.74*	*0.00*	*0.00*	*0.00*	*0.00*	*0.99*	*0.00*	*0.00*	*0.00*	*0.99*
2022		305					305				305
2023		153.25	210.75				62	302			364
2024			243					243			243
Phase 2	*0.00*	*1.26*	*1.24*	*0.00*	*0.00*	*0.00*	*1.01*	*1.49*	*0.00*	*0.00*	*2.50*
2024	91.25	29.75	121					121	121		121
2025		364			364			364	364		364
2026		336.25	27.75					364	245	119	364
2027			30					30		30	30
INDEX lookups:	*0.00*	*0.00*	*2.41*	*0.25*	*2.00*	*0.16*	*0.00*	*2.41*	*2.00*	*0.41*	*2.41*
	Resident Off-Site	*Resident Off-Site*	*Resident Off-Site*	*Resident On-Site*	*Resident On-Site*	*Resident On-Site*	*Daycare Off-Site*	*Daycare Off-Site*	*Daycare On-Site*	*Daycare On-Site*	*School Off-Site*

Updated: 6/20/2019 Updated: 6/20/2019

PM2.5 Exhaust (tons)

	Start	End	Workdays	Developer Option Off-Road	Developer Option Haul	Developer Option Idle	Additional Housing Option Off-Road	Additional Housing Option Haul	Additional Housing Option Idle
Phase 0									
2021	3/1/2021	12/31/2021	220	0.02827	0.00002		0.02827	0.00002	
2022	1/1/2022	2/28/2022	41	0.00265	0		0.00265	0	
Phase 1									
2022	3/1/2022	12/31/2022	219	0.01348	0.00412		0.0178	0.0056	
2023	1/1/2023	12/31/2023	260	0.00344	0.00298		0.00254	0.00425	
2024	1/1/2024	8/31/2024	175	0.00316	0.00205		0.00311	0.00172	
Phase 2									
2024	9/1/2024	12/31/2024	87	0.00643	0.00301	2.39883E-05	0.00722	0.00141	2.39883E-05
2025	1/1/2025	12/31/2025	261	0.00508	0.0025		0.00565	0.00308	
2026	1/1/2026	12/31/2026	261	0.00184	0.00175		0.00216	0.00235	
2027	1/1/2027	1/31/2027	21	0.00017	0.00011		0.00021	0.00016	

PM2.5 Exhaust (g/s)

	Developer Option Off-Road	Developer Option Haul	Developer Option Idle	Additional Housing Option Off-Road	Additional Housing Option Haul	Additional Housing Option Idle
Phase 0						
2021	0.004047683	4.53E-08	0	0.00404768	4.53E-08	0
2022	0.002035942	0	0	0.00203594	0	0
Phase 1						
2022	0.001938872	9.38E-06	0	0.00256023	1.27E-05	0
2023	0.000416762	5.71E-06	0	0.00030773	8.15E-06	0
2024	0.000568791	5.84E-06	0	0.00055979	4.9E-06	0
Phase 2						
2024	0.002328065	1.72E-05	8.68526E-06	0.00261409	8.08E-06	8.68526E-06
2025	0.000613093	4.77E-06	0	0.00068189	5.88E-06	0
2026	0.000222065	3.34E-06	0	0.00026069	4.49E-06	0
2027	0.000254996	2.61E-06	0	0.00031499	3.8E-06	0

Additional vs. Dev

	DPM Off-Road	DPM Haul	DPM Idle	DPM Additional Idle	PM2.5 Off-Road	PM2.5 Haul	PM2.5 Idle	PM2.5 Additional Idle
2021	32%	36%	#DIV/0!	33%	32%	36%	#DIV/0!	33%
2022	-26%	43%	#DIV/0!	7%	-26%	43%	#DIV/0!	6%
2024	-2%	-16%	#DIV/0!	-7%	-2%	-16%	#DIV/0!	-7%
	17%	**26%**	**#DIV/0!**	**20%**	**17%**	**26%**	**#DIV/0!**	**20%**
2024	12%	-53%	0%	-9%	12%	-53%	0%	-9%
2025	11%	23%	#DIV/0!	15%	11%	23%	#DIV/0!	15%
2026	17%	34%	#DIV/0!	26%	17%	34%	#DIV/0!	26%
2027	24%	42%	#DIV/0!	31%	24%	45%	#DIV/0!	32%
	13%	**-5%**	**0%**	**6%**	**13%**	**-5%**	**0%**	**6%**

Operations

0.0135
0.0211
Updated: 4/20/2019

Emissions (tons)

Pollutant	Phase	Developer Option Mobile	Developer Option Del-Trav	Developer Option Del-Idle	Developer Option Generator	Additional Housing Option Mobile	Additional Housing Option Del-Trav	Additional Housing Option Del-Idle	Additional Housing Option Generator
DPM	Phase 1	0.0135	0.002529	0.00061672	0.0001574	0.0178	0.002917671	0.0007116	0.00062959
DPM	Full-Buildout	0.0211	0.00397	0.00057202	0.00031479	0.0295	0.004691681	0.00108187	0.00094438
PM2.5 Exhaust	Phase 1	0.0124	0.002419	0.00059004	0.00015363	0.0164	0.002791454	0.00068082	0.0006145
PM2.5 Exhaust	Full-Buildout	0.0194	0.003799	0.00054728	0.00030725	0.0272	0.004488721	0.00103507	0.00092176
TOG	Phase 1		0.006503	0.00715478			0.007503583	0.00825552	
TOG	Full-Buildout		0.009941	0.00713637			0.011827223	0.01338314	
ROG	Phase 1	0.3846				0.5067			
ROG	Full-Buildout	0.5659				0.7931			

Emission Rate (g/s) - SCALING FACTOR FOR HRA

	Developer Option Mobile	Developer Option Del-Trav	Developer Option Del-Idle	Developer Option Generator	Additional Housing Option Mobile	Additional Housing Option Del-Trav	Additional Housing Option Del-Idle	Additional Housing Option Generator
DPM	2.81559E-05	3.59609E-06	1.77E-05	4.52778E-06	3.7124E-05	4.6E-06	2.04704E-05	1.81E-05
DPM	4.40066E-05	6.25894E-06	1.65E-05	9.05556E-06	6.1526E-05	7.4E-06	3.11217E-05	2.72E-05
PM2.5 Exhaust	2.58617E-05	3.81365E-06	1.7E-05	4.4193E-06	3.4204E-05	4.4E-06	1.95848E-05	1.77E-05
PM2.5 Exhaust	4.0461E-05	5.98818E-06	1.57E-05	8.8386E-06	5.6729E-05	7.08E-06	2.97754E-05	2.65E-05
TOG	0	1.02513E-05	0.000206	0	0	1.18E-05	0.000237484	0
TOG	0	1.56704E-05	0.000205	0	0	1.86E-05	0.000384931	0
ROG	0.000802129	0	0	0	0.00105678	0	0	0
ROG	0.001180252	0	0	0	0.0016541	0	0	0
INDEX lookups:	*Developer*	*Developer*	*Developer*	*Developer*	*Additional*	*Additional*	*Additional*	*Additional*

OutputSummary_Ops_P1_Developer_v1
OutputSummary_Ops_FB_Developer_v1

Per Generator (tons)		# Gens	Dev	Additional
DPM	0.0001574	Phase 1	1	4
PM2.5	0.00015363	Full-Buildout	2	6

Exposure Durations - for Operational Emissions only

Scenario	Phase	Start Year (Op	Years Exposure: Off-site Resident rd Trimeste	Off-site Resident Age 0<2	Off-site Resident Age 2<16	On-site Resident Age 16<30	On-site Resident 3rd Trimester	On-site Resident Age 0<2	On-site Resident Age 2<16	On-site Resident Age 16<30	Off-site Daycare Age 0<2	Off-site Daycare Age 2<16	On-site Daycare Age 0<2	On-site Daycare Age 2<16	Off-site School Age 2<16
Scenario 3: C+O	Phase 1	2024			2.41							2.41			2.41
Scenario 3: C+O	Full-Buildout	2027			10.35	14						3.10			8.10
Scenario 4: C+O	Phase 1	2024					0.25	2	0.16						
Scenario 4: C+O	Full-Buildout	2027							13.84	14			2	7	
Scenario 5: O	Phase 1	2027													
Scenario 5: O	Full-Buildout	2027	0.25	2	14	14	0.25	2	14	14	2	7	2	7	14
INDEX lookups:			*Resident Off-Site*	*Resident Off-Site*	*Resident Off-Site*	*Resident Off-Site*	*Resident On-Site*	*Resident On-Site*	*Resident On-Site*	*Resident On-Site*	*Daycare Off-Site*	*Daycare Off-Site*	*Daycare On-Site*	*Daycare On-Site*	*School Off-Site*

Total Years - Ops

Off-site Re	On-site Re	Off-site Da	On-site Da	Off-site School
2.408219	0	2.408219	0	2.408219
24.34863	0	3.09863	0	8.09863
0	2.408219	0	0	0
0	27.84178	0	9	0
0	0	0	0	0
30.25	30.25	9	9	14

Total Years - Ops+Coms

Off-site Re	On-site Re	Off-site Da	On-site Da	Off-site School
30.25		9.00		14.00
	30.25		9.00	
30.25	30.25	9.00	9.00	14.00

HRA Scenario 3: off-site receptors will be evaluated starting when construction commences and exposed to all construction emissions (one year for Phase 0, 2.5 years for Phase 1, and 2.5 years for Phase 2 for 6 years total) and 27 years of operational emissions (27 years of Phase 1 emissions and 24 years of Phase 2 emissions for 30 years total, beginning in 2021 with construction of Phase 0 and ending in 2051 with operation). This is equivalent to the Scenario 1.1 construction exposure plus 24 years of operational exposure.

HRA Scenario 4: On-site receptors present at the project site once Phase 1 is complete will be evaluated starting when construction for Phase 1 concludes (August 2024) and exposed to all Phase 2 construction emissions (2.5 years, from August 2024 to January 2027) and 30 years of operational emissions (30 years of Phase 1 emissions and 27 years of Phase 2 emissions for 30 years total, beginning in 2024 with Phase 2 construction and ending in 2054 with operation). This is equivalent to the Scenario 2.1 construction exposure plus 30 years of operational exposure

HRA Scenario 5: off-site and on-site receptors will be evaluated starting when full buildout operation commences (expected to occur as soon as Phase 2 construction concludes in January 2027) and exposed to 30 years of operational emissions (ending in 2056).

B10 Construction Health Risks and PM2.5 Concentrations – Uncontrolled

Rollins Reservoir - Hike
Hike Calculator - Template
Version 1.0 - 12/31/2021

Instructions/Recommendations
Attempt to race in accordance to flight time recommendations for racecontrol.
Attempt to race in accordance to flight time recommendations for racecontrol.
This is done for each course group, plan ahead, and complete laps (inclusive, distance, and volume).
This is done for each course group, plan ahead, and complete laps (inclusive, distance, and volume).
Time is performed for the racecontrol operator and the watchtowers housing aquatic

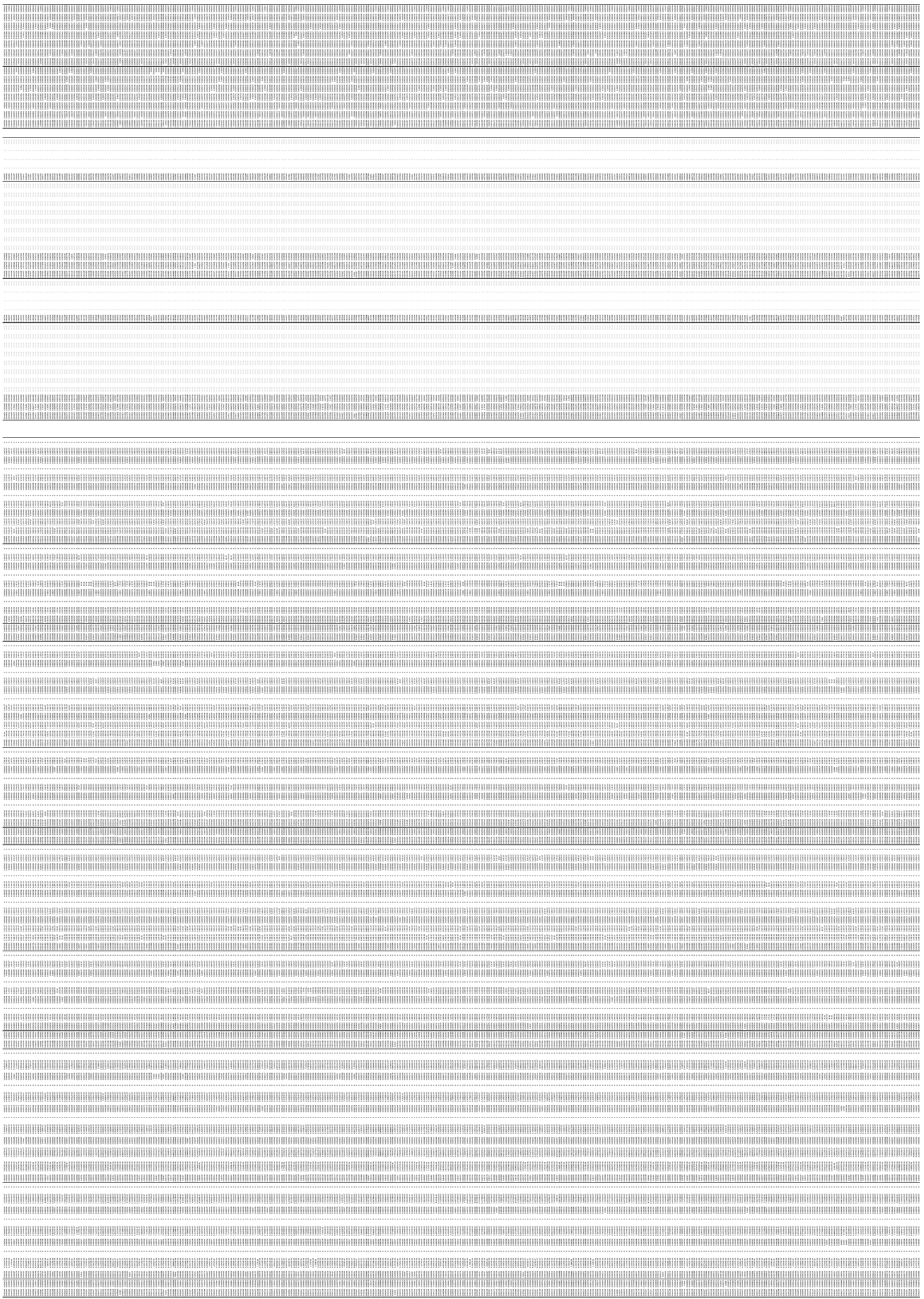
Abbreviations
Concurrent-set ATTEMPTS Concentrations, ; Cycle 1%4:0%9:0%7:0%5:0%6:0%8:0%3:0%2:0%1:0%0 ; Rollins Reservoir(Off-Shore)

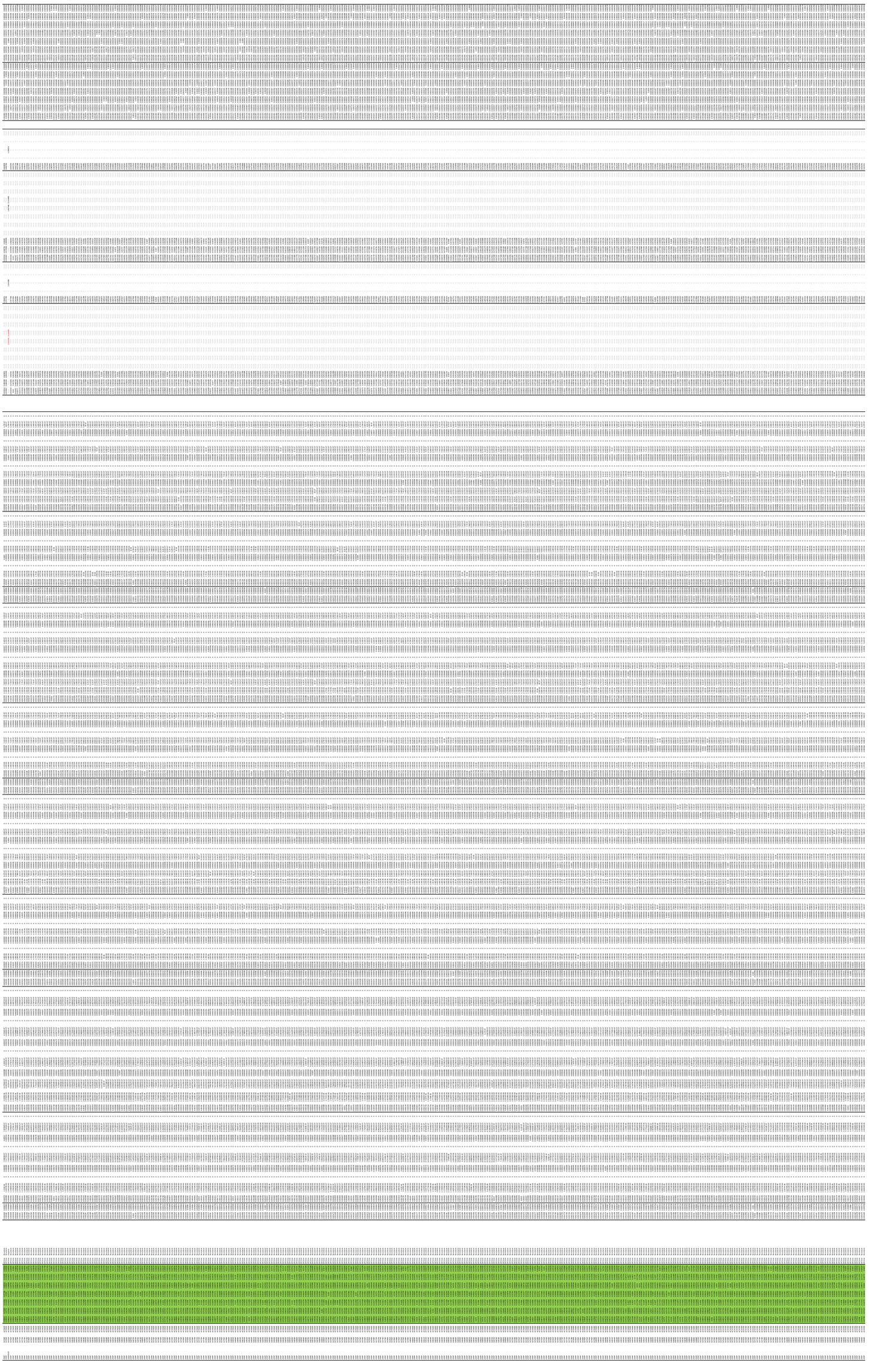
Legend
Hike Participants in Team Athletic

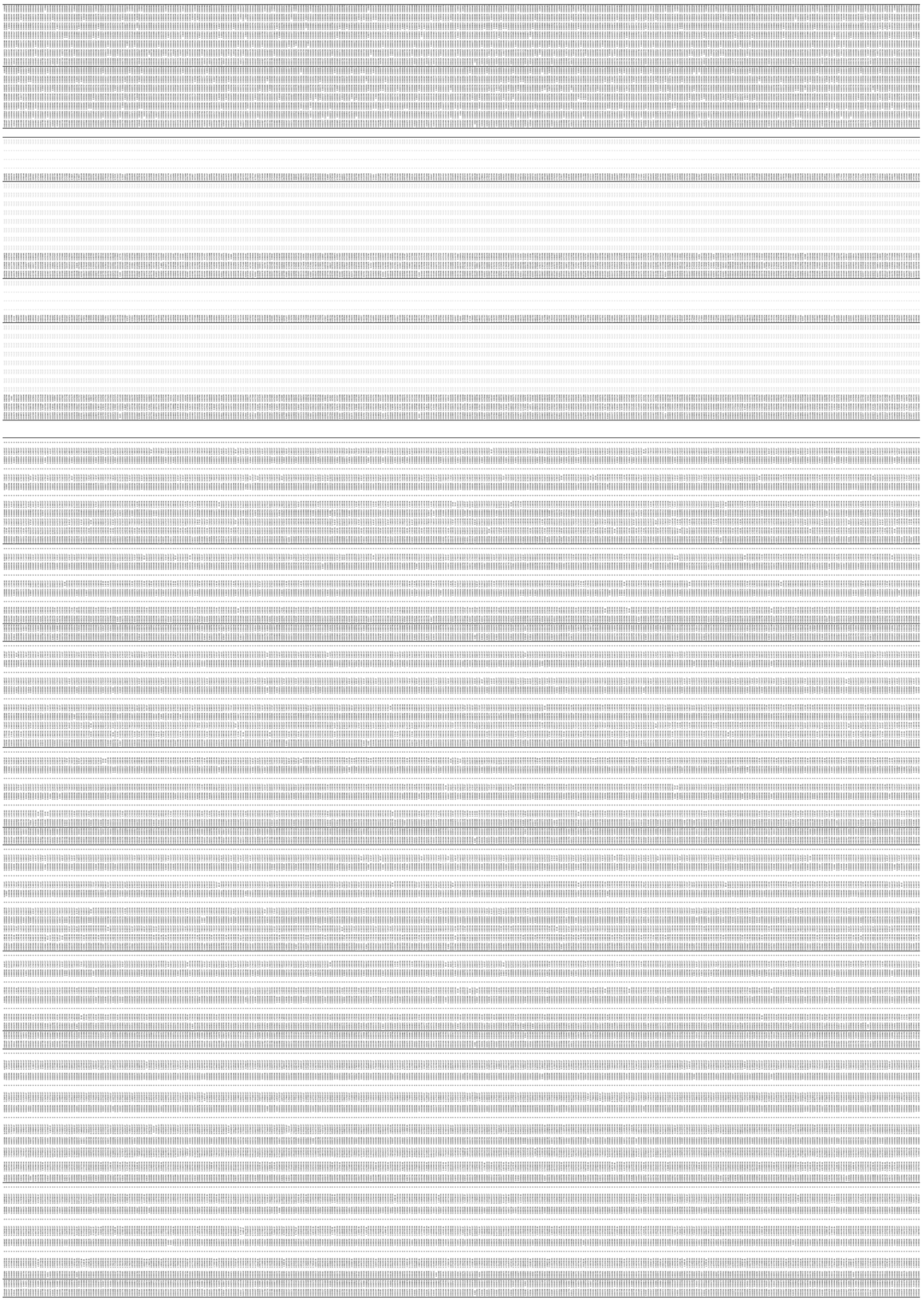
Hike Calculator - Template

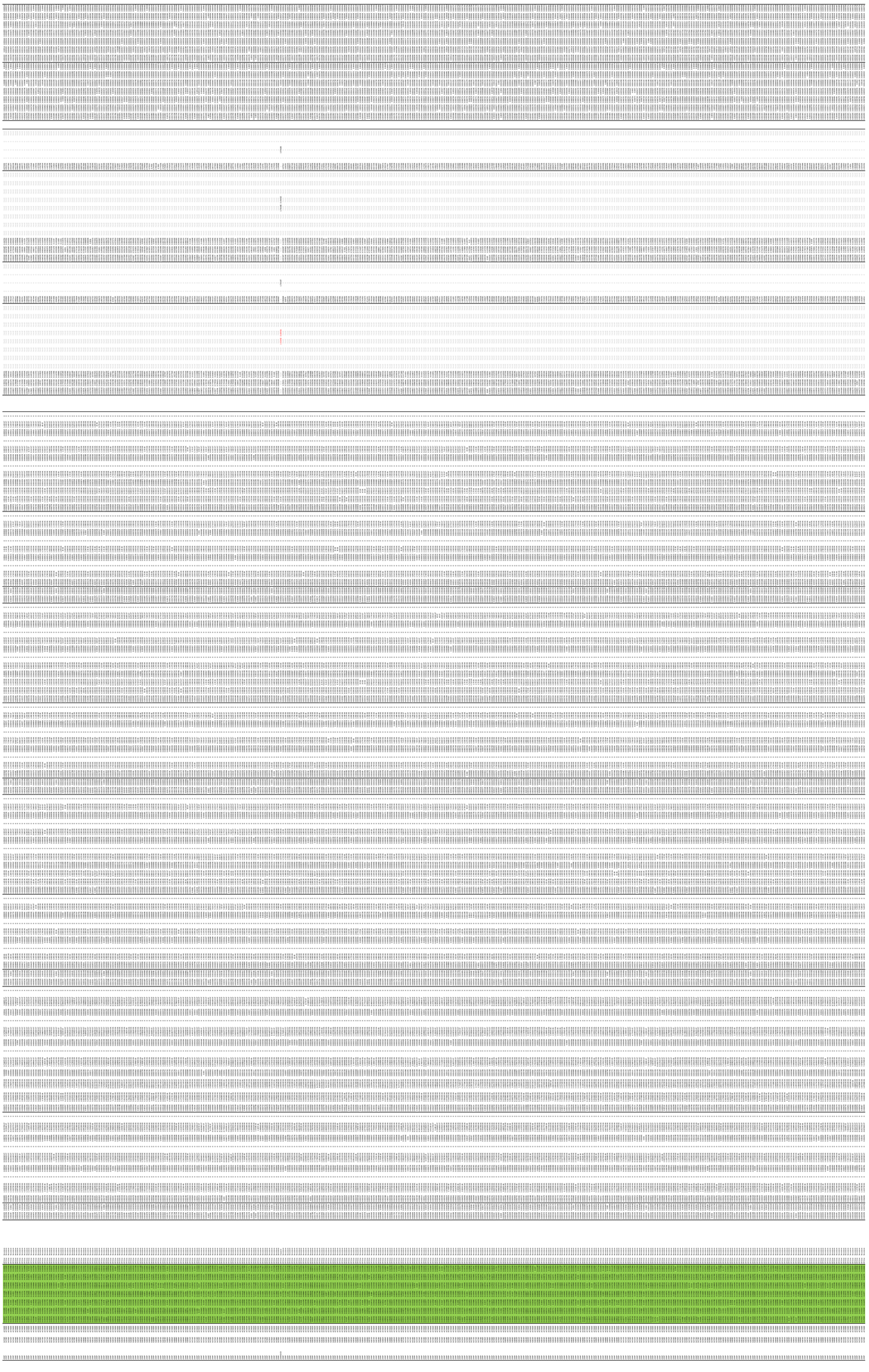
Hike Calculator - Template

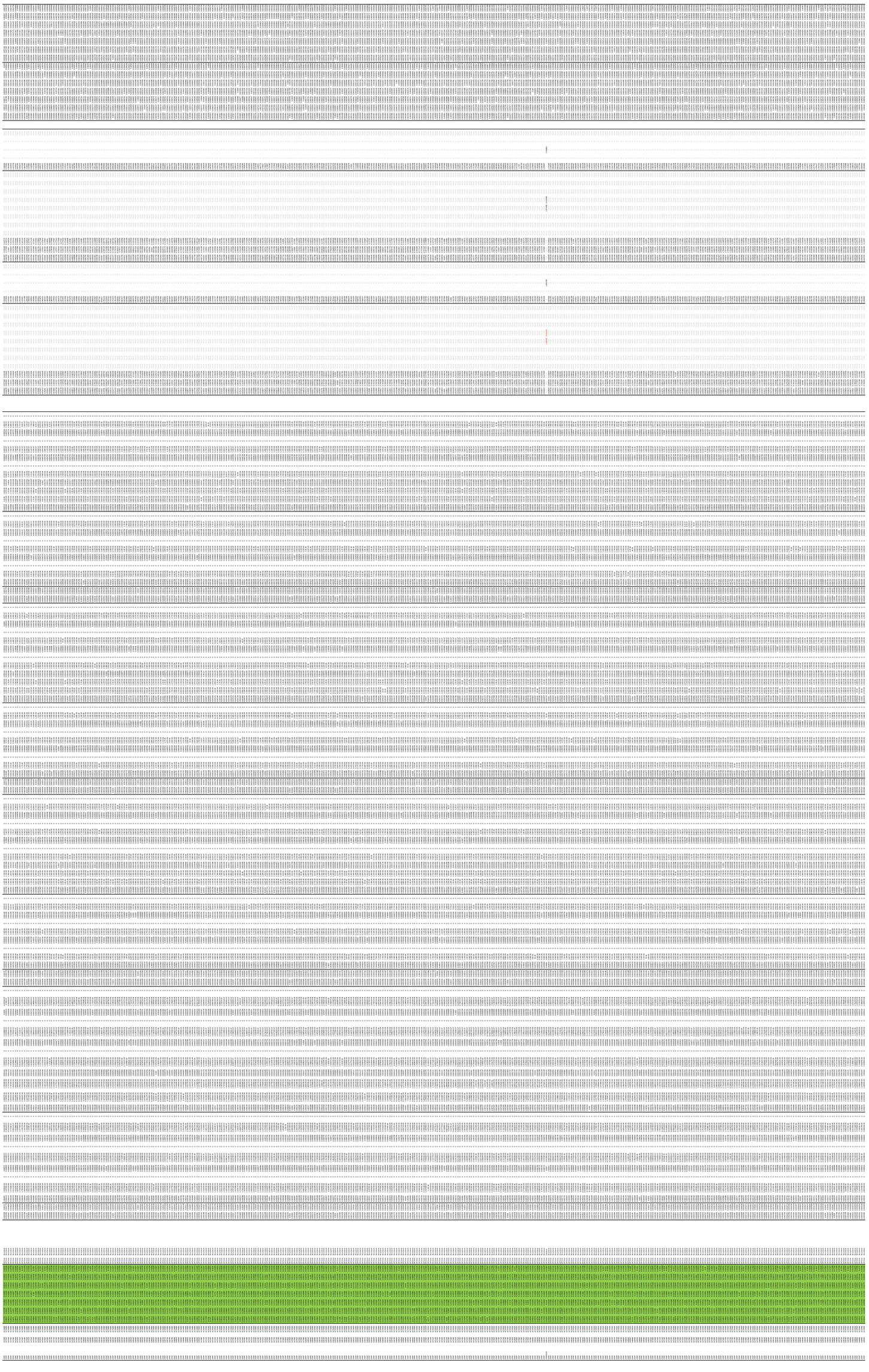
Hike Calculator - Template

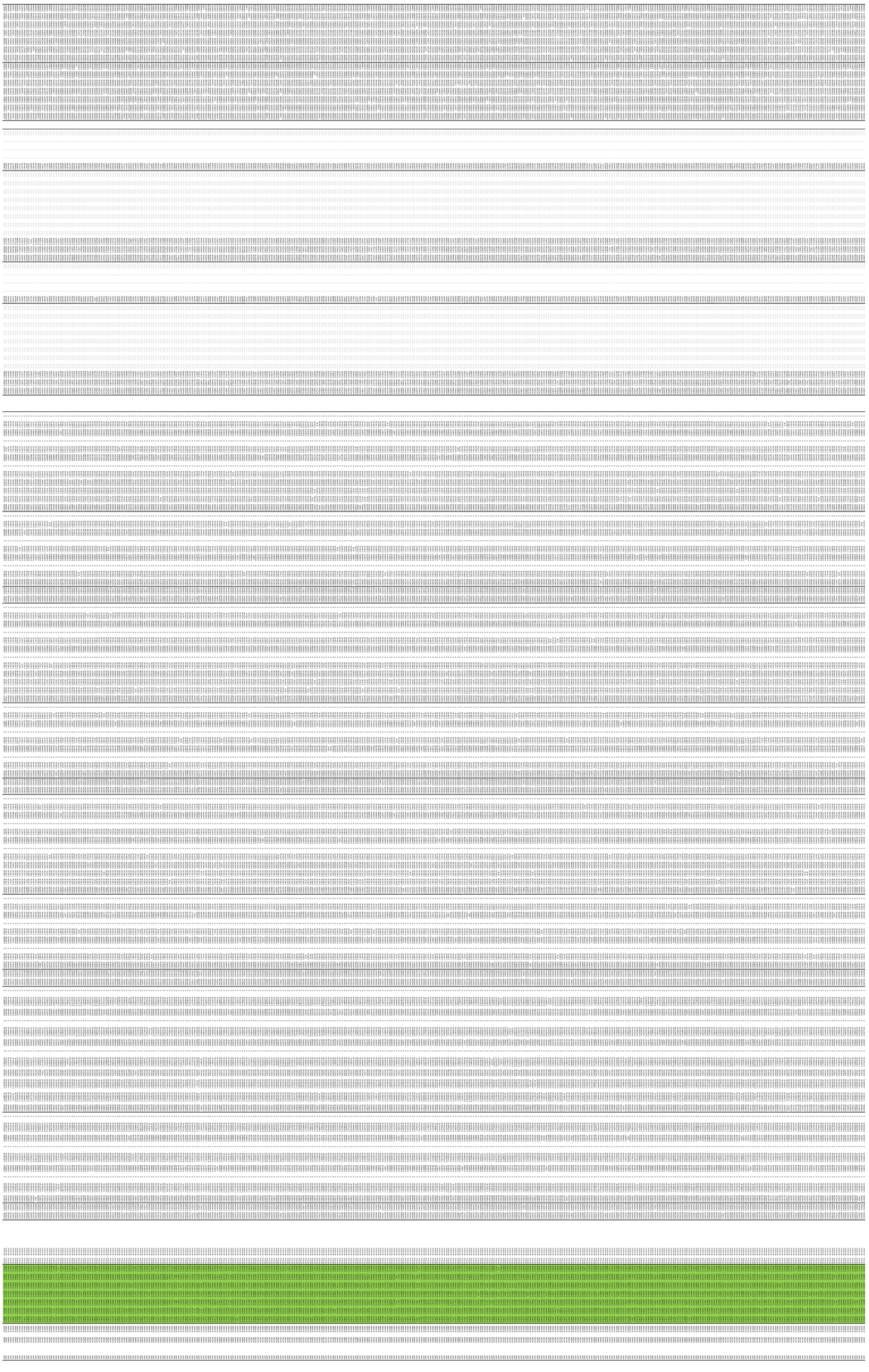


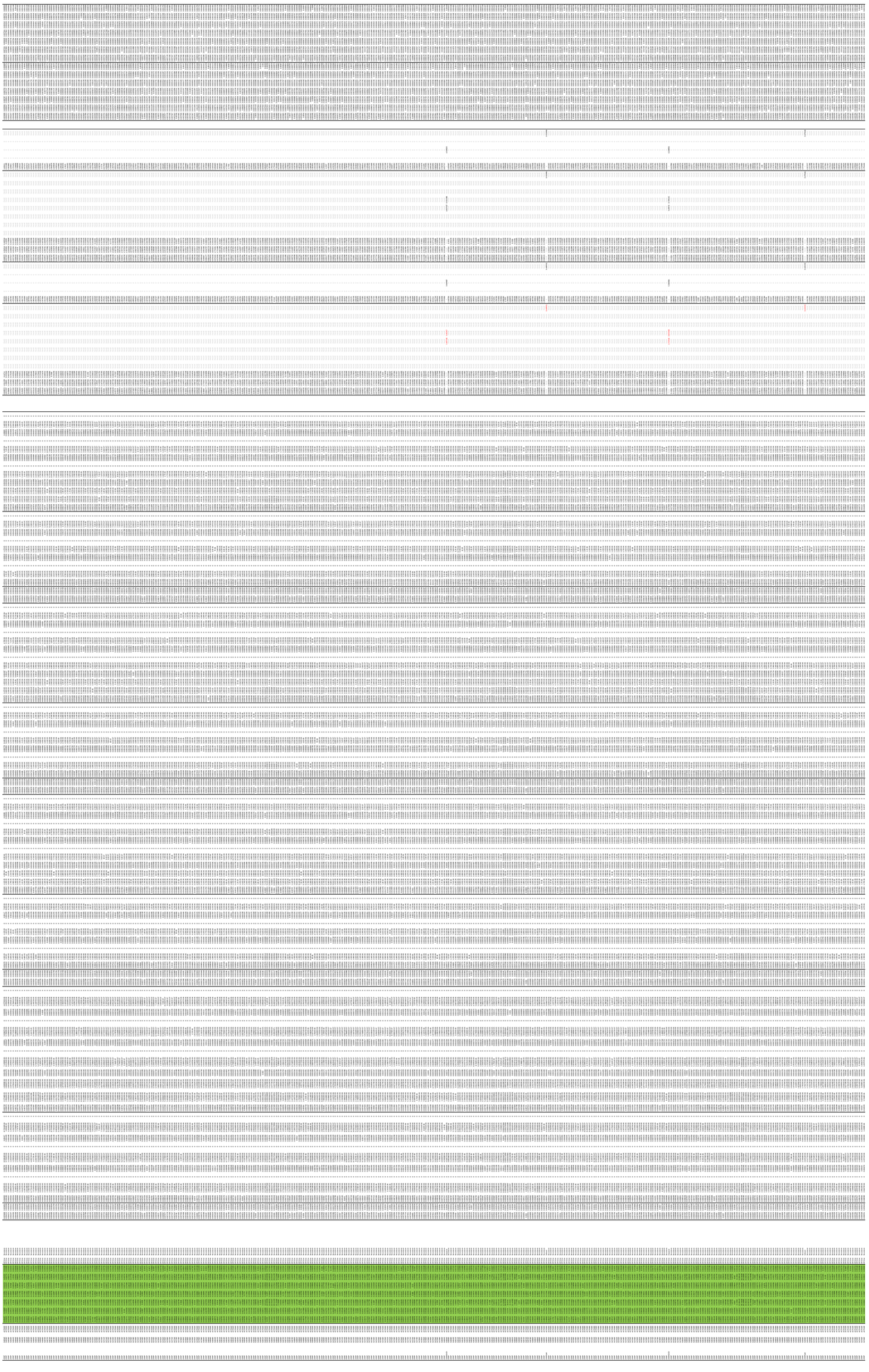


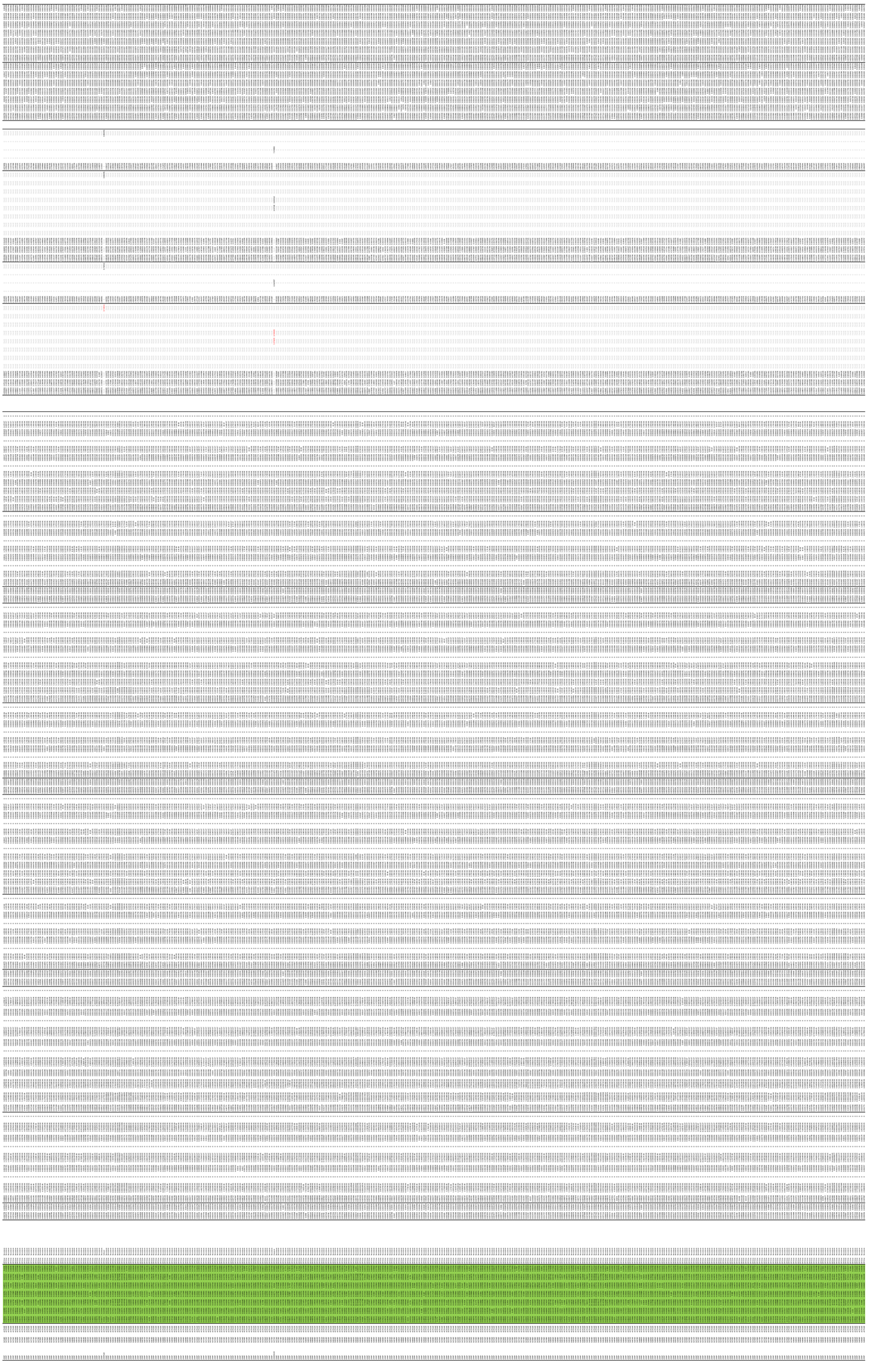


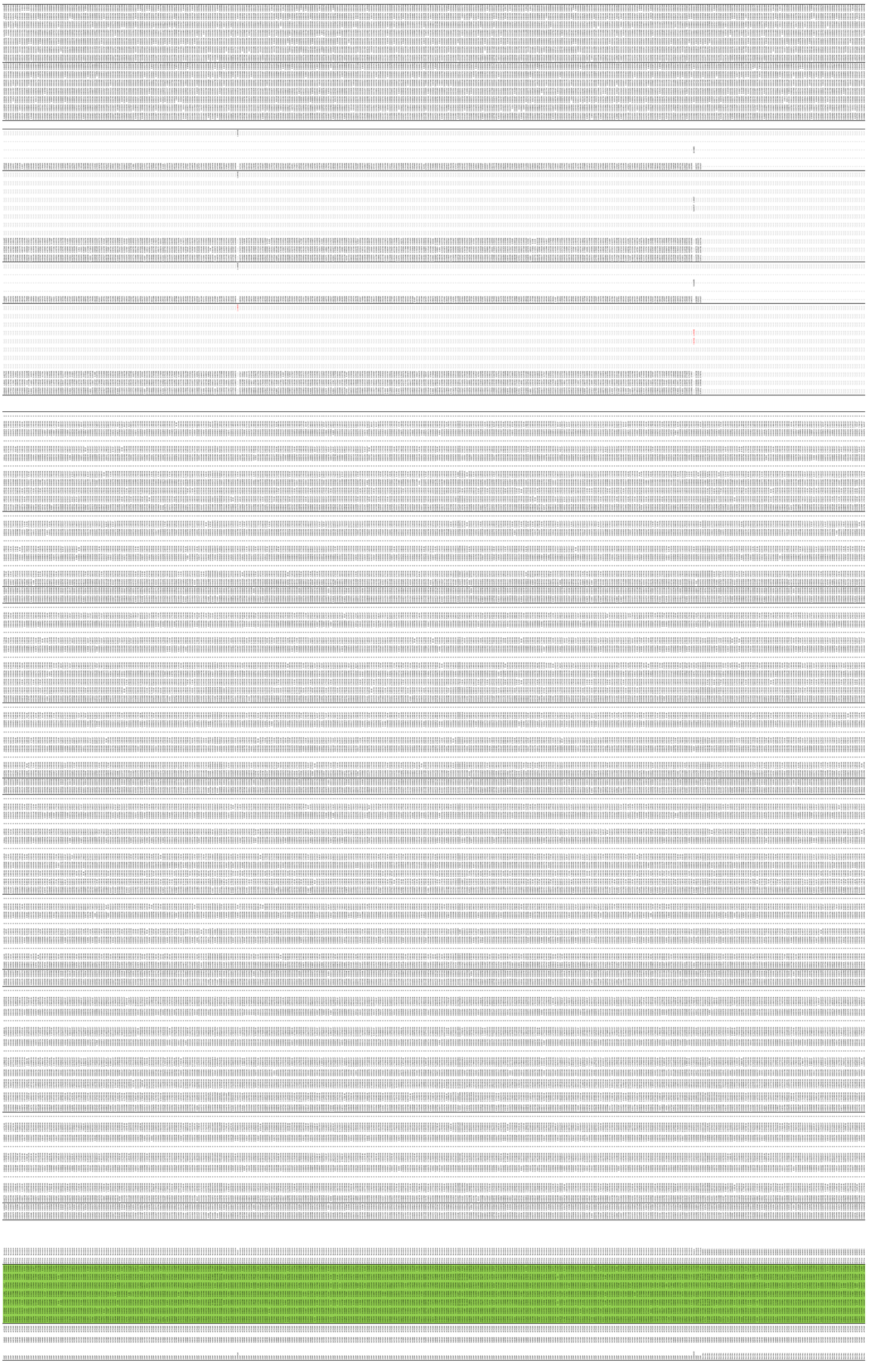


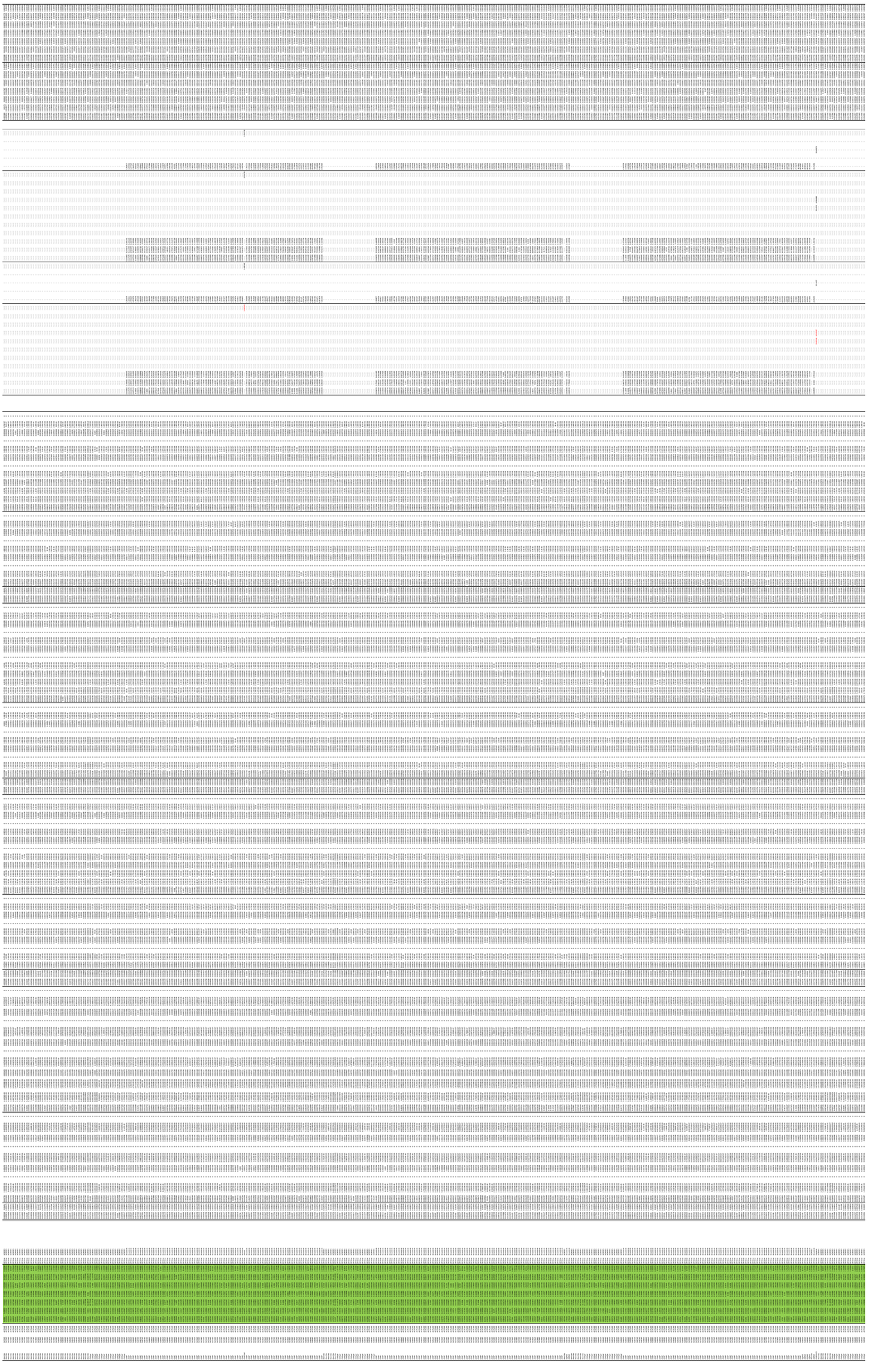


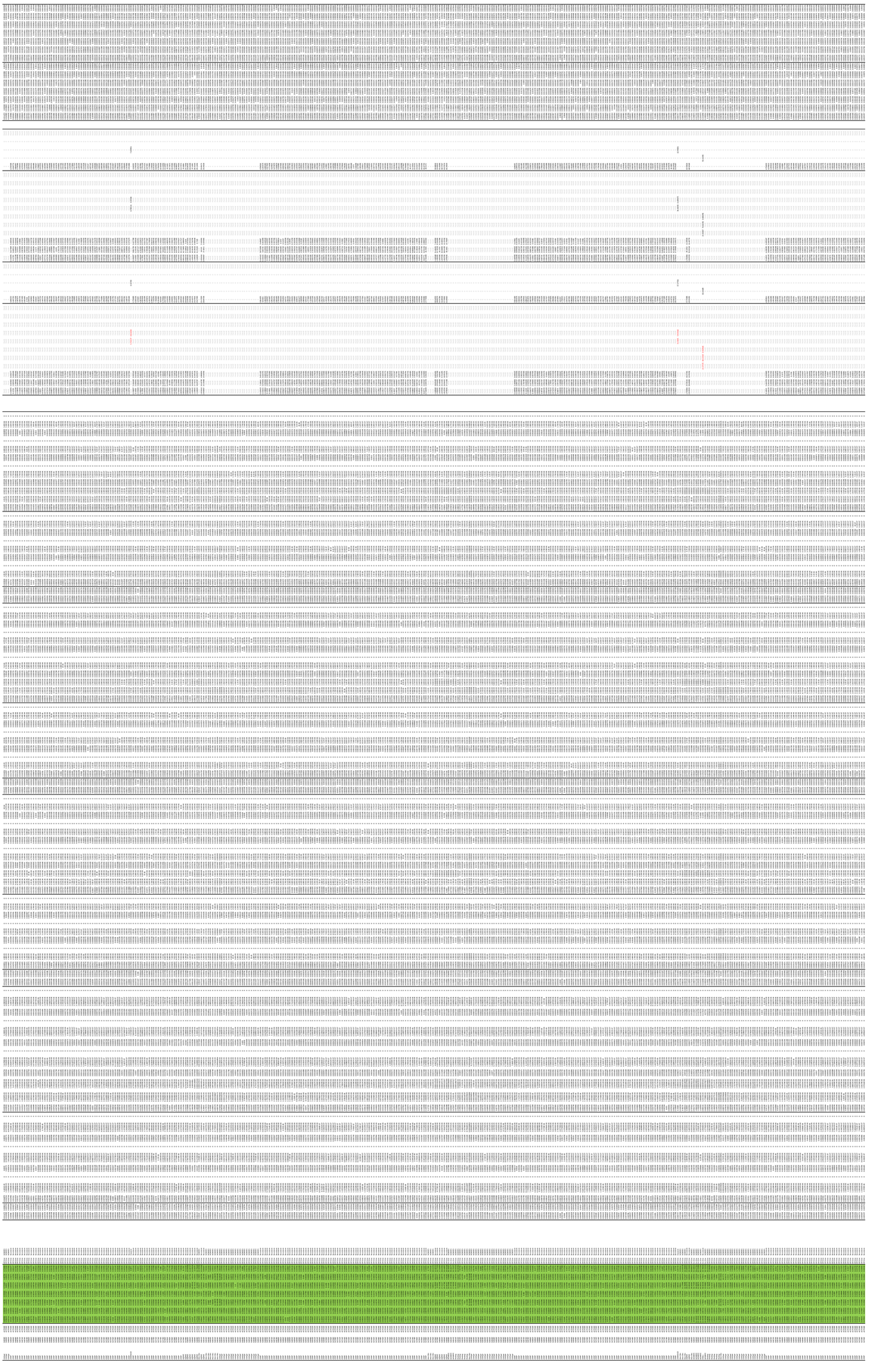


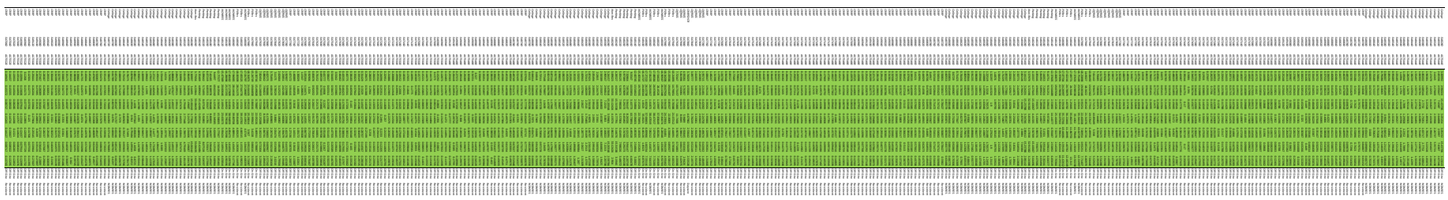


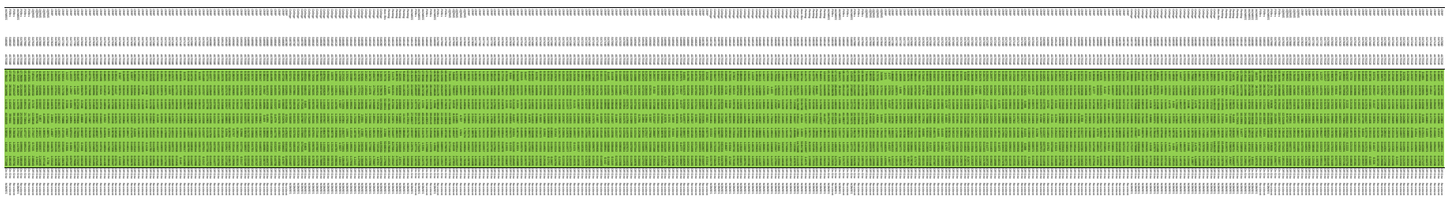


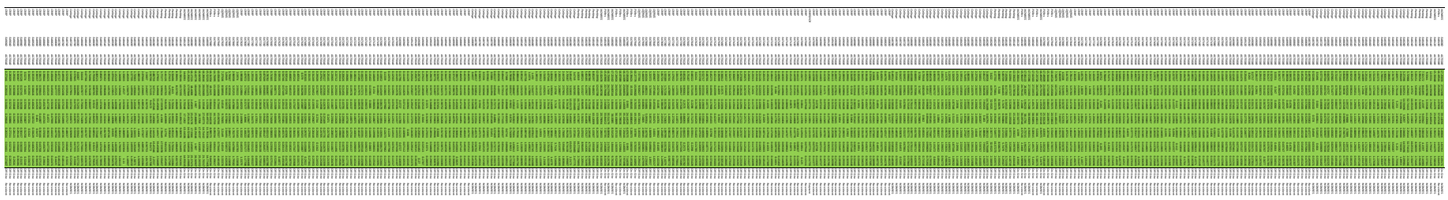


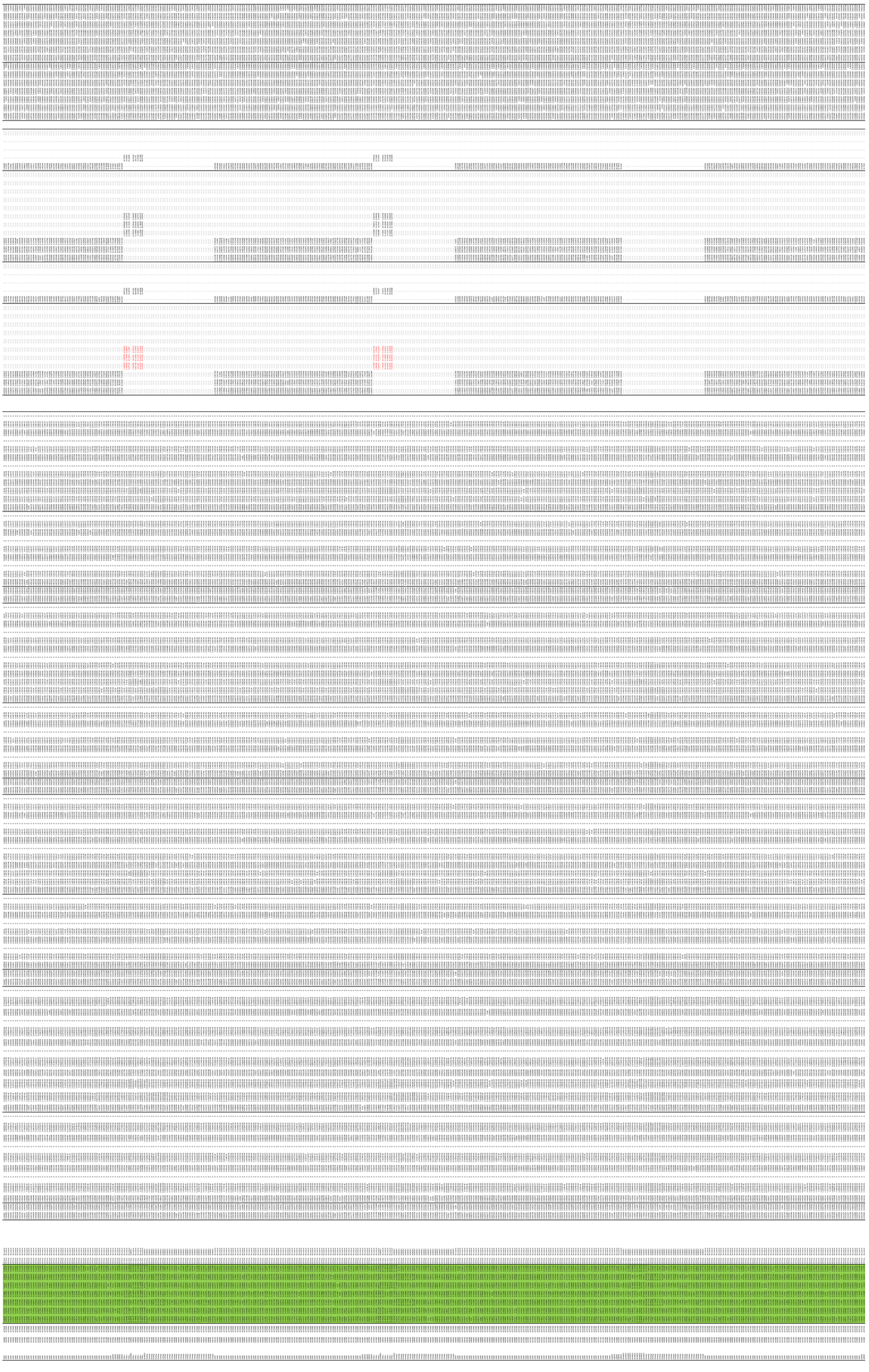


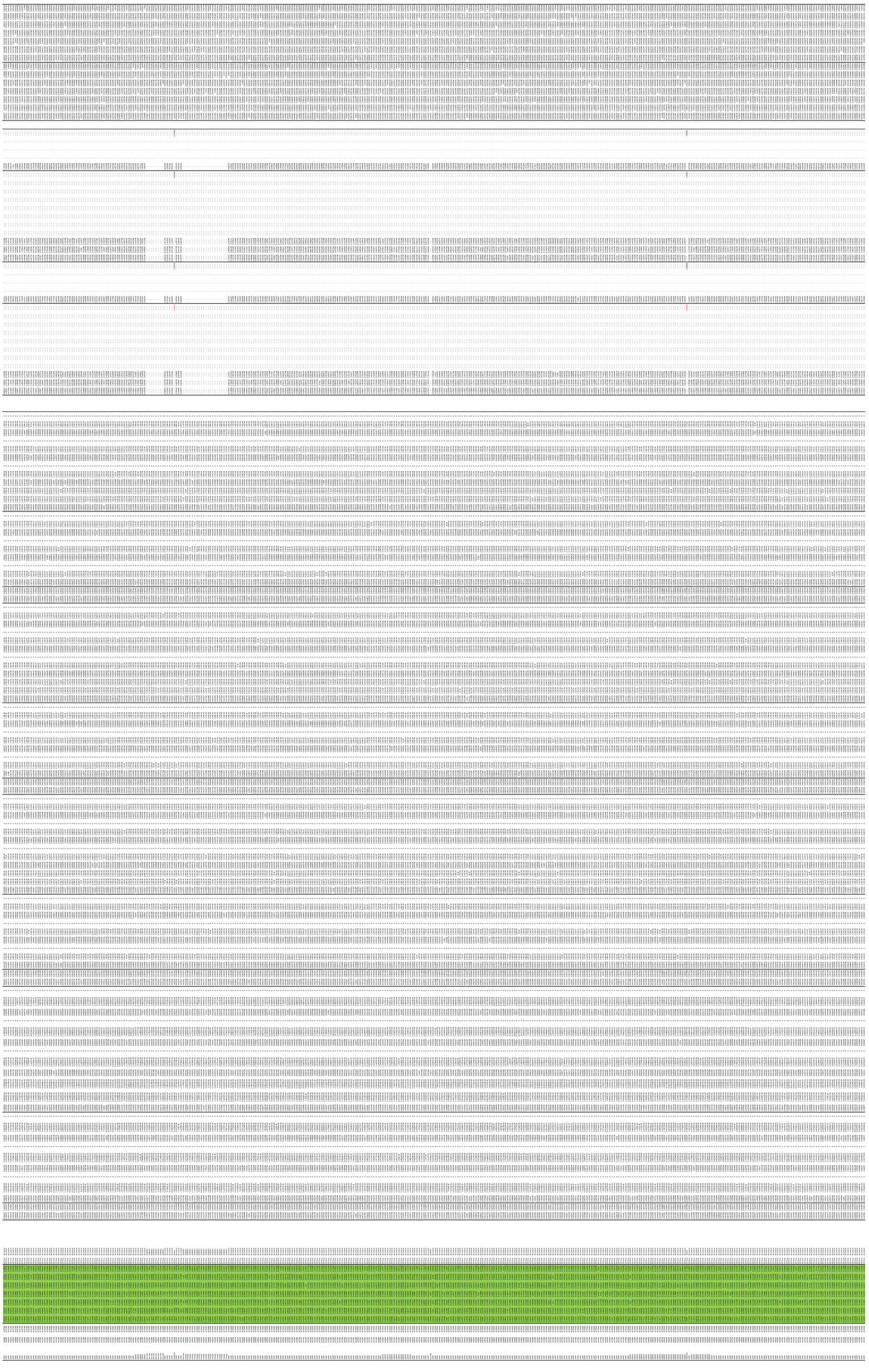


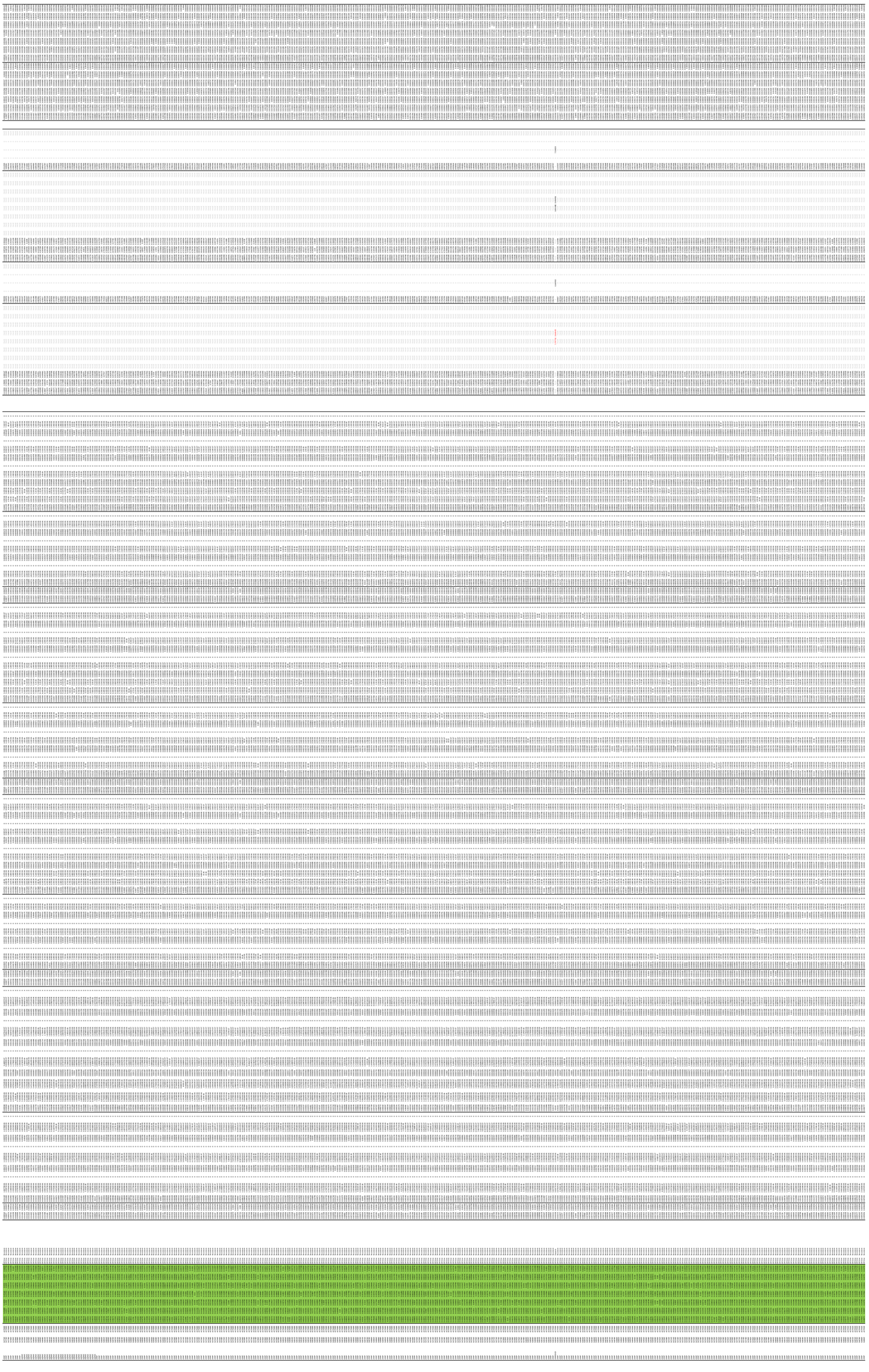


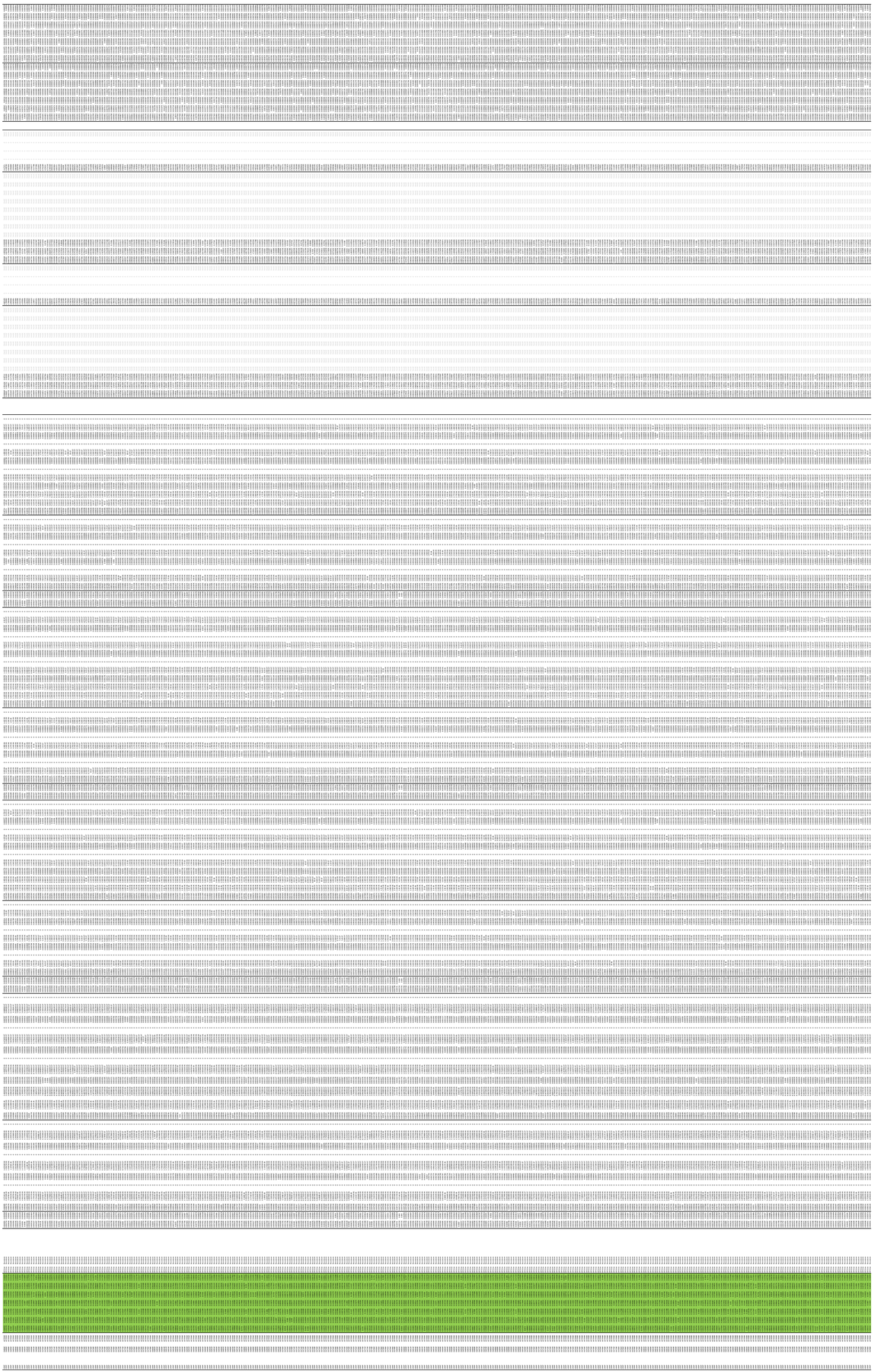


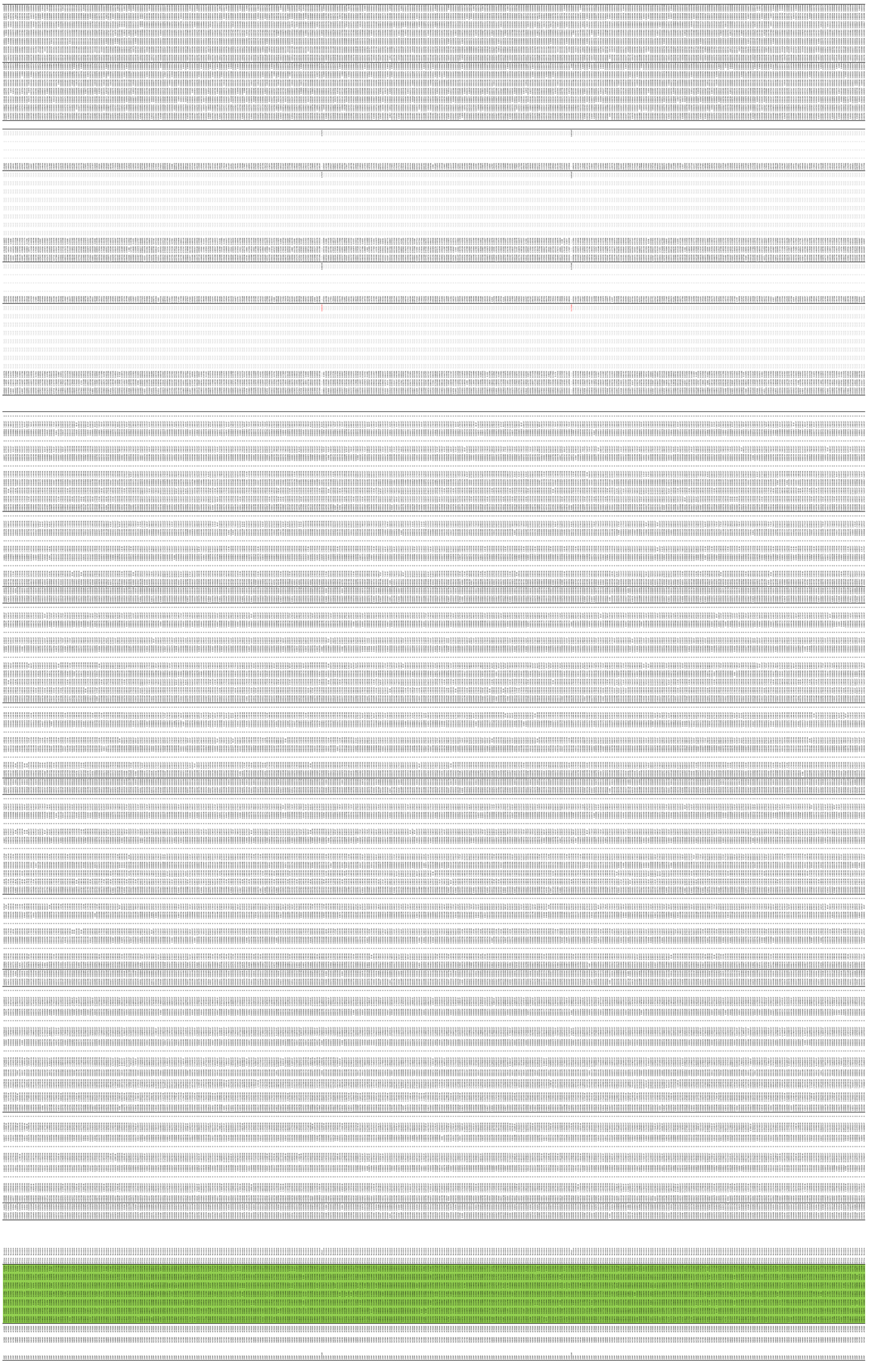


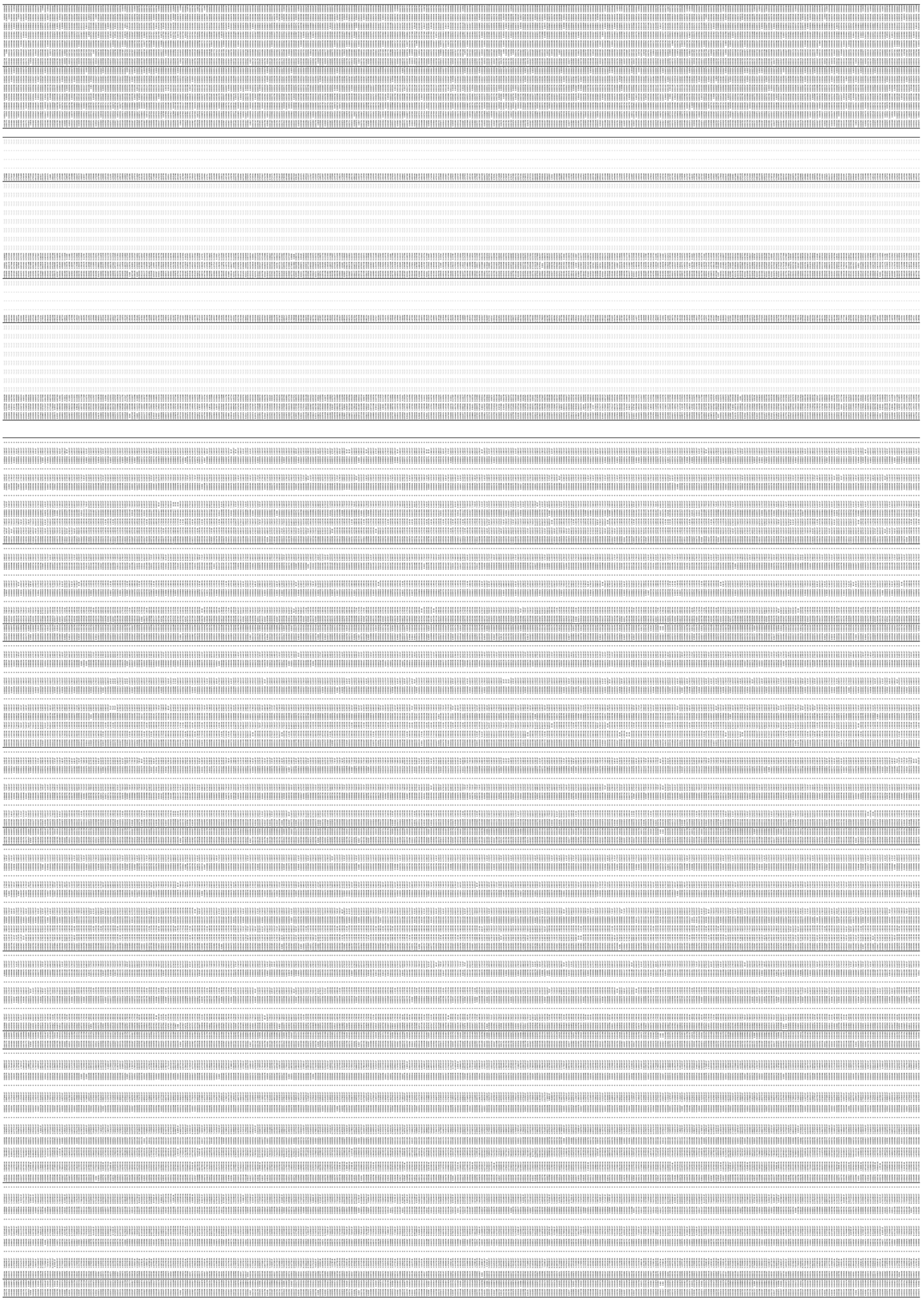


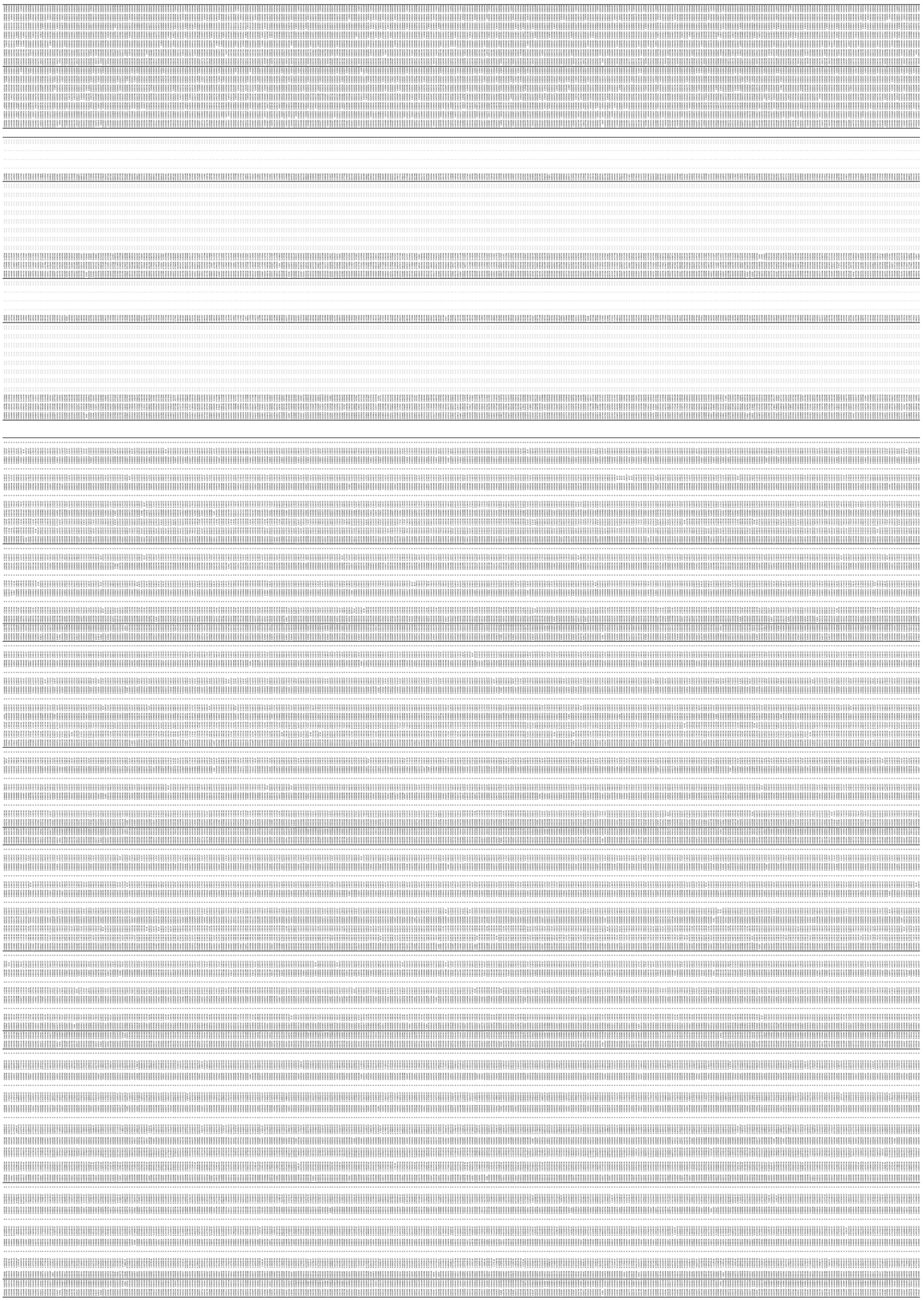


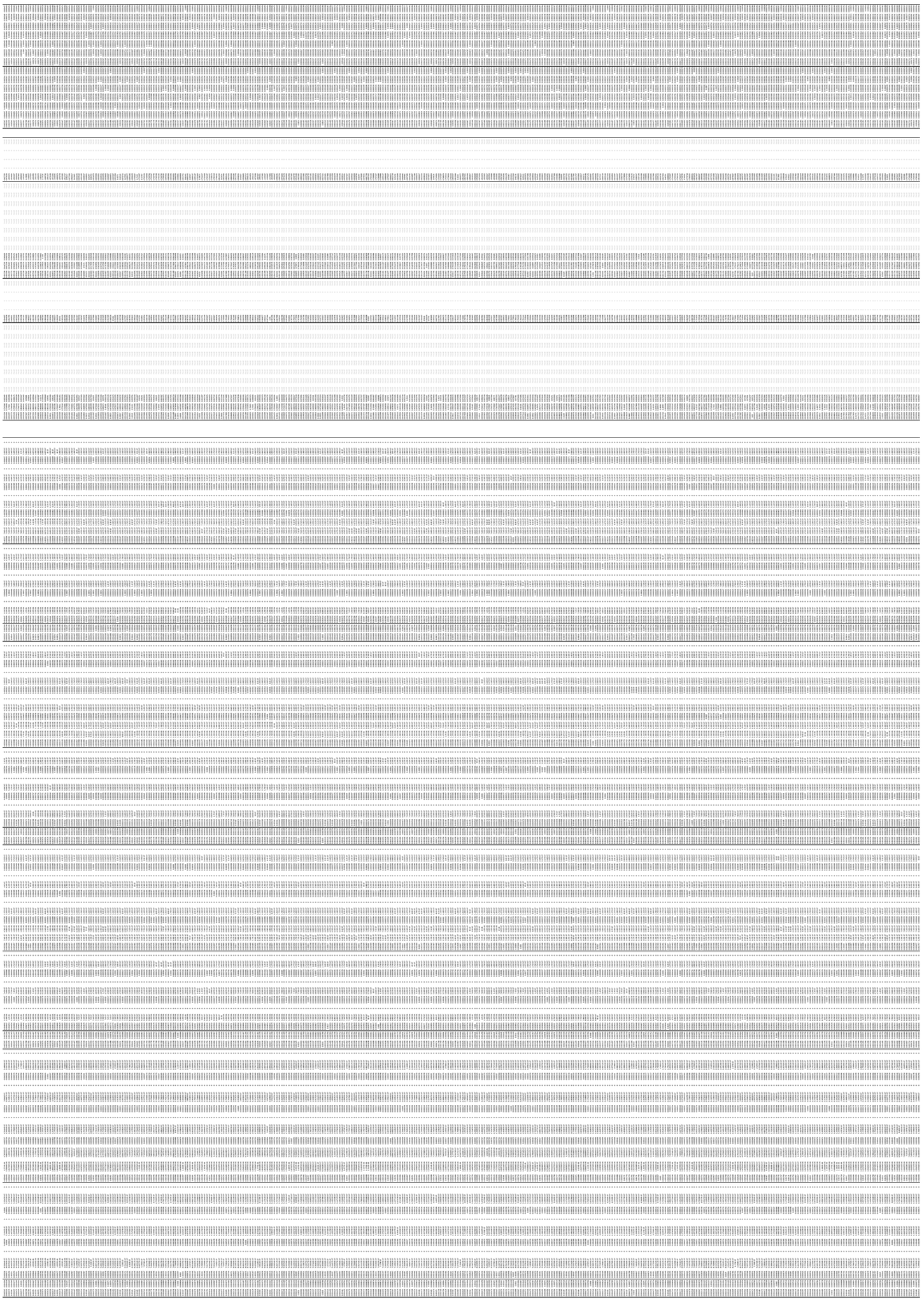


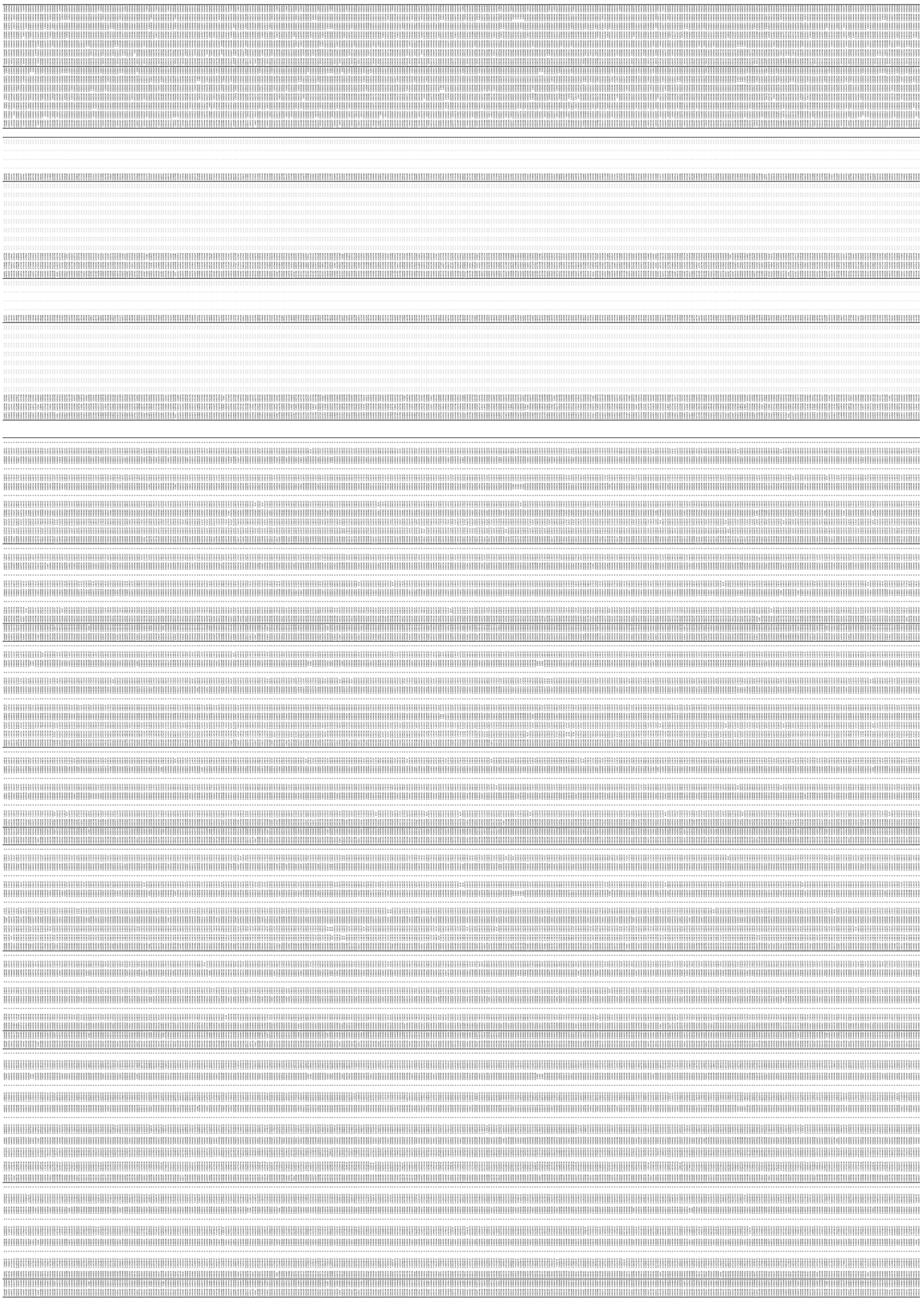


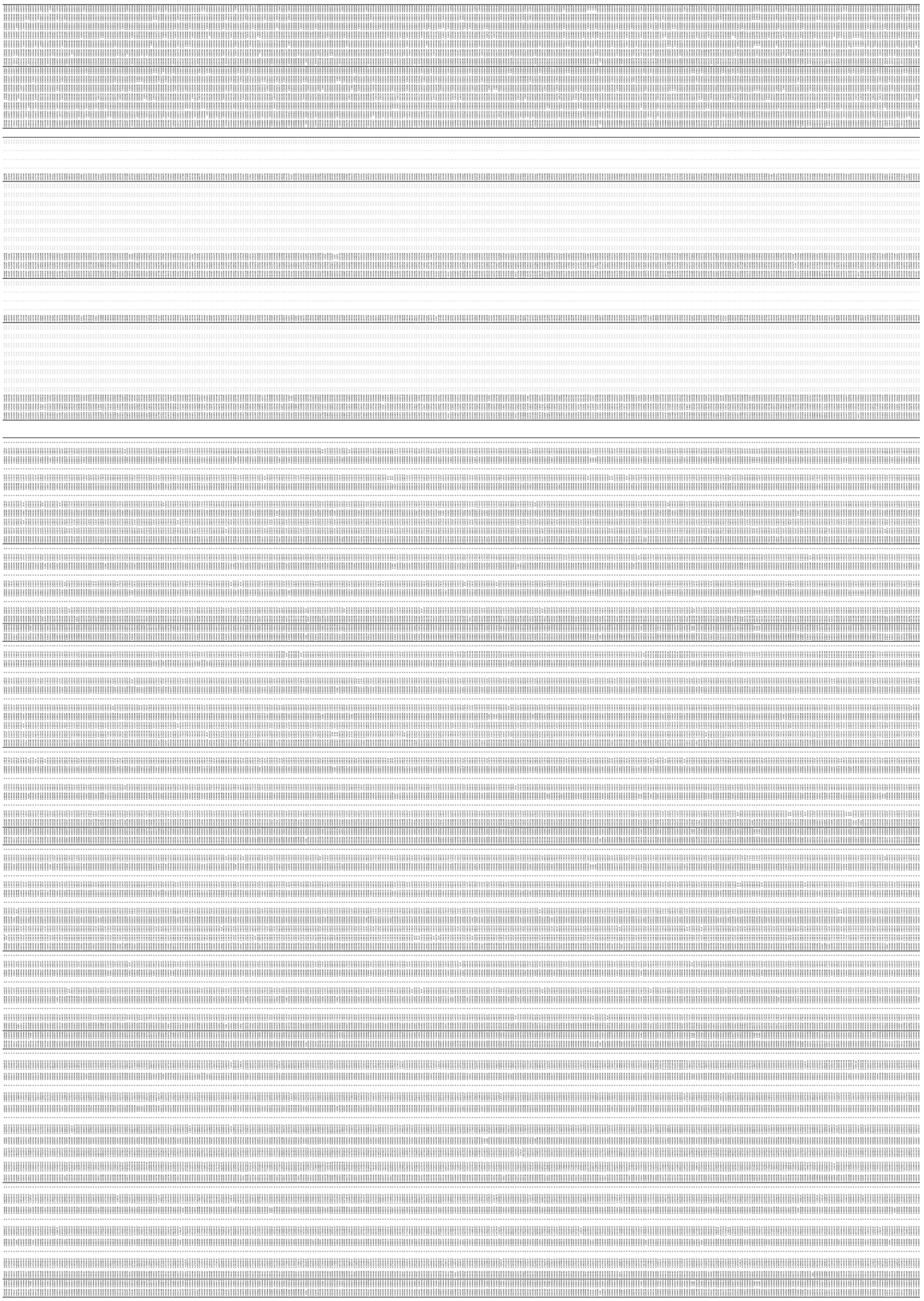


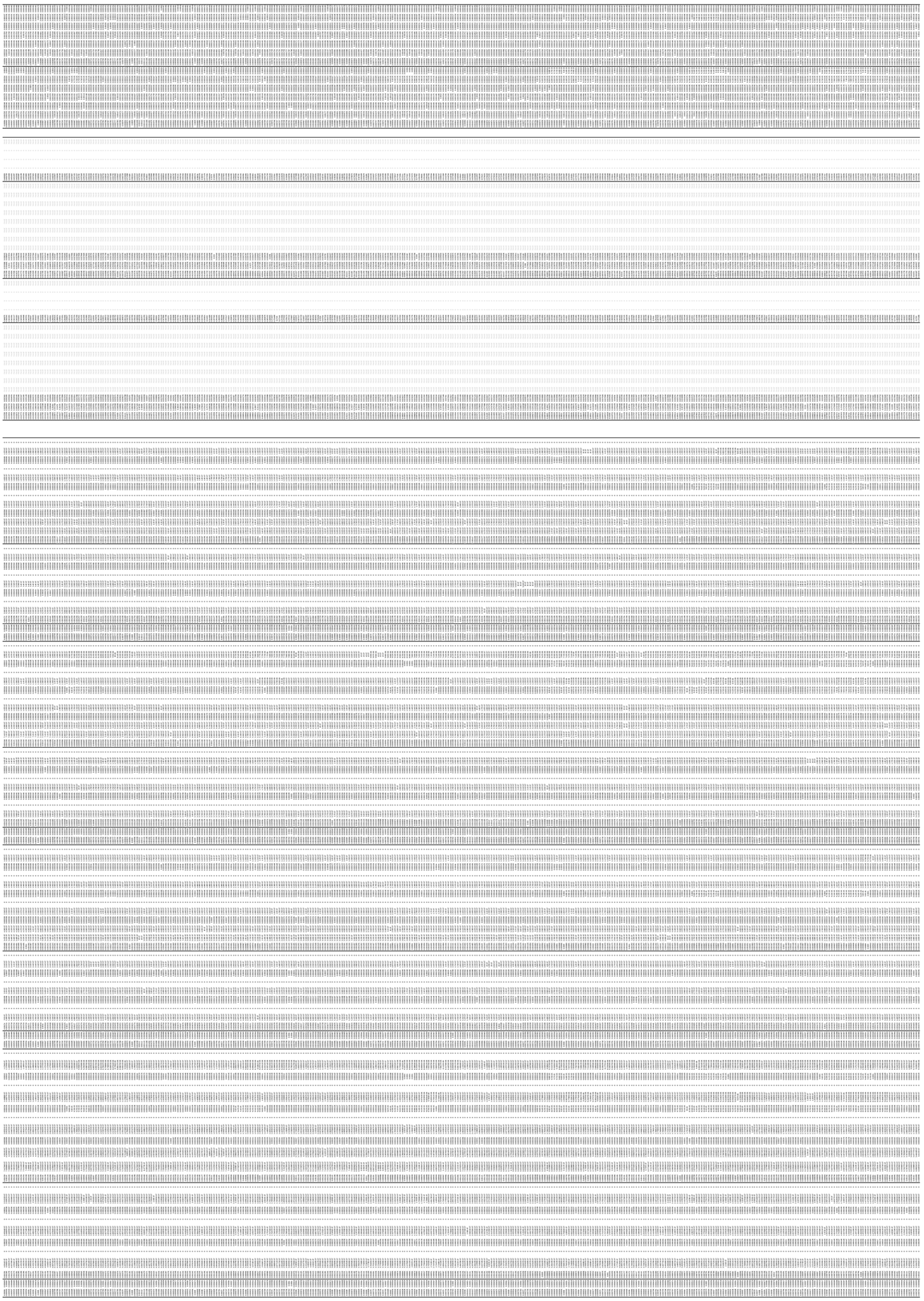


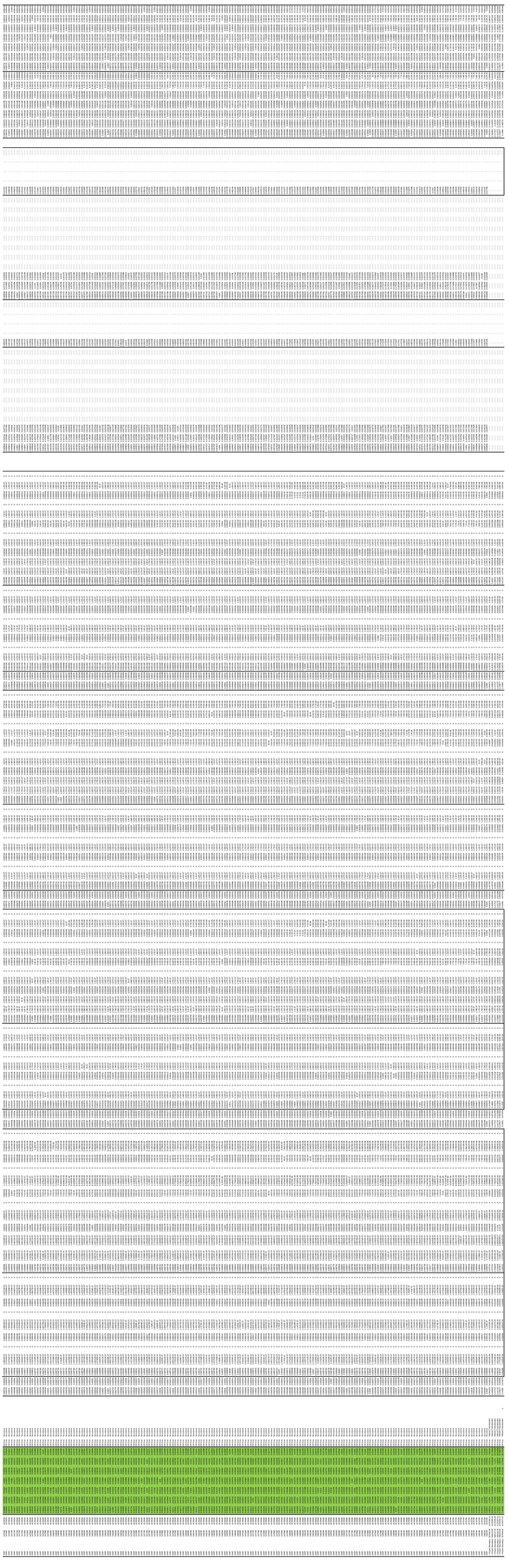












B11 Construction Health Risks and PM2.5 Concentrations – Controlled

Kelkos Resources - Hilo
Hilo Calculator - **v.2.0.0.0.0**
Hilo Calculator - **v.2.0.0.0.0**

Alpha Test Recommendations
Please enter your Resting HR and Max HR measurements for optimization
Attempt to record a run everyday (Tip!) it can maximize only the actual runs you enter, for each one you're activate recommendations.
This is, there for each scenario, plan about, and consider type (Aerobic, Anaerobic, and others)
Tip: Use the Hilo Calculator to plan your runs, and consider the Hilo Calculator Tab Name for each planned Race
This is performed for the recommender system and the model learns how you train

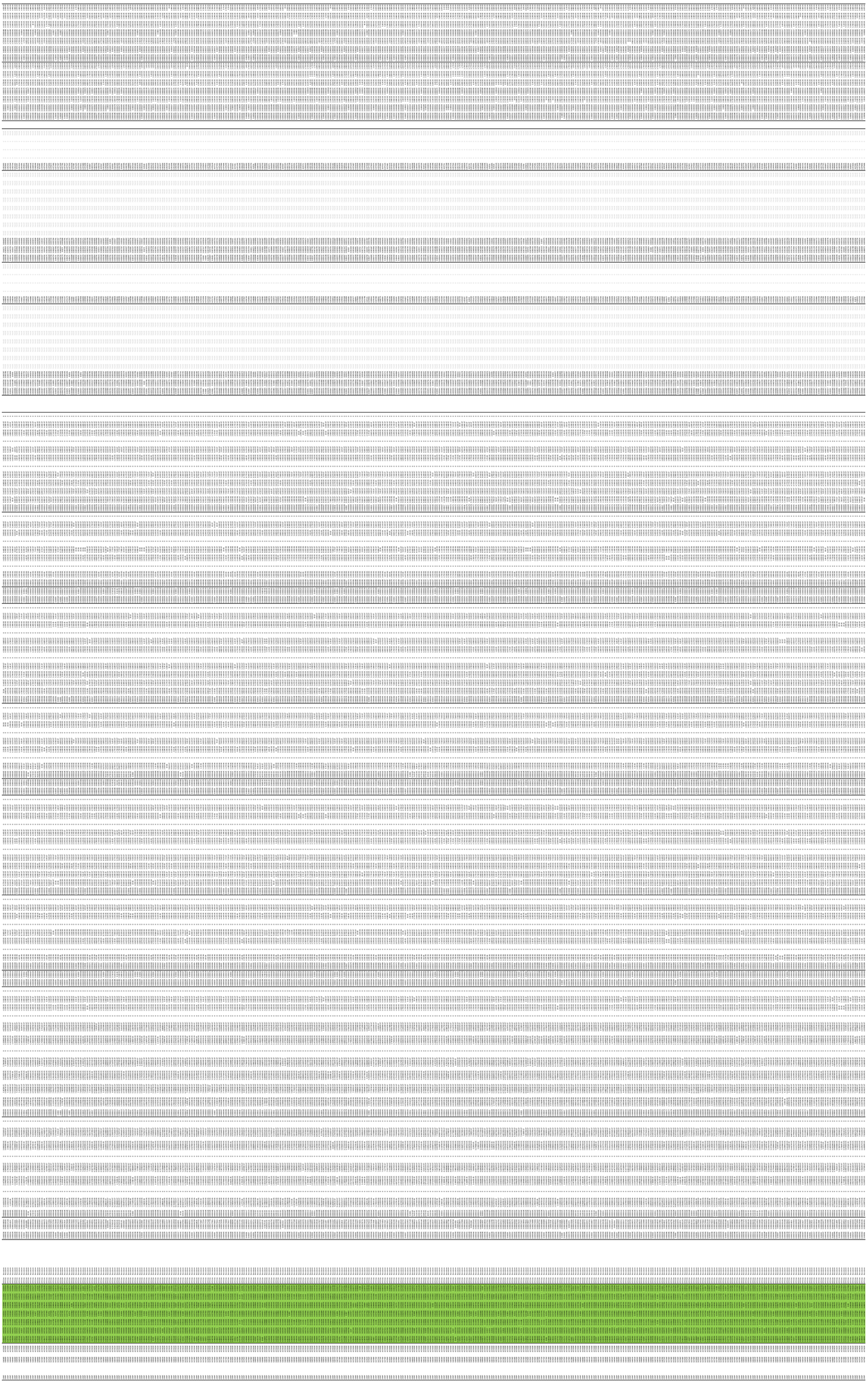
Warning
Concurrent on ATRIMIN Concentrations, - Cycle Fit:6339629837052552:Date0017101100 - Reduce Recovery!!!Stacking Fatigue!!!

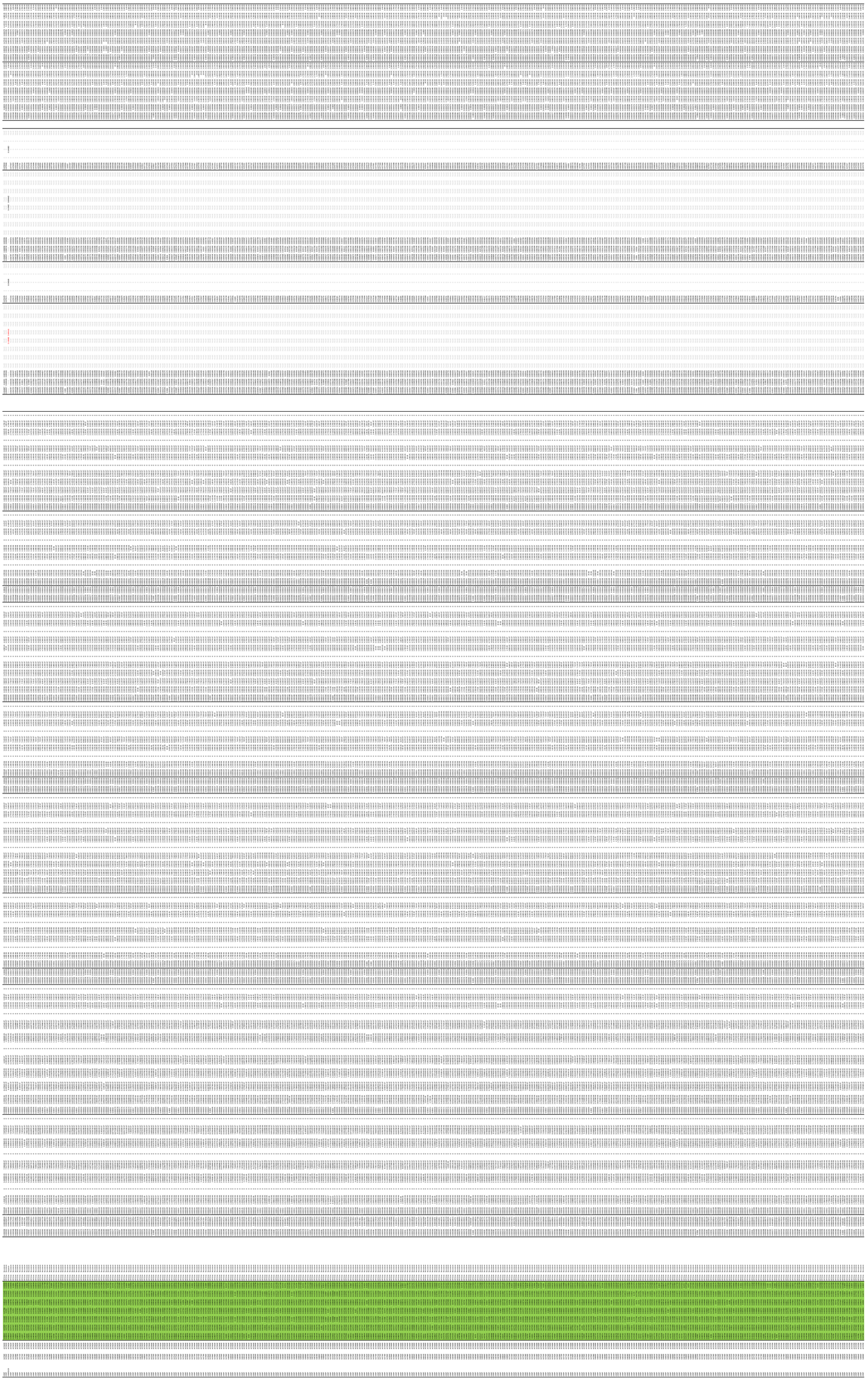
Warning
Concurrent on Time: ATRIMIN

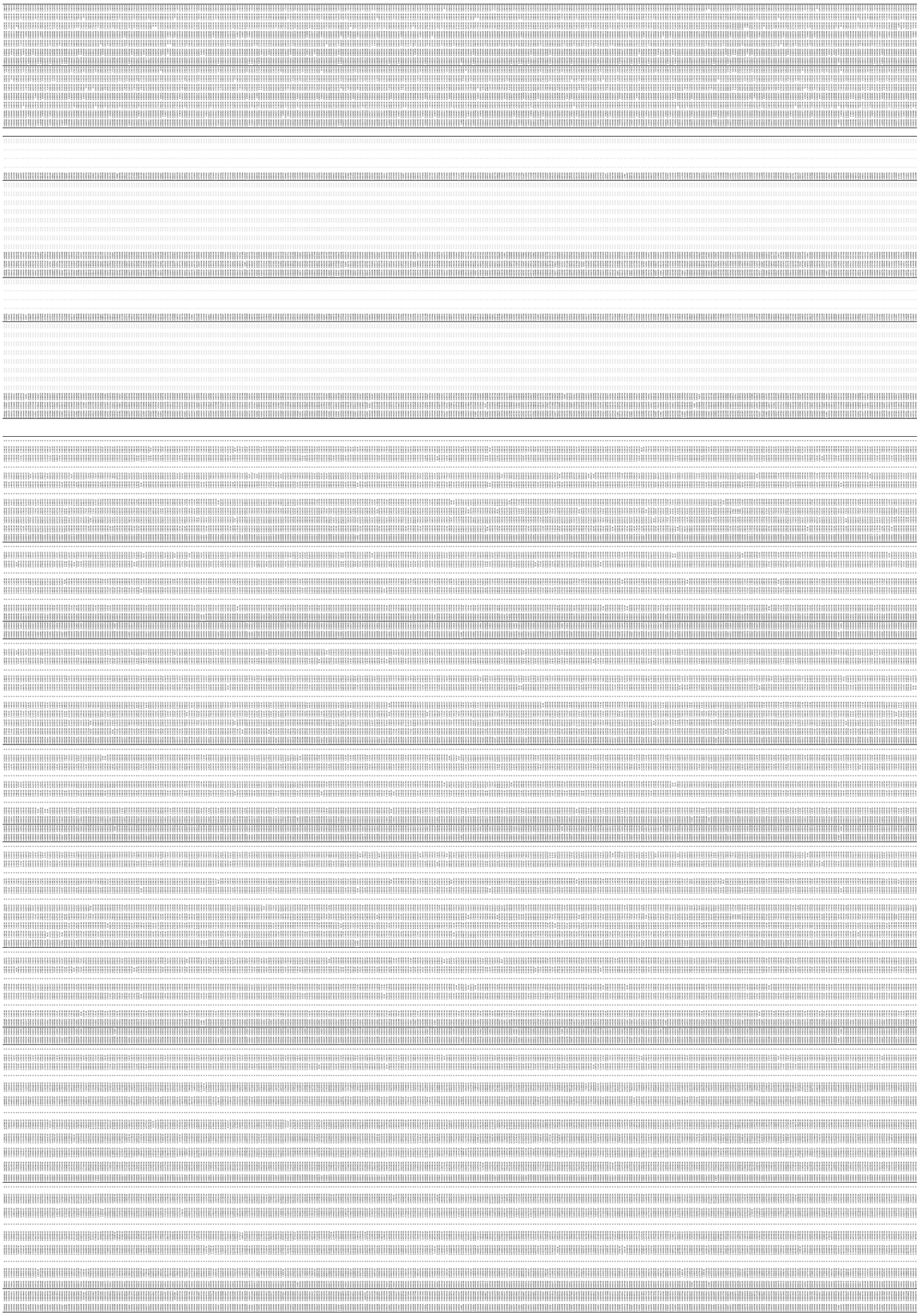
Warning - Optimum Training Load Reached

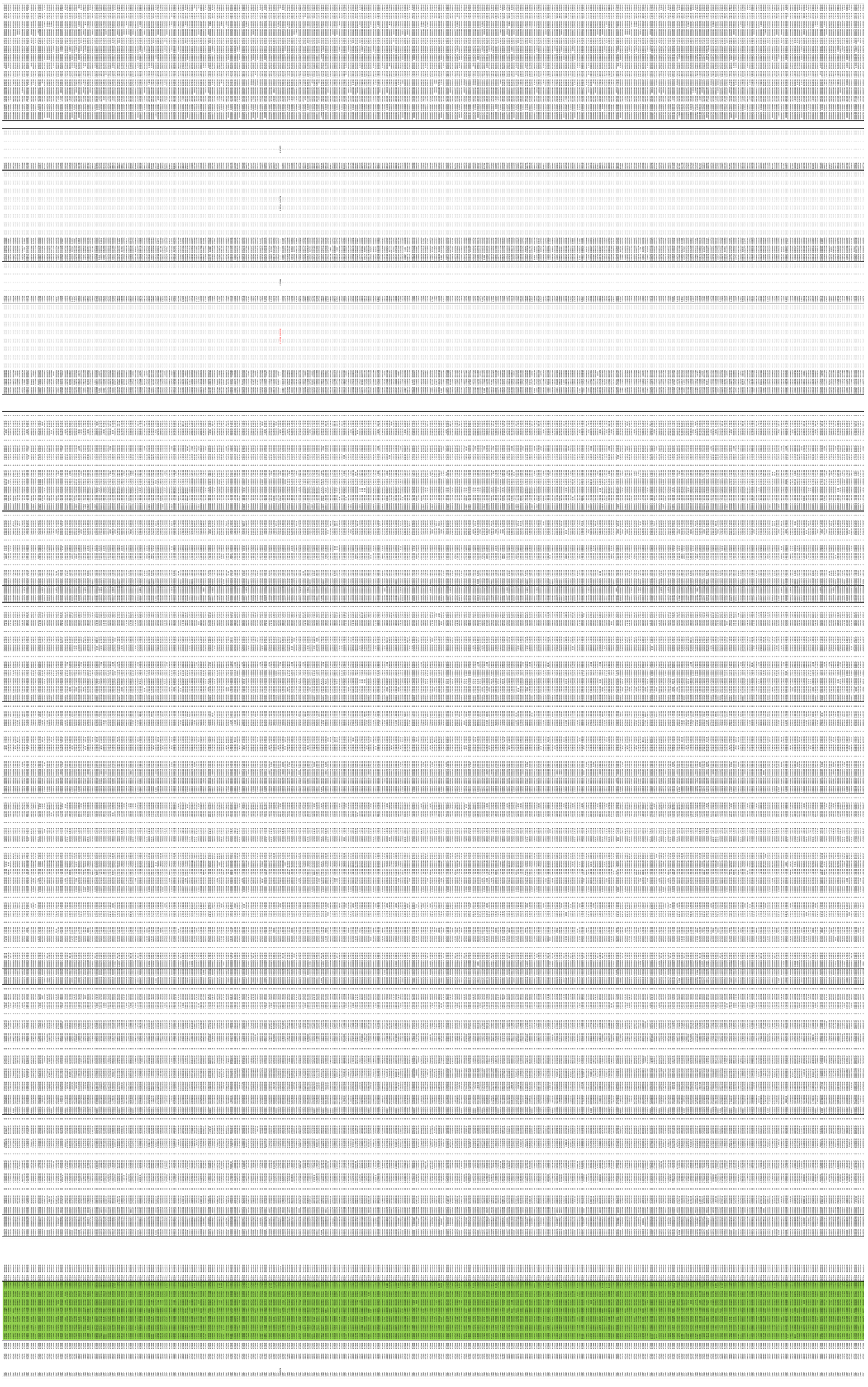
Hilo Calculator

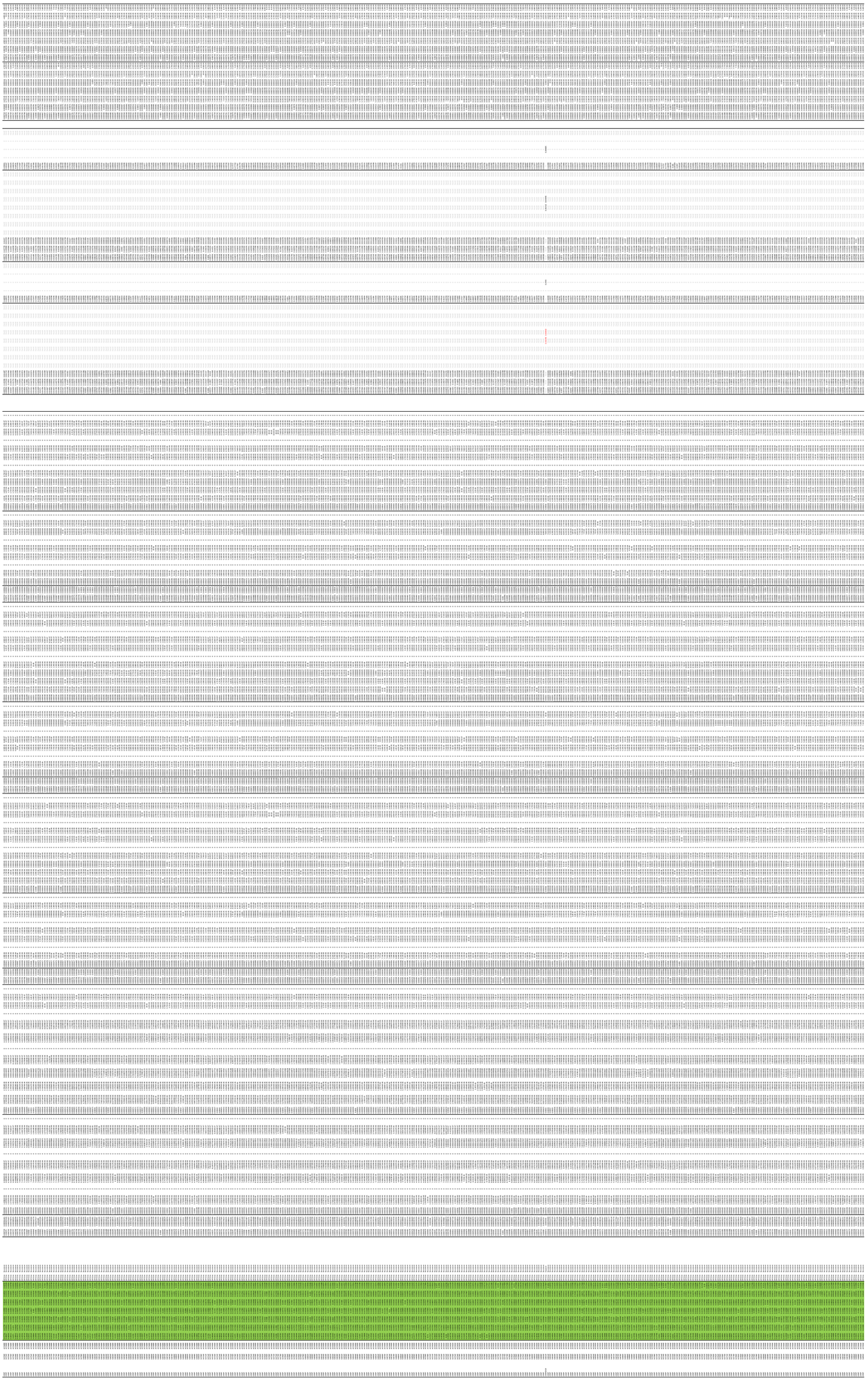
| Hilo Calculator | Hilo Calculator | Hilo Calculator |

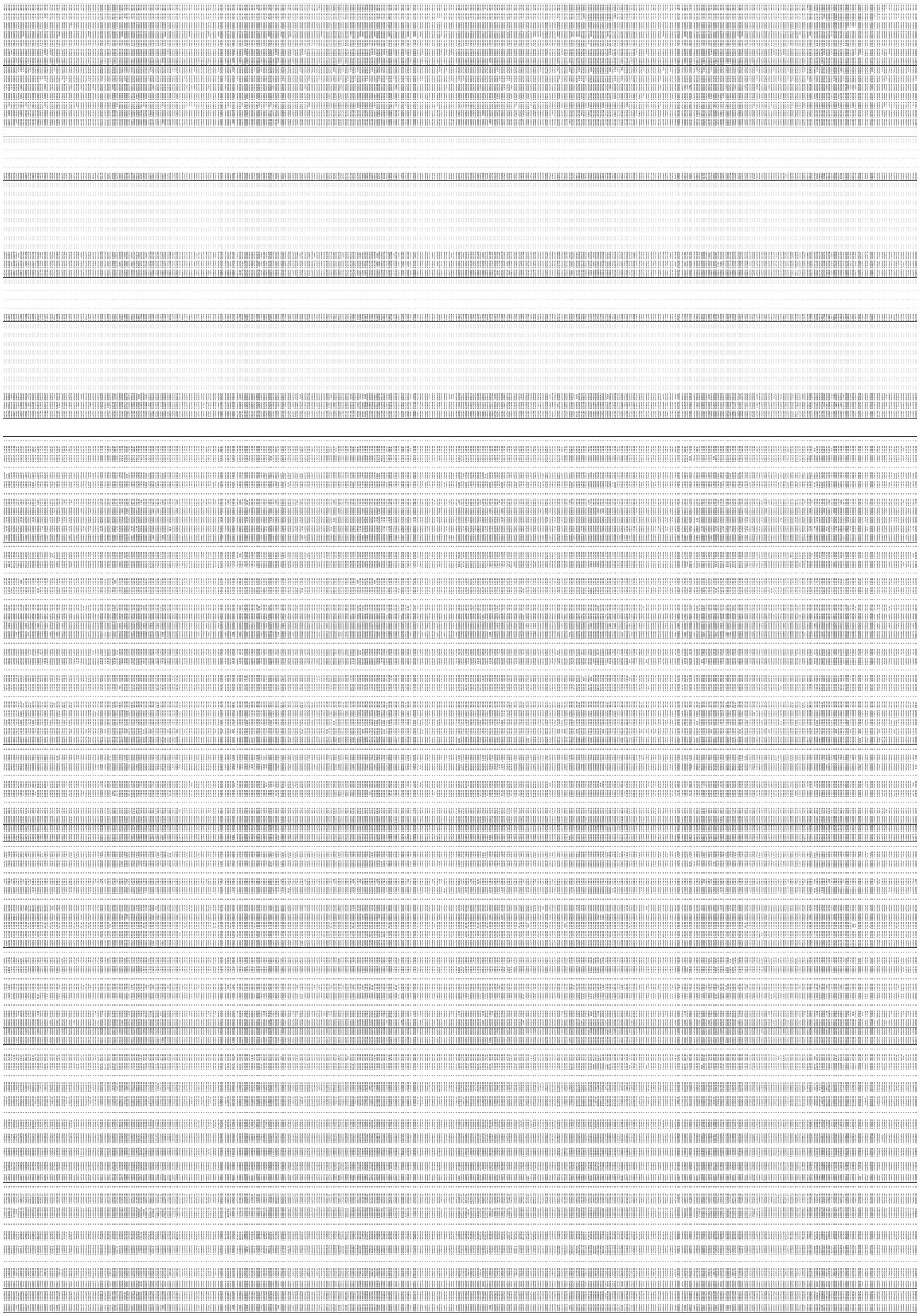


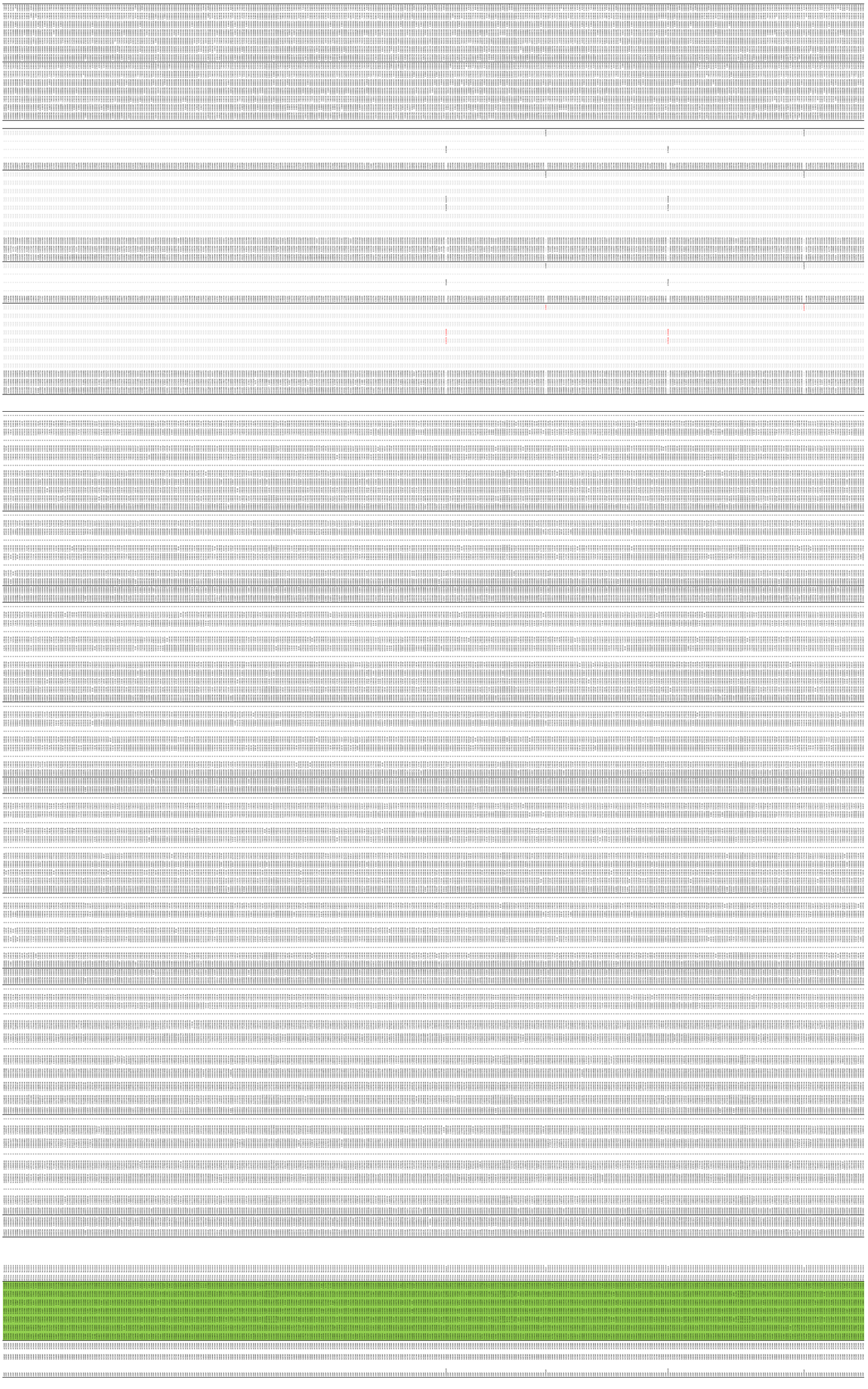


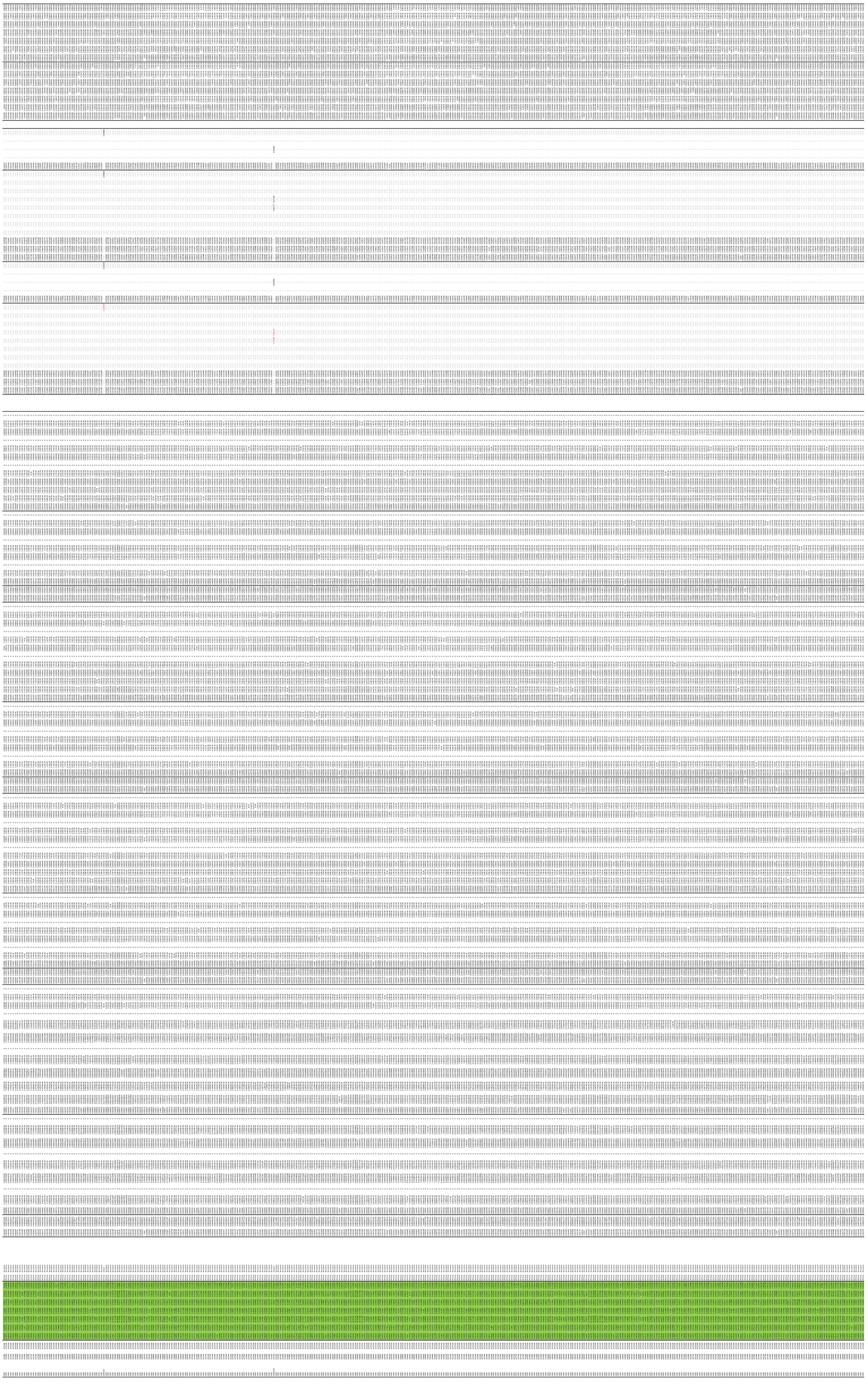


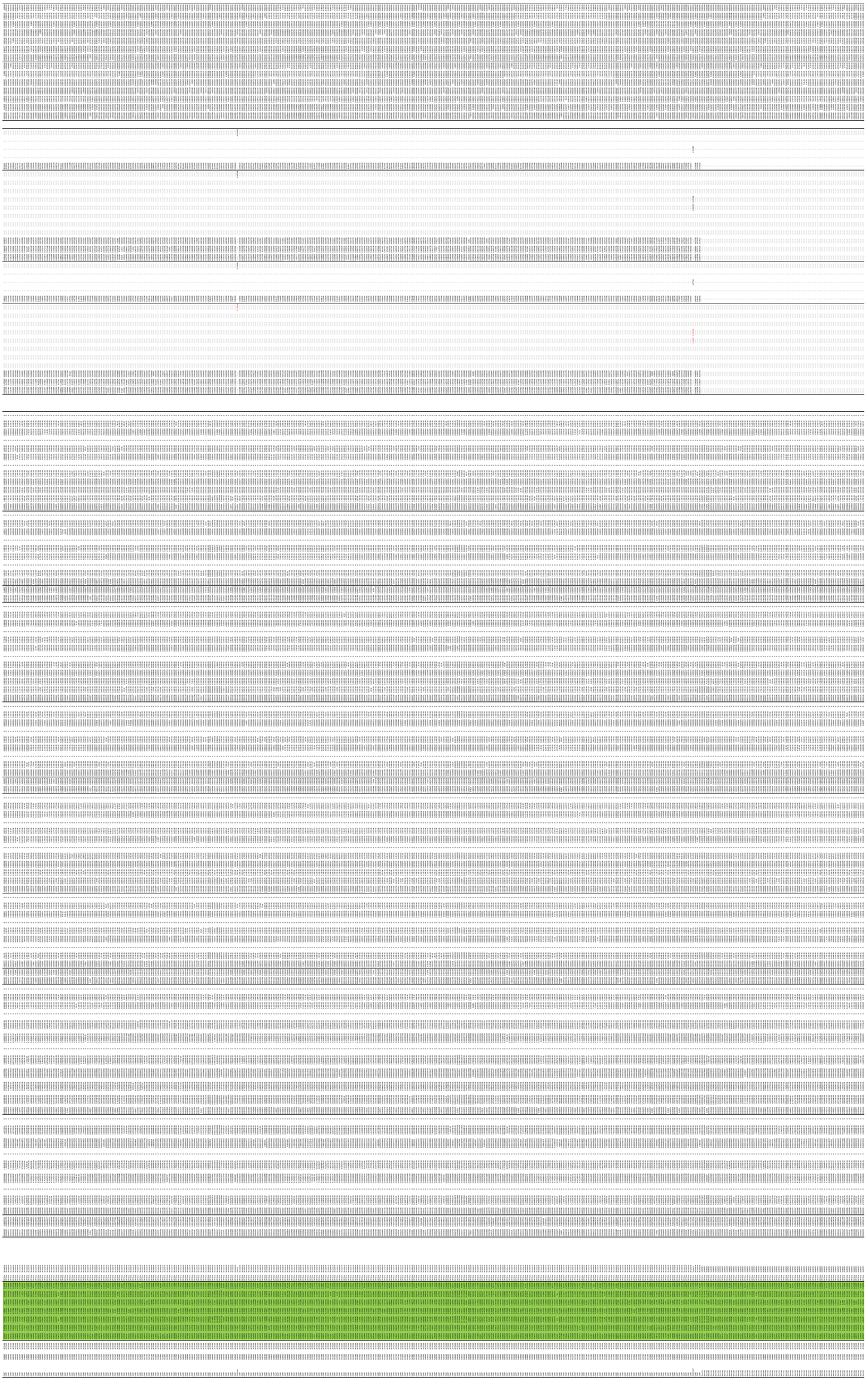


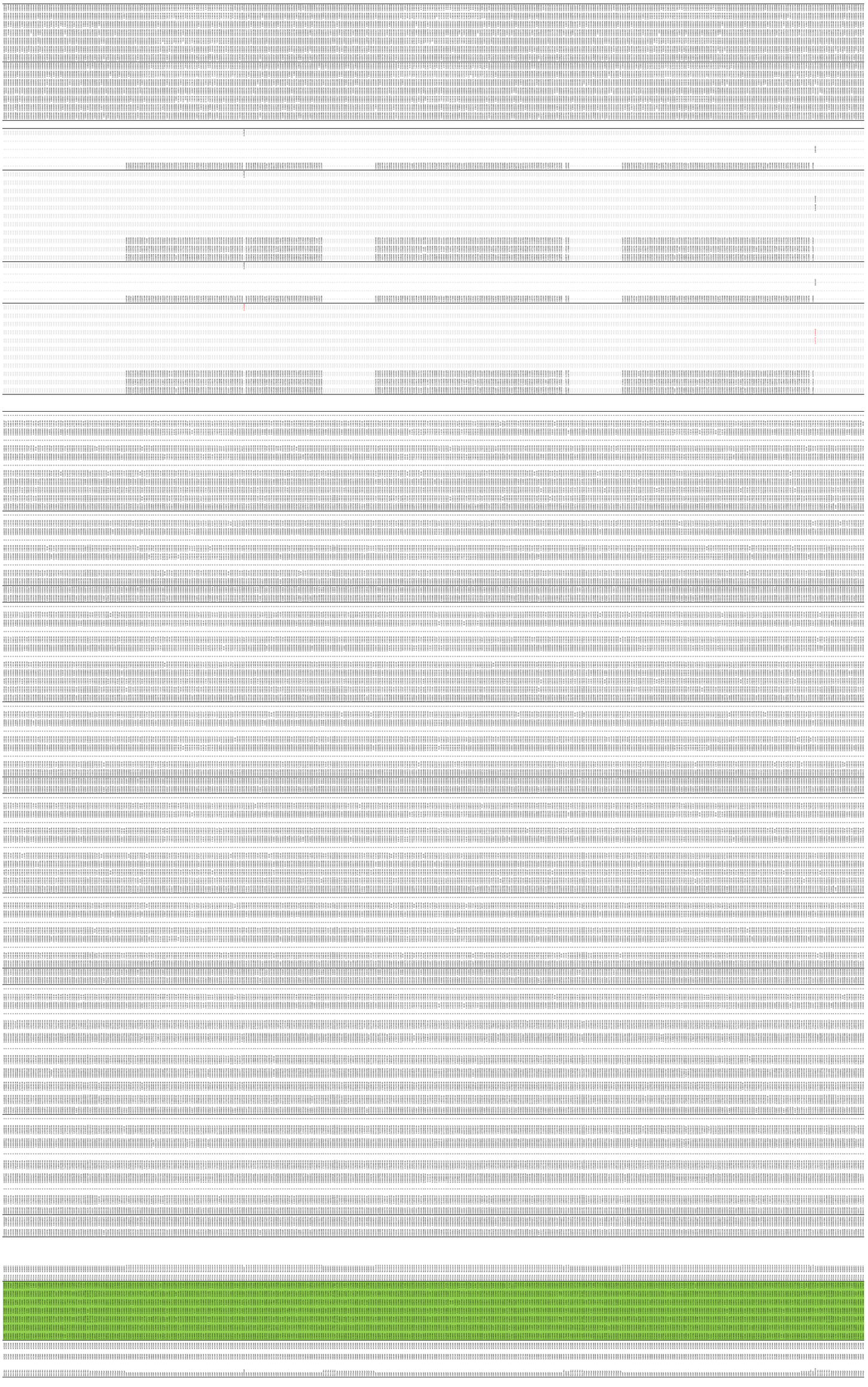


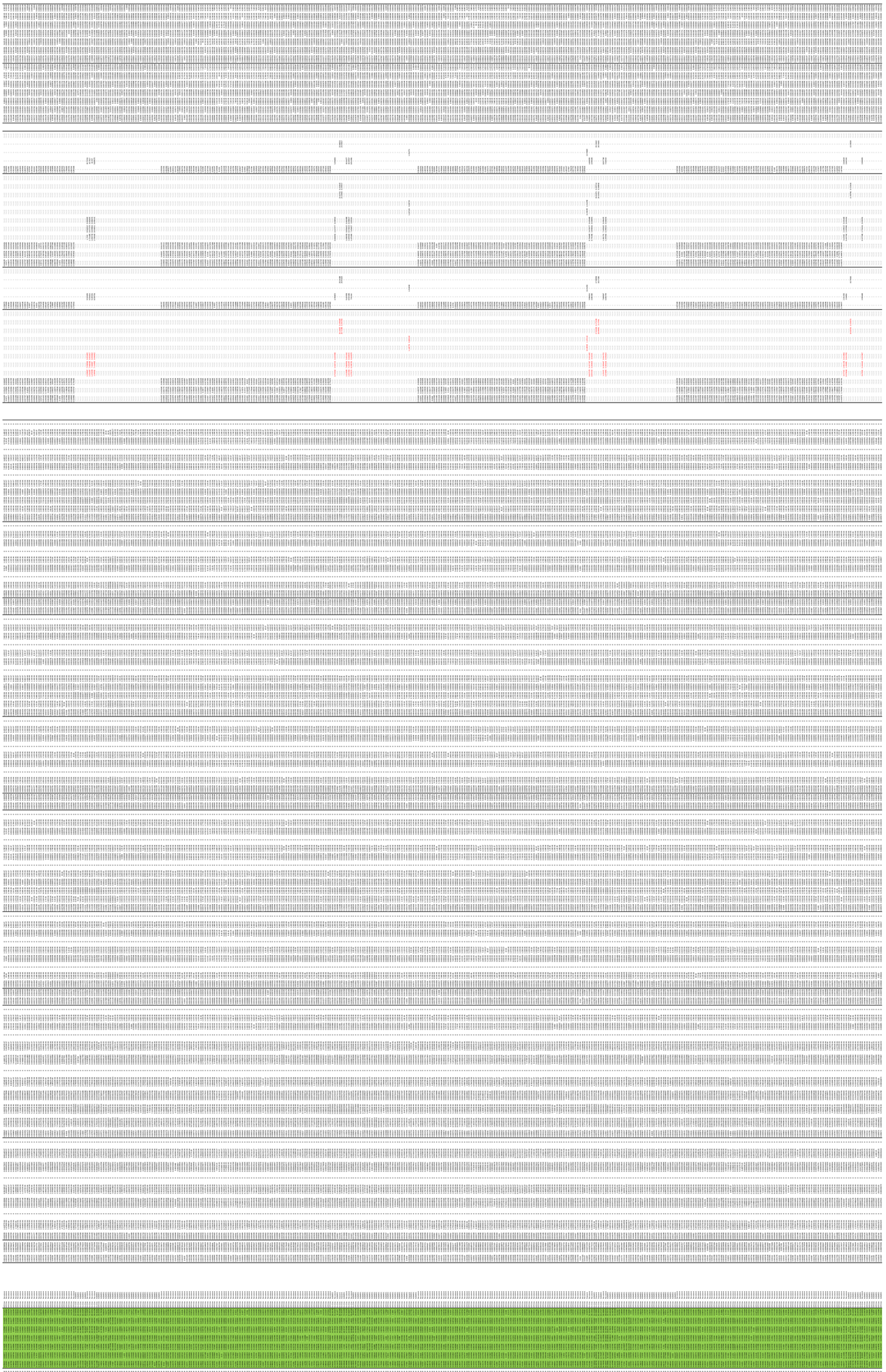


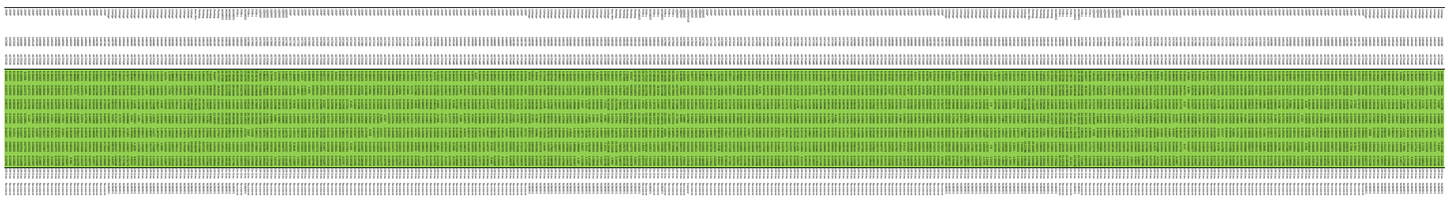


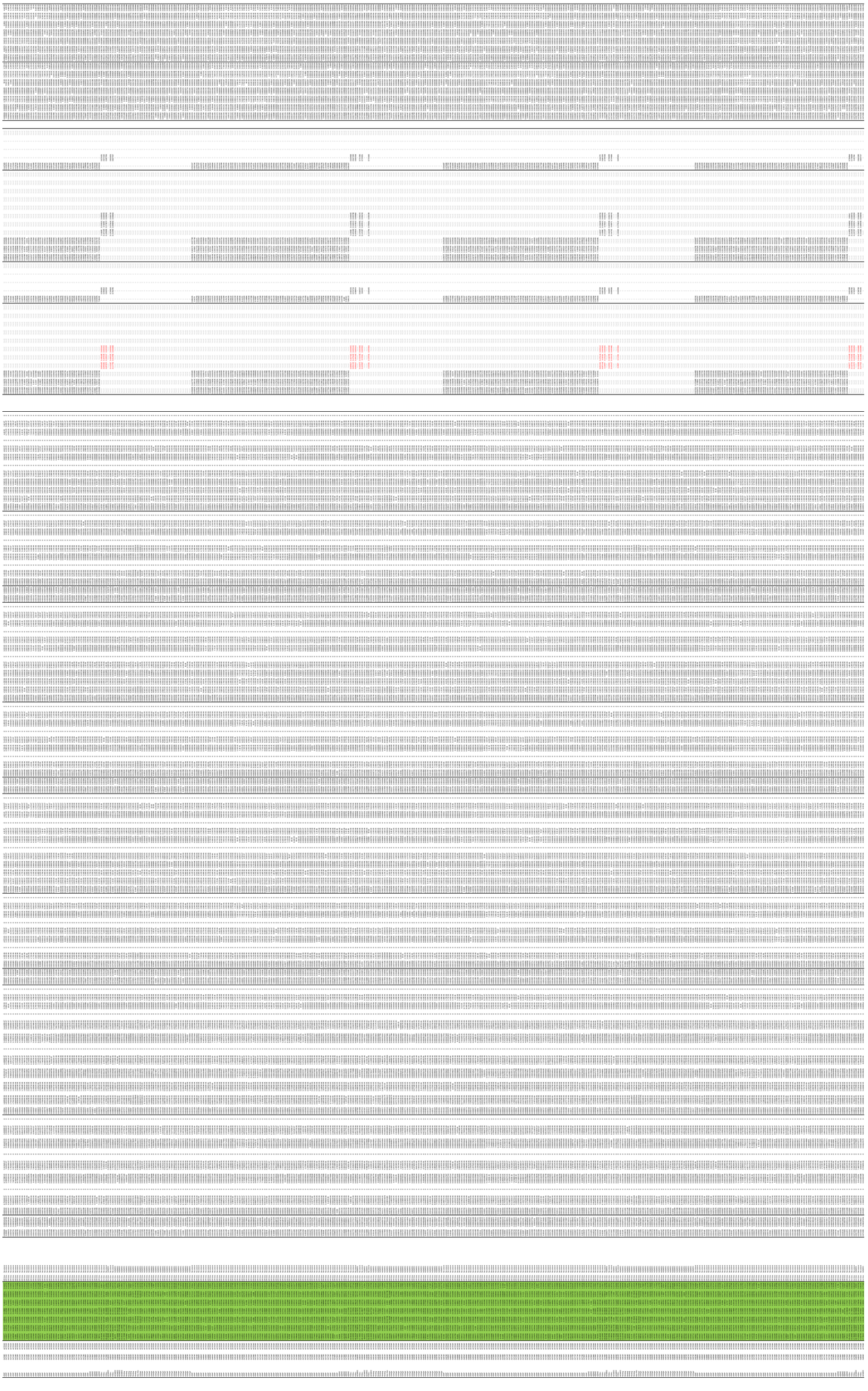


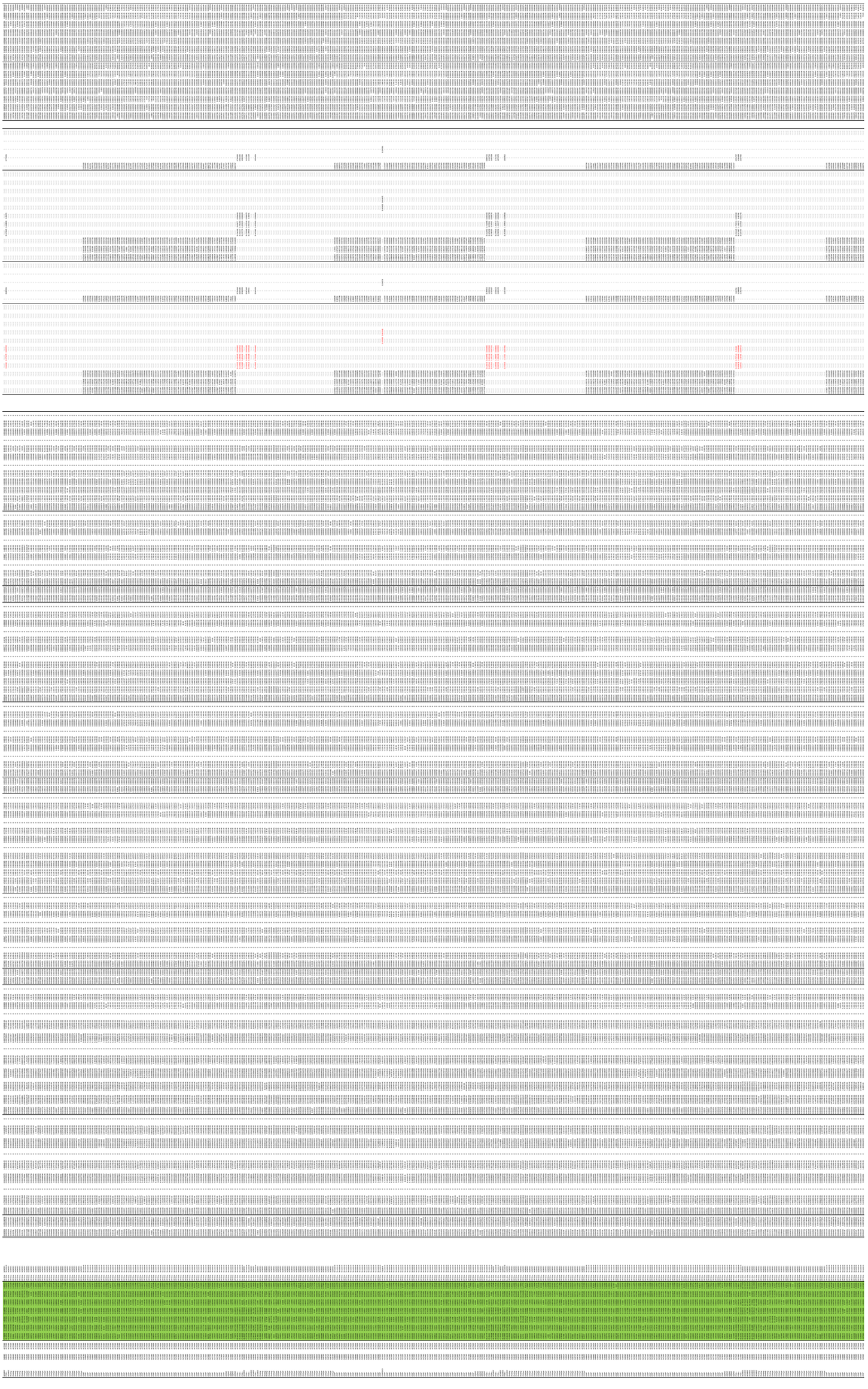


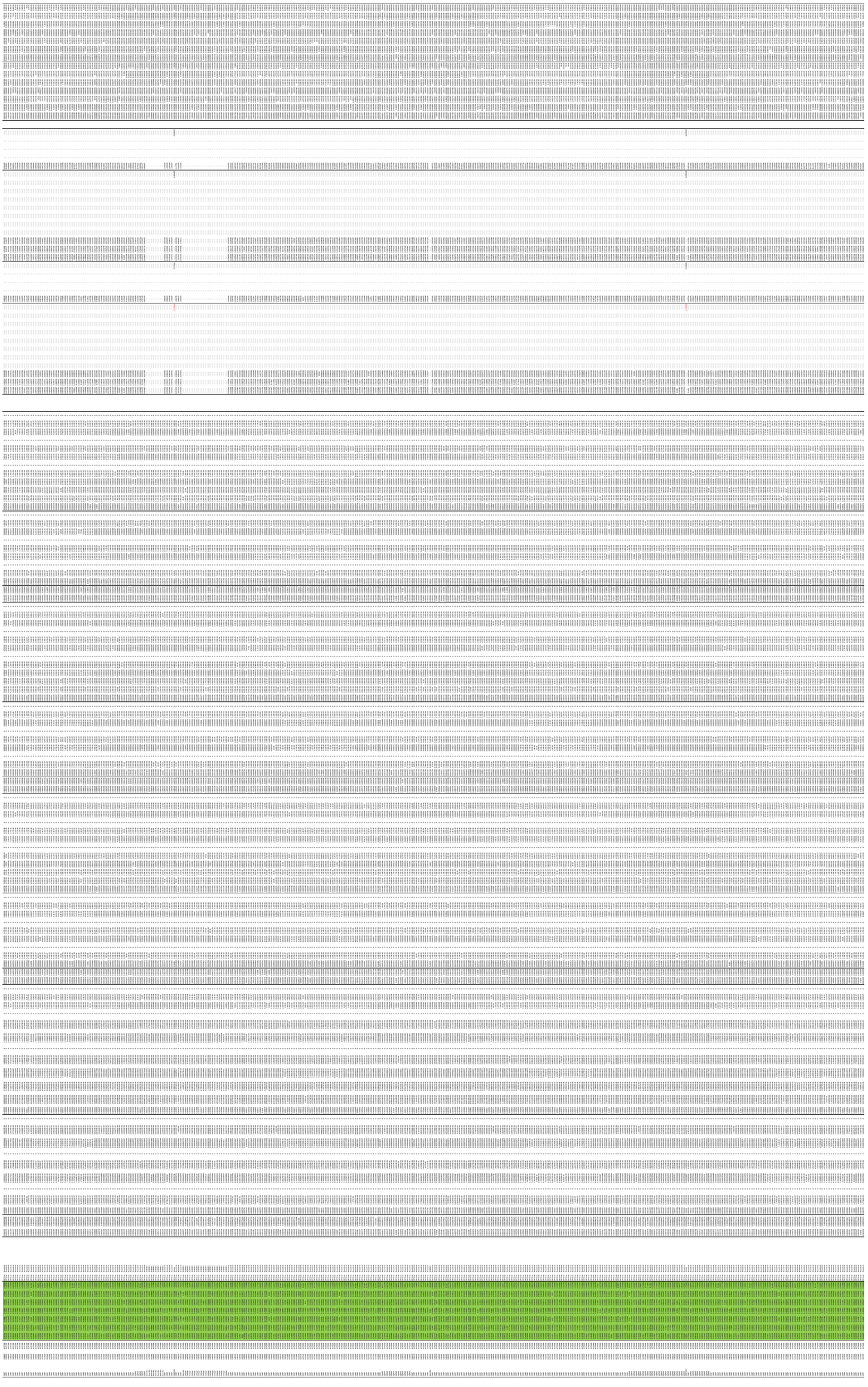


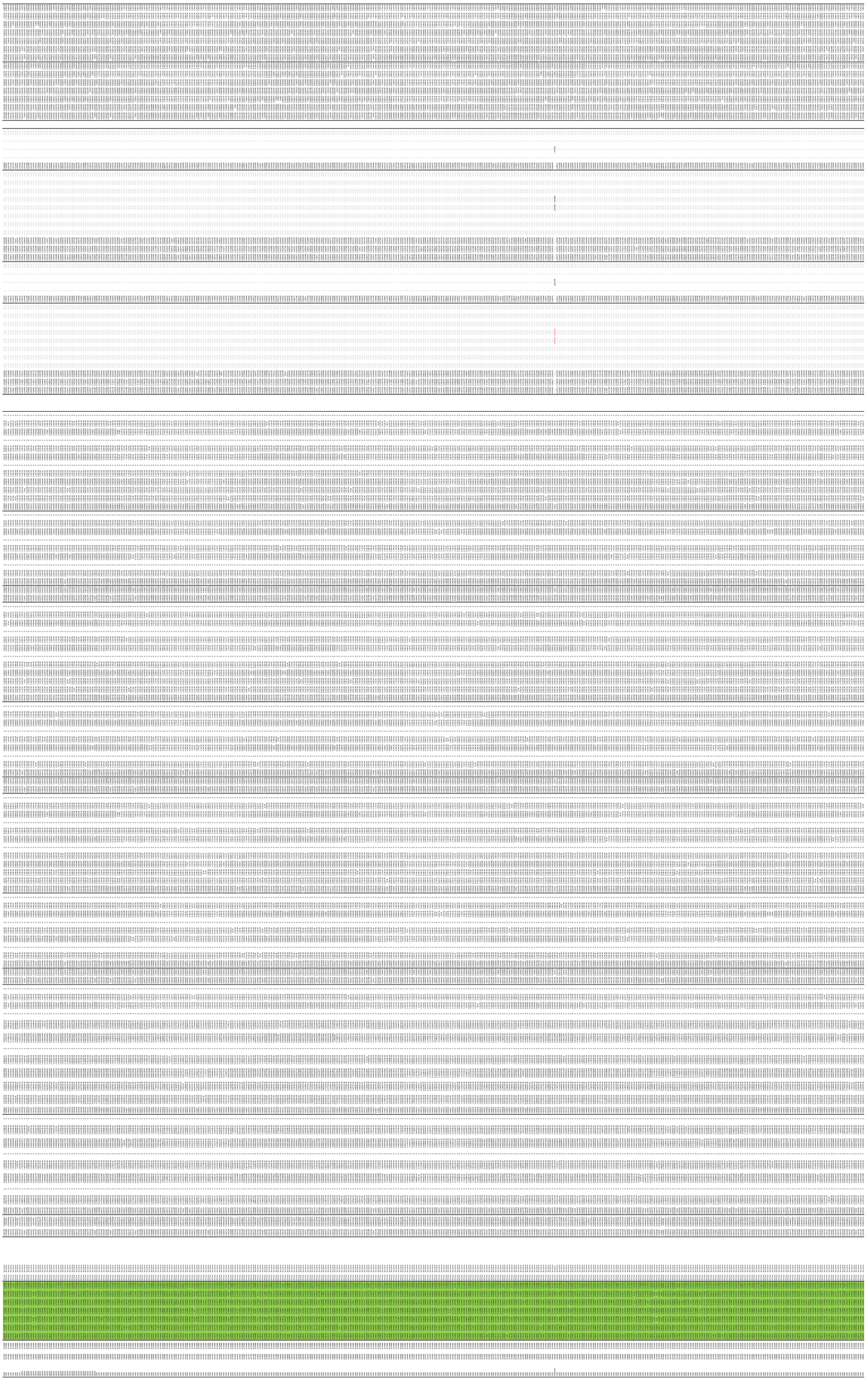


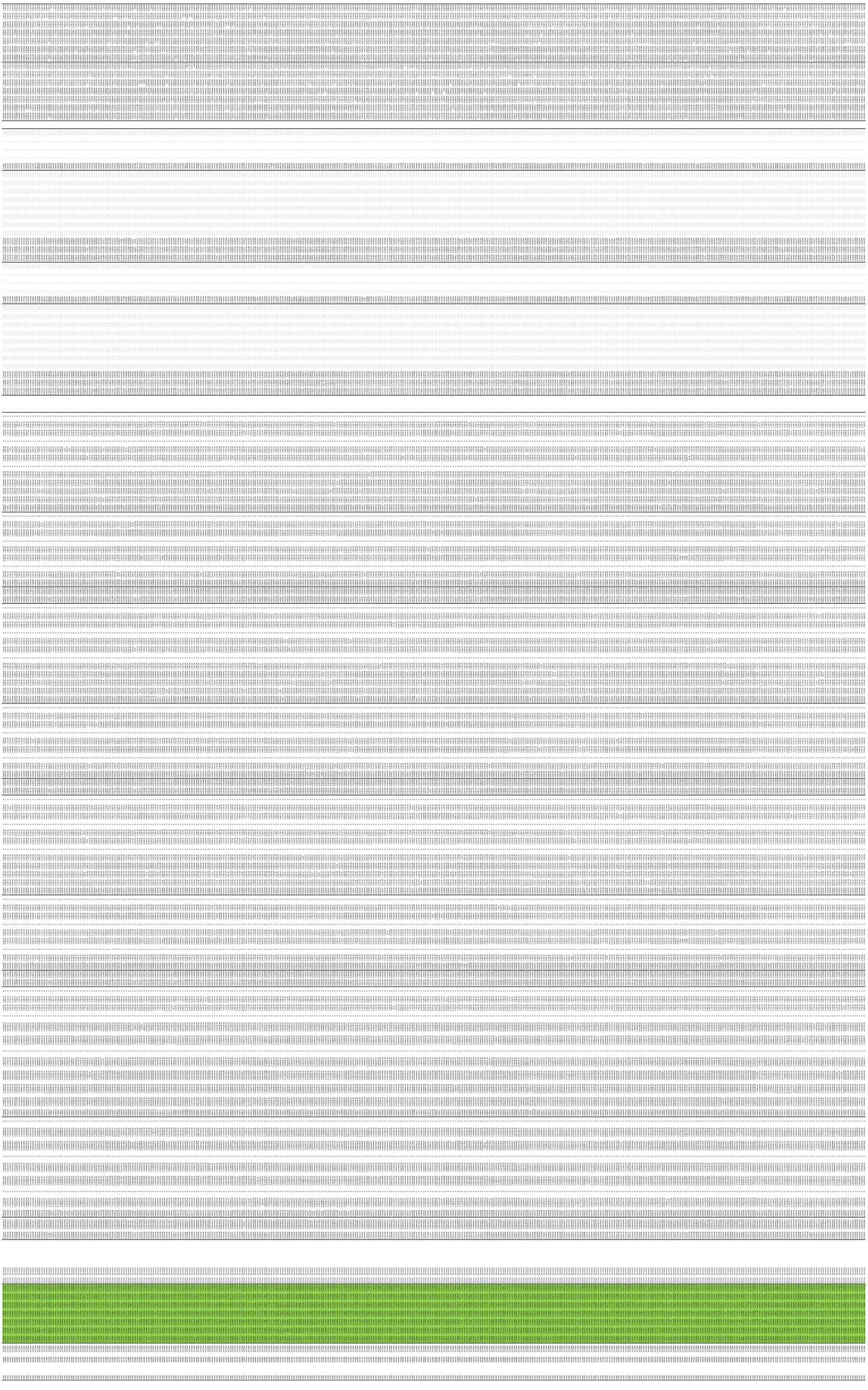


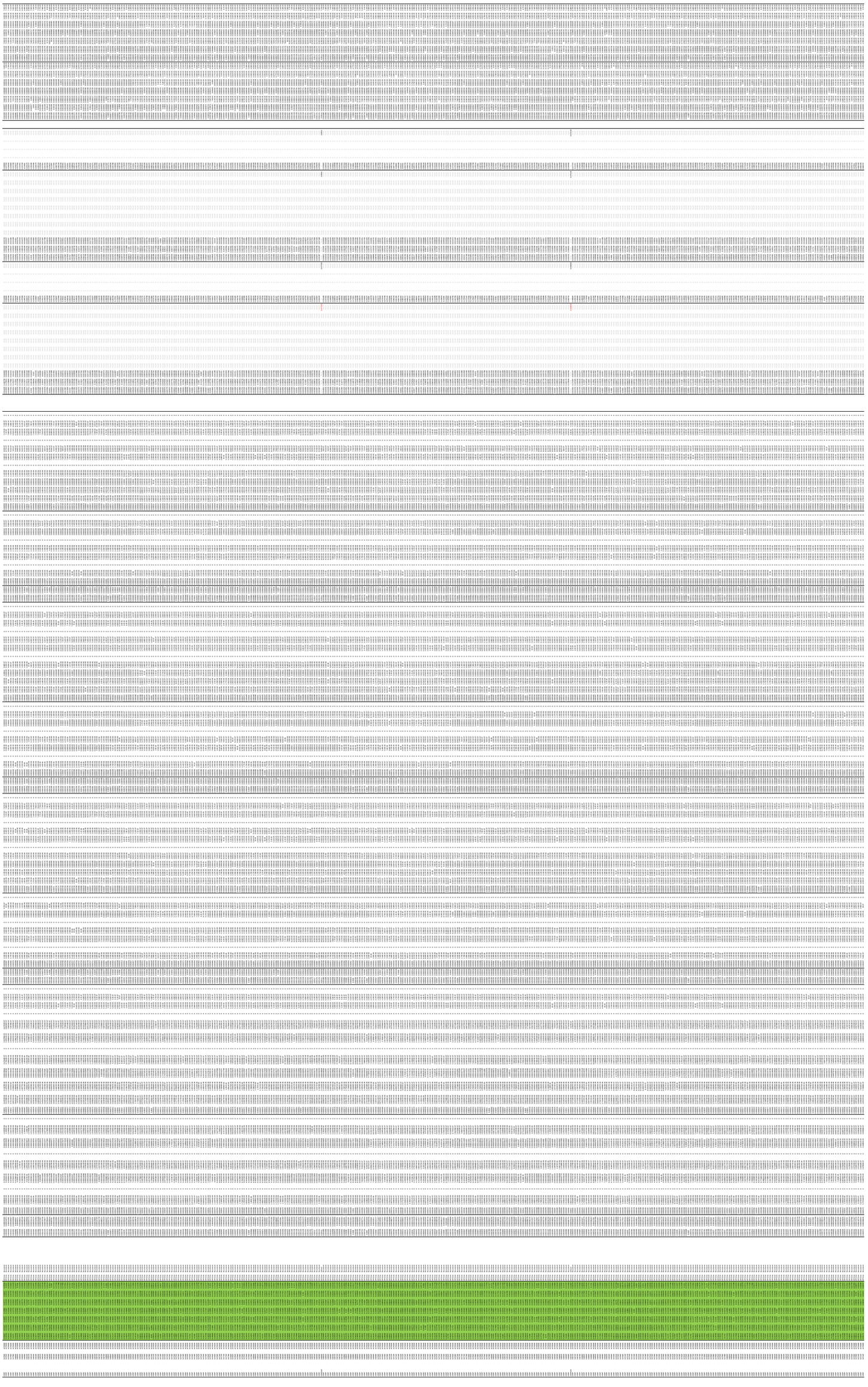


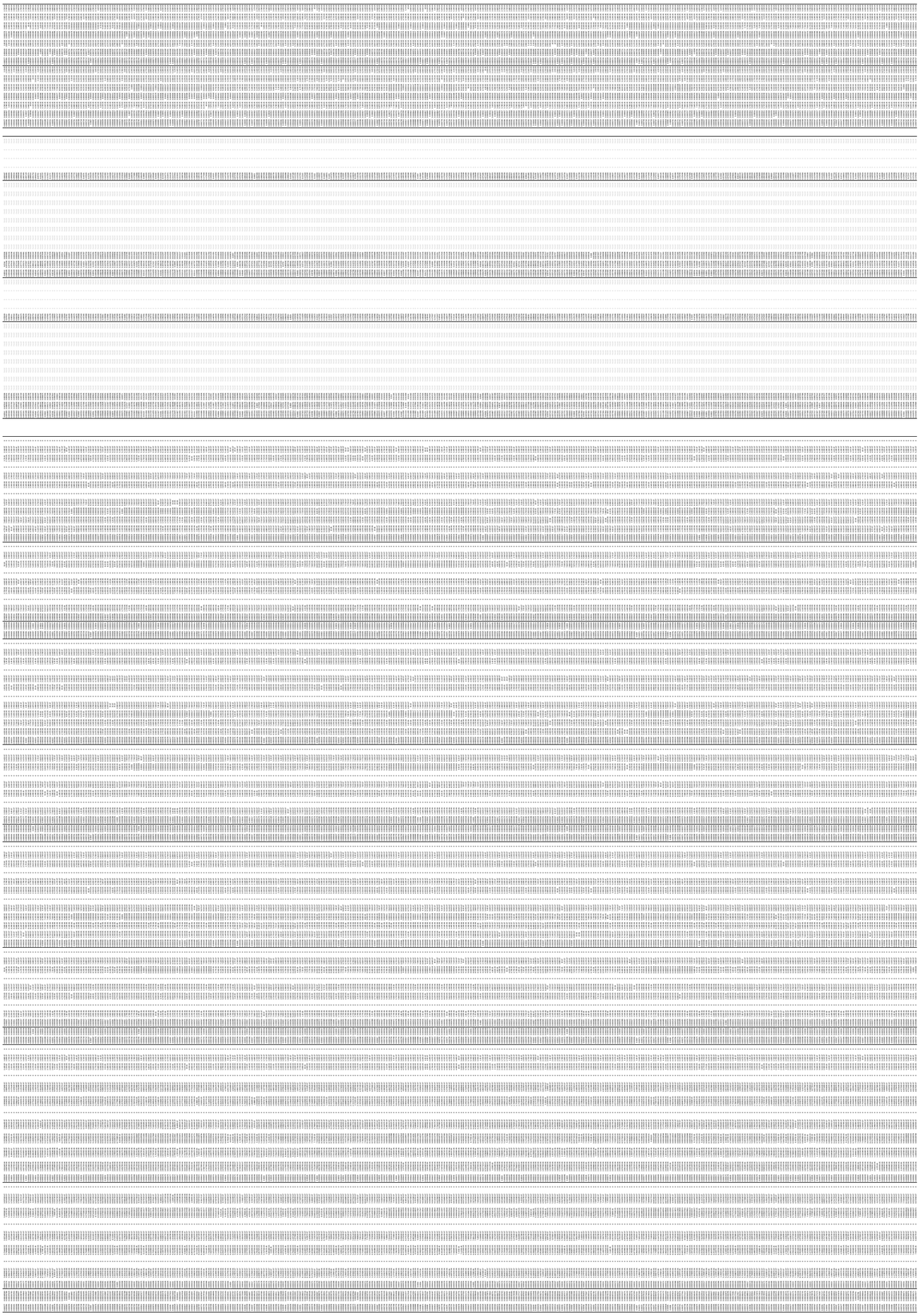


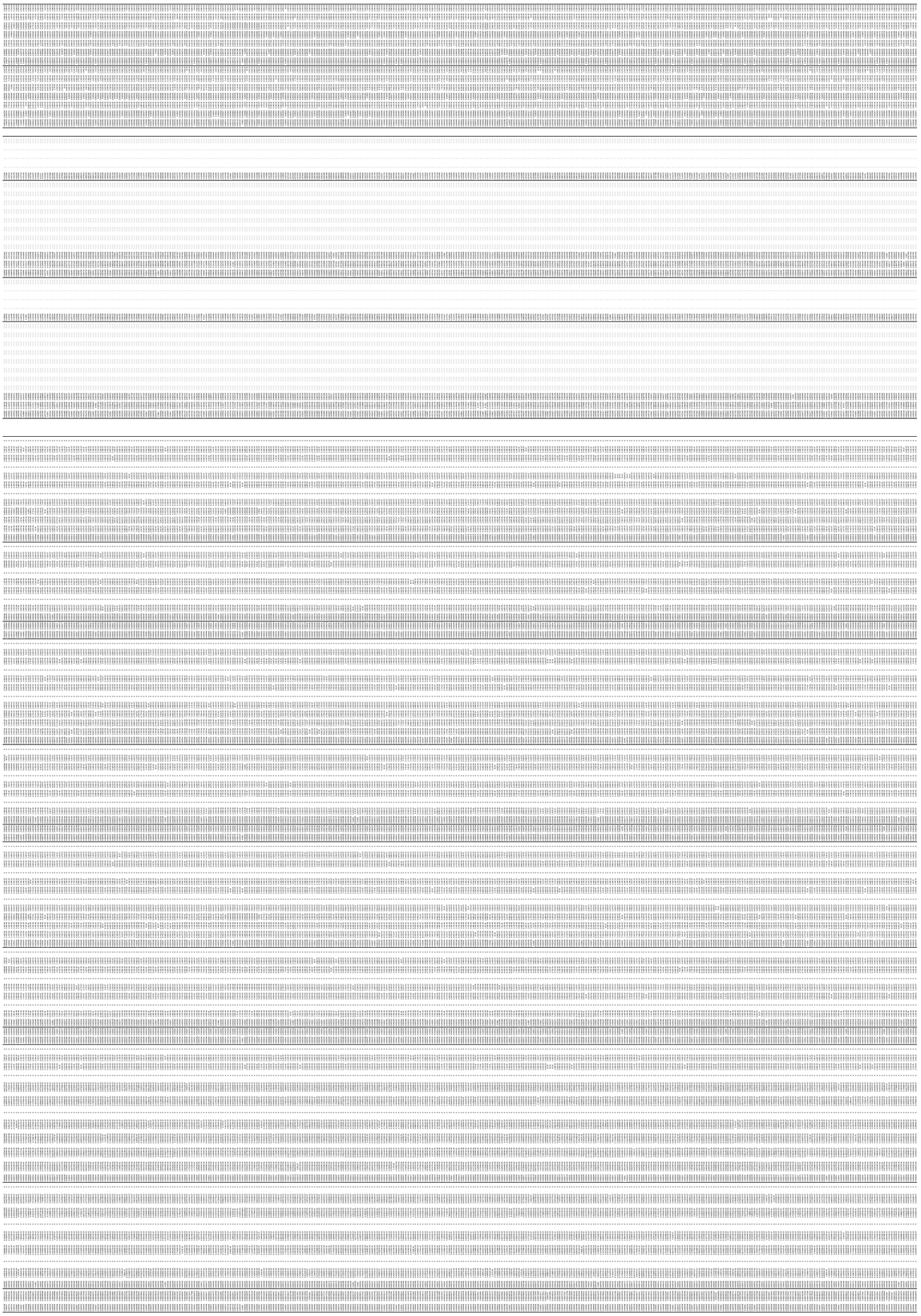


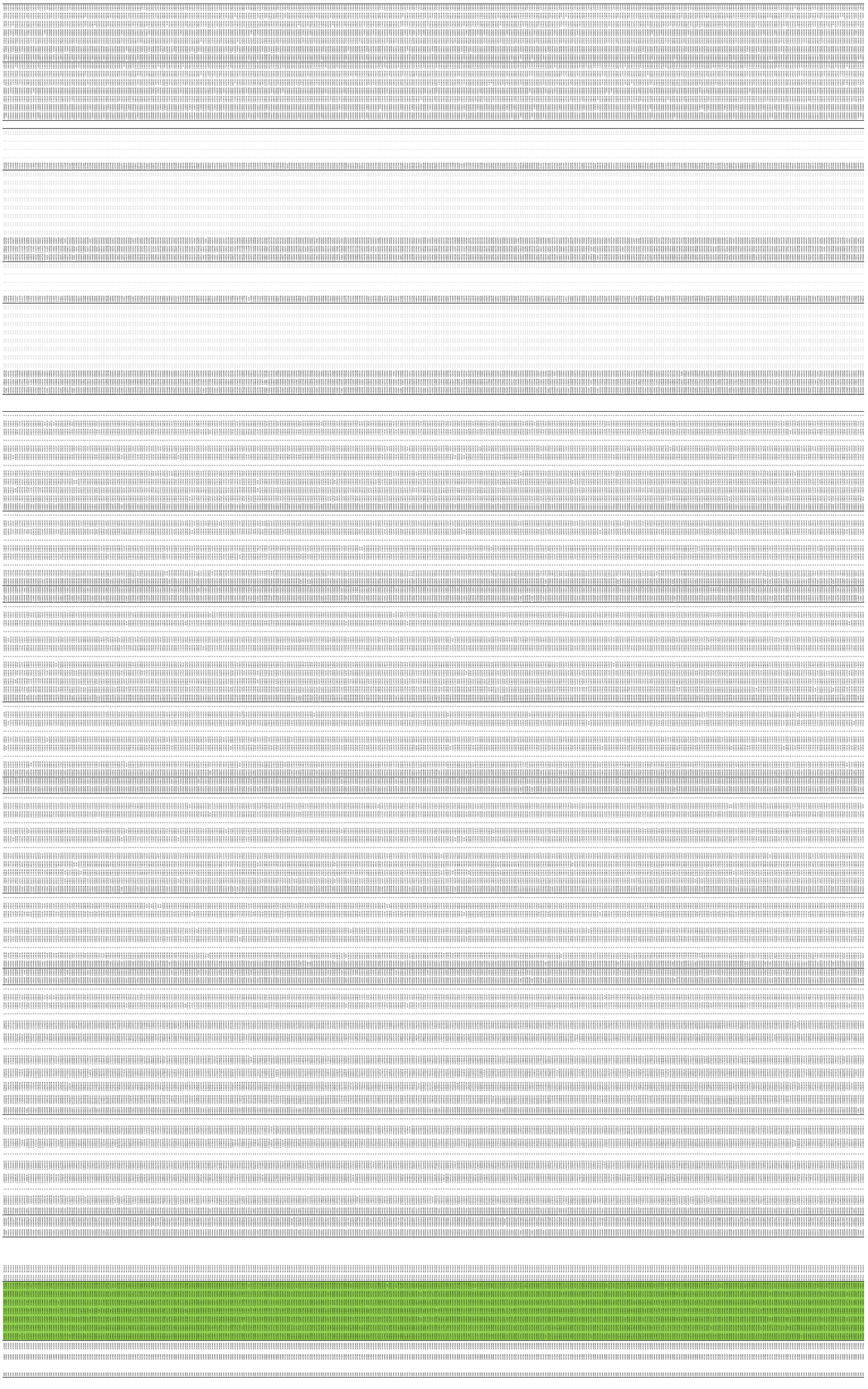


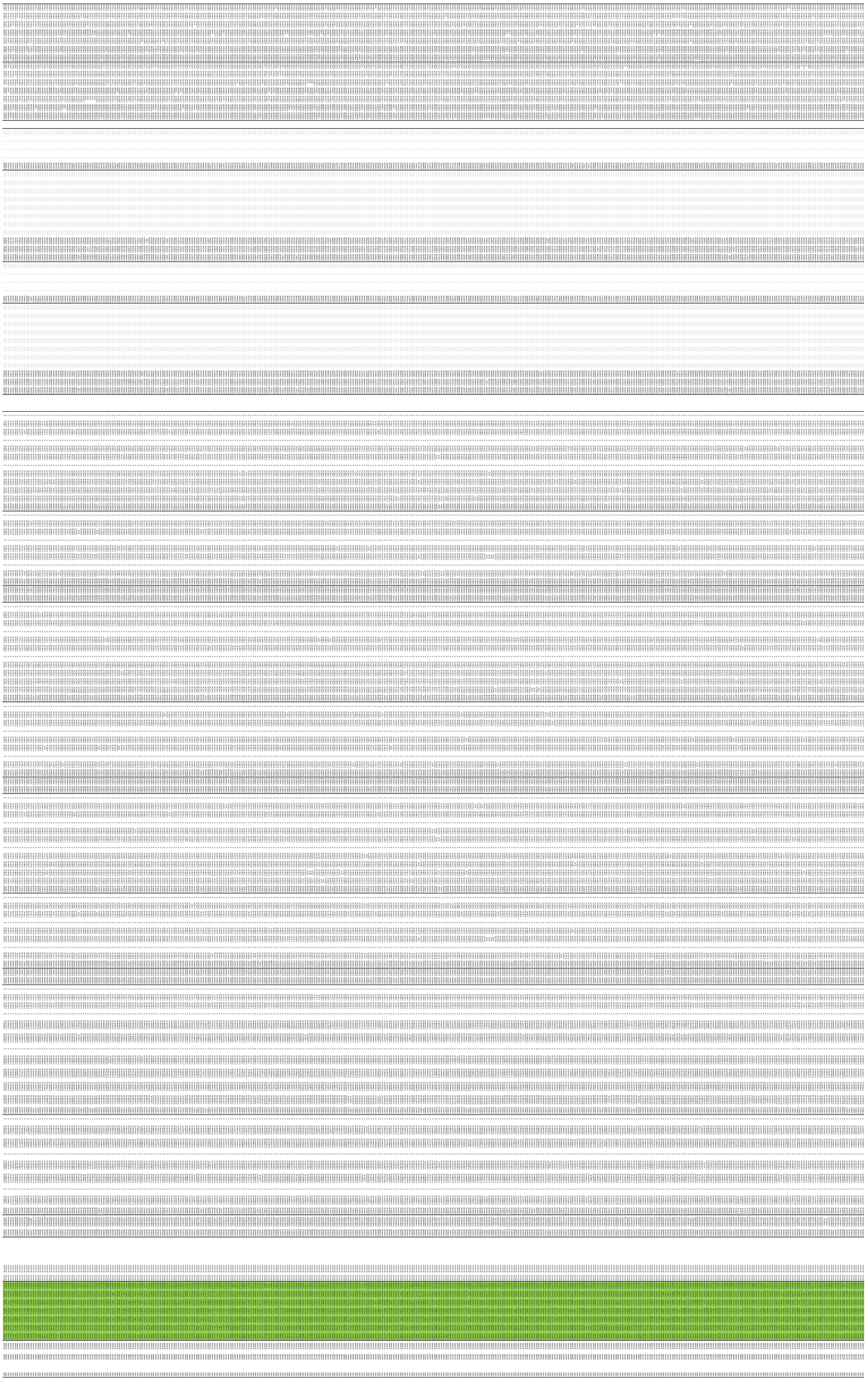


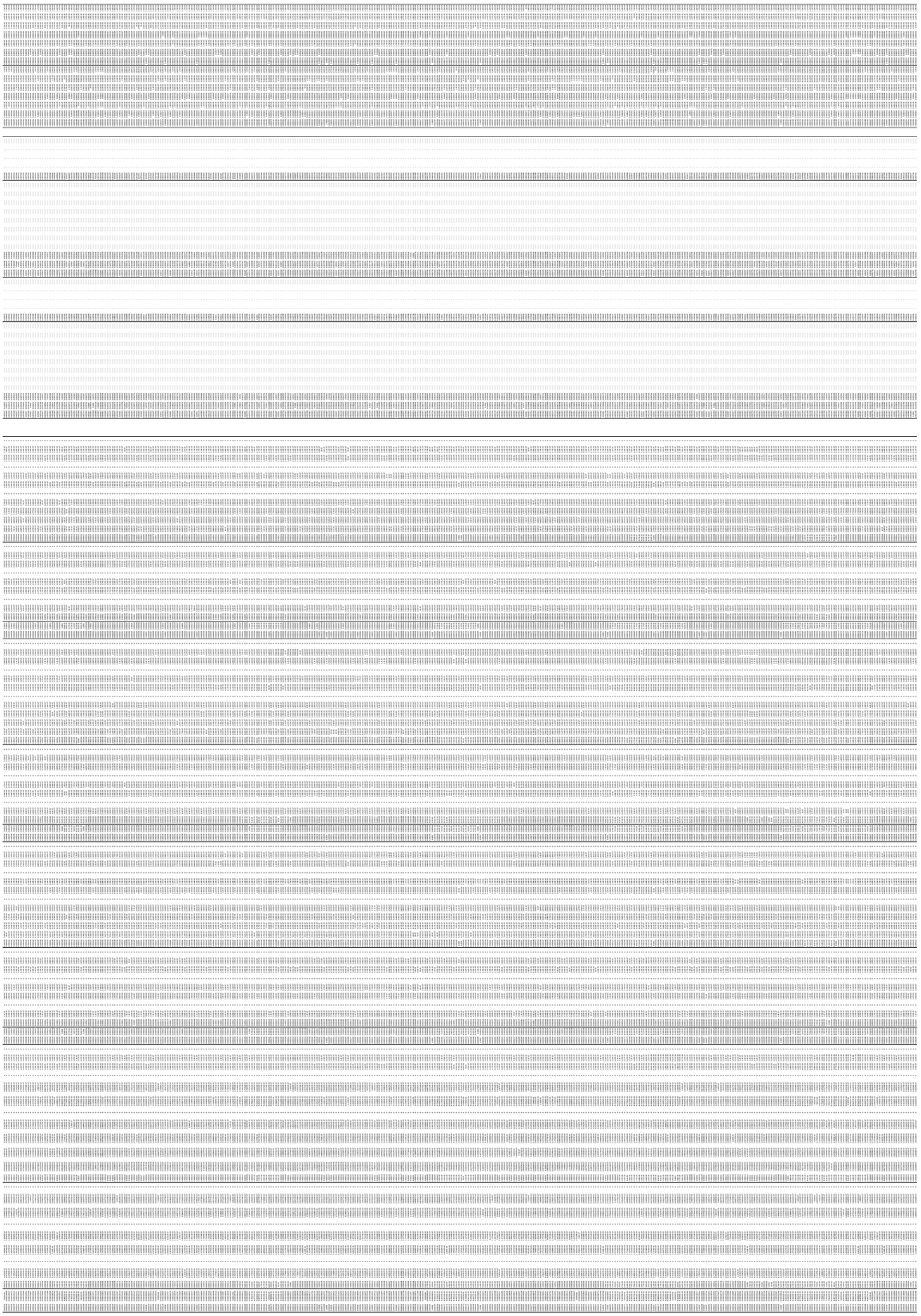


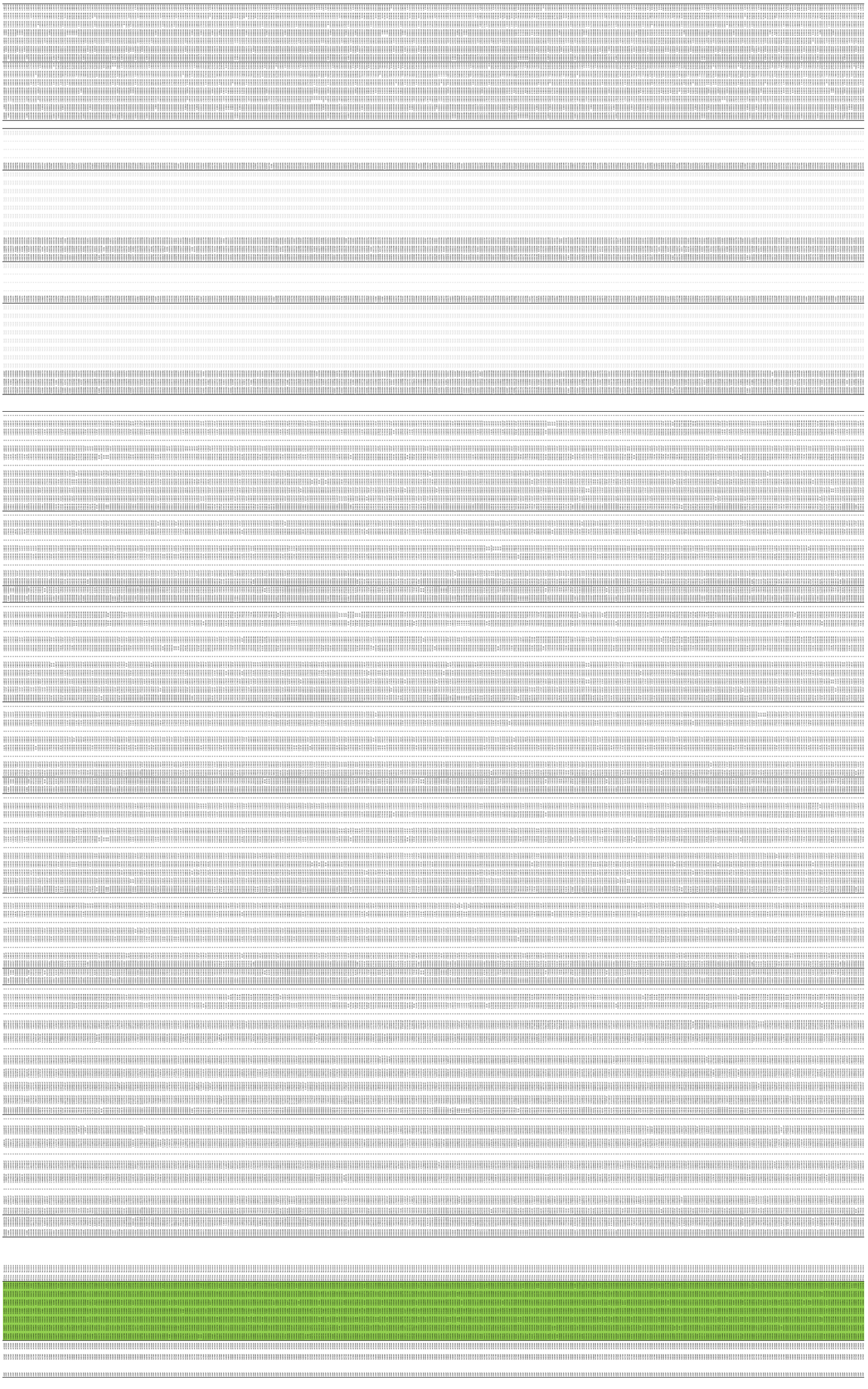


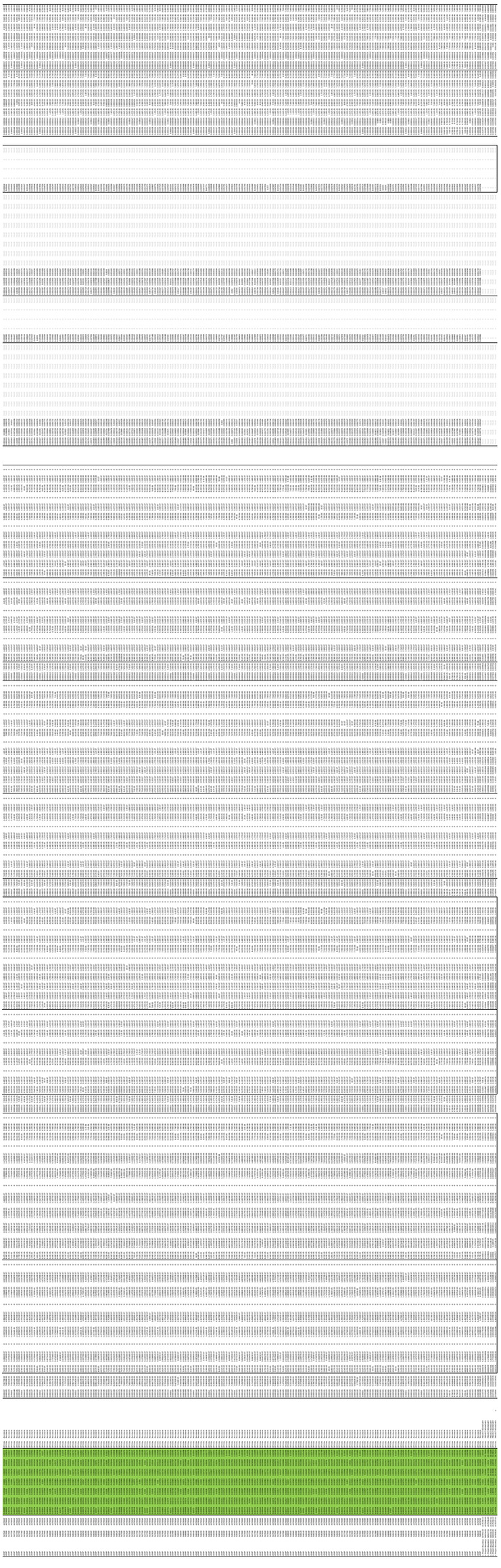












B12 Operational Health Risks and PM2.5 Concentrations – Uncontrolled

Balance Sheet Limit – 40kL
Max Loss Limit – 1,000,000
Max Loss/Profit – 1,000,000

Rules and Limit Calculations
- Balance Limit is the maximum amount of stock that may be bought.
- Balance Limit Calculation is simply the sum of adjusting the purchase price when the sell volume is greater than the buy volume.
- The Limit is the total buying value (Price x Volume) less the total selling value (Price x Volume).
- Max Loss/Profit Limit is the maximum loss or profit that may be incurred in a single trade. Max Loss/Profit Limit is calculated differently for different types of trades.
- Max Loss/Profit Limit for Futures is the same as Balance Limit.
- Max Loss/Profit Limit for Options is the maximum loss or profit that may be incurred in the trade. For example, a long call or put option is limited to the premium, or a short call or put option is limited to the strike price.

Symbols
Underlying – Expiry Date – Strike Price – Option Type – Buy/Sell – Quantity – Price – Value – Balance Limit – Max Loss/Profit – Adjusting Value (Used for Balance Limit Calculation)

Equity

Symbol	Expiry Date	Strike Price	Option Type	Buy/Sell	Quantity	Price	Value	Balance Limit	Max Loss/Profit	Adjusting Value
BHEL	31/7/2025	0	EQUITY	BUY	1	0.00	0.00	0.00	0.00	0.00

Futures

Symbol	Expiry Date	Strike Price	Option Type	Buy/Sell	Quantity	Price	Value	Balance Limit	Max Loss/Profit	Adjusting Value
BHEL	31/7/2025	0	FUTURES	BUY	1	0.00	0.00	0.00	0.00	0.00

Options

Symbol	Expiry Date	Strike Price	Option Type	Buy/Sell	Quantity	Price	Value	Balance Limit	Max Loss/Profit	Adjusting Value
BHEL	31/7/2025	0	CALL	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	PUT	BUY	1	0.00	0.00	0.00	0.00	0.00

Multi-Leg Strategies

Underlying	Expiry Date	Strike Price	Option Type	Buy/Sell	Quantity	Price	Value	Balance Limit	Max Loss/Profit	Adjusting Value
BHEL	31/7/2025	0	EQUITY	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	FUTURES	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	CALL	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	PUT	BUY	1	0.00	0.00	0.00	0.00	0.00

Multi-Leg Strategies – Equity + Futures

Underlying	Expiry Date	Strike Price	Option Type	Buy/Sell	Quantity	Price	Value	Balance Limit	Max Loss/Profit	Adjusting Value
BHEL	31/7/2025	0	EQUITY	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	FUTURES	BUY	1	0.00	0.00	0.00	0.00	0.00

Multi-Leg Strategies – Equity + Options

Underlying	Expiry Date	Strike Price	Option Type	Buy/Sell	Quantity	Price	Value	Balance Limit	Max Loss/Profit	Adjusting Value
BHEL	31/7/2025	0	EQUITY	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	CALL	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	PUT	BUY	1	0.00	0.00	0.00	0.00	0.00

Multi-Leg Strategies – Futures + Options

Underlying	Expiry Date	Strike Price	Option Type	Buy/Sell	Quantity	Price	Value	Balance Limit	Max Loss/Profit	Adjusting Value
BHEL	31/7/2025	0	FUTURES	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	CALL	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	PUT	BUY	1	0.00	0.00	0.00	0.00	0.00

Multi-Leg Strategies – Equity + Futures + Options

Underlying	Expiry Date	Strike Price	Option Type	Buy/Sell	Quantity	Price	Value	Balance Limit	Max Loss/Profit	Adjusting Value
BHEL	31/7/2025	0	EQUITY	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	FUTURES	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	CALL	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	PUT	BUY	1	0.00	0.00	0.00	0.00	0.00

Equity – Equity Limit Calculation

Symbol	Expiry Date	Strike Price	Option Type	Buy/Sell	Quantity	Price	Value	Balance Limit	Max Loss/Profit	Adjusting Value
BHEL	31/7/2025	0	EQUITY	BUY	1	0.00	0.00	0.00	0.00	0.00

Futures – Futures Limit Calculation

Symbol	Expiry Date	Strike Price	Option Type	Buy/Sell	Quantity	Price	Value	Balance Limit	Max Loss/Profit	Adjusting Value
BHEL	31/7/2025	0	FUTURES	BUY	1	0.00	0.00	0.00	0.00	0.00

Options – Options Limit Calculation

Symbol	Expiry Date	Strike Price	Option Type	Buy/Sell	Quantity	Price	Value	Balance Limit	Max Loss/Profit	Adjusting Value
BHEL	31/7/2025	0	CALL	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	PUT	BUY	1	0.00	0.00	0.00	0.00	0.00

Multi-Leg Strategies – Equity + Futures Limit Calculation

Underlying	Expiry Date	Strike Price	Option Type	Buy/Sell	Quantity	Price	Value	Balance Limit	Max Loss/Profit	Adjusting Value
BHEL	31/7/2025	0	EQUITY	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	FUTURES	BUY	1	0.00	0.00	0.00	0.00	0.00

Multi-Leg Strategies – Equity + Options Limit Calculation

Underlying	Expiry Date	Strike Price	Option Type	Buy/Sell	Quantity	Price	Value	Balance Limit	Max Loss/Profit	Adjusting Value
BHEL	31/7/2025	0	EQUITY	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	CALL	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	PUT	BUY	1	0.00	0.00	0.00	0.00	0.00

Multi-Leg Strategies – Futures + Options Limit Calculation

Underlying	Expiry Date	Strike Price	Option Type	Buy/Sell	Quantity	Price	Value	Balance Limit	Max Loss/Profit	Adjusting Value
BHEL	31/7/2025	0	FUTURES	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	CALL	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	PUT	BUY	1	0.00	0.00	0.00	0.00	0.00

Multi-Leg Strategies – Equity + Futures + Options Limit Calculation

Underlying	Expiry Date	Strike Price	Option Type	Buy/Sell	Quantity	Price	Value	Balance Limit	Max Loss/Profit	Adjusting Value
BHEL	31/7/2025	0	EQUITY	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	FUTURES	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	CALL	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	PUT	BUY	1	0.00	0.00	0.00	0.00	0.00

Equity – Equity Max Loss/Profit Calculation

Symbol	Expiry Date	Strike Price	Option Type	Buy/Sell	Quantity	Price	Value	Balance Limit	Max Loss/Profit	Adjusting Value
BHEL	31/7/2025	0	EQUITY	BUY	1	0.00	0.00	0.00	0.00	0.00

Futures – Futures Max Loss/Profit Calculation

Symbol	Expiry Date	Strike Price	Option Type	Buy/Sell	Quantity	Price	Value	Balance Limit	Max Loss/Profit	Adjusting Value
BHEL	31/7/2025	0	FUTURES	BUY	1	0.00	0.00	0.00	0.00	0.00

Options – Options Max Loss/Profit Calculation

Symbol	Expiry Date	Strike Price	Option Type	Buy/Sell	Quantity	Price	Value	Balance Limit	Max Loss/Profit	Adjusting Value
BHEL	31/7/2025	0	CALL	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	PUT	BUY	1	0.00	0.00	0.00	0.00	0.00

Multi-Leg Strategies – Equity + Futures Max Loss/Profit Calculation

Underlying	Expiry Date	Strike Price	Option Type	Buy/Sell	Quantity	Price	Value	Balance Limit	Max Loss/Profit	Adjusting Value
BHEL	31/7/2025	0	EQUITY	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	FUTURES	BUY	1	0.00	0.00	0.00	0.00	0.00

Multi-Leg Strategies – Equity + Options Max Loss/Profit Calculation

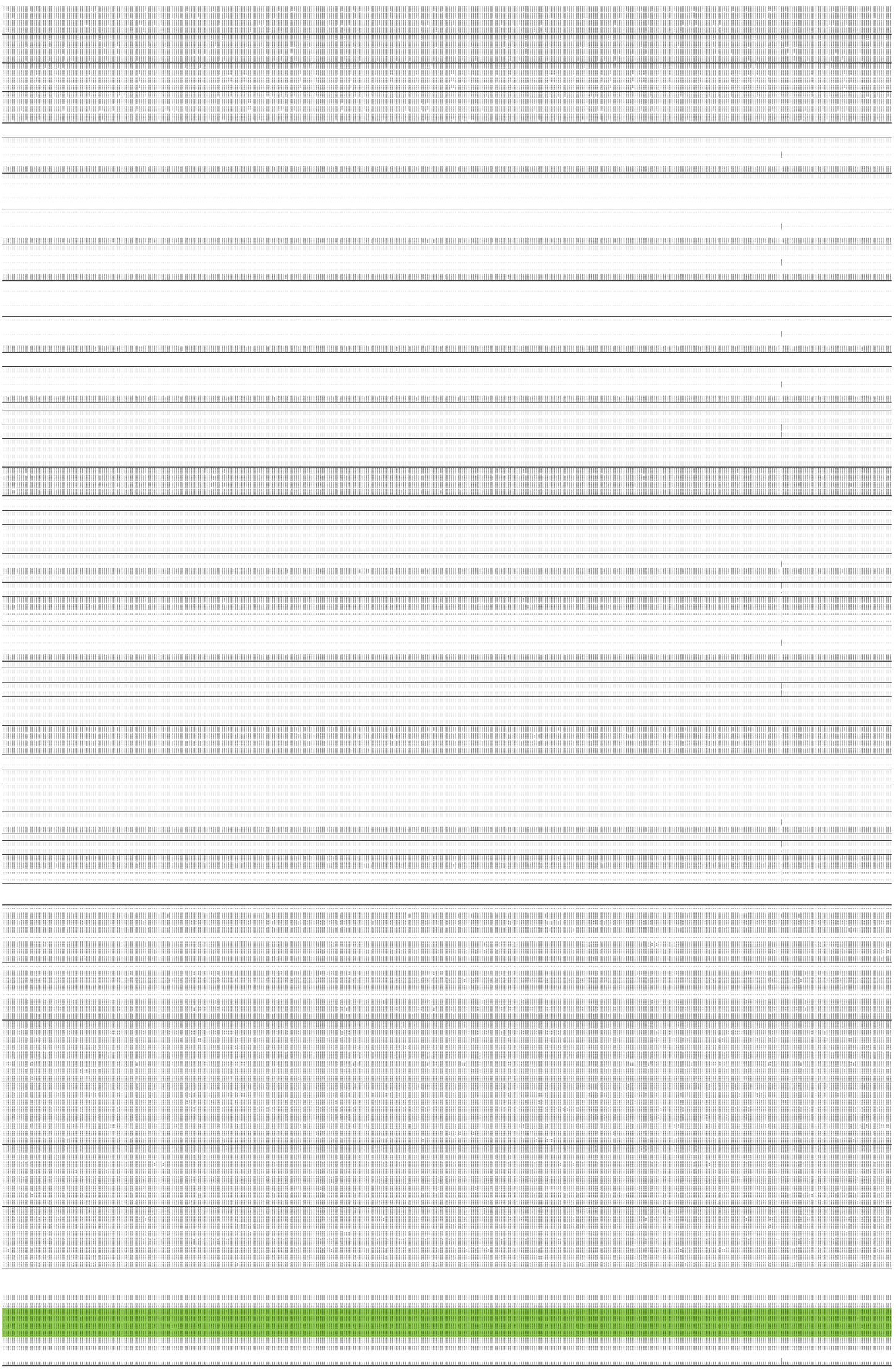
Underlying	Expiry Date	Strike Price	Option Type	Buy/Sell	Quantity	Price	Value	Balance Limit	Max Loss/Profit	Adjusting Value
BHEL	31/7/2025	0	EQUITY	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	CALL	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	PUT	BUY	1	0.00	0.00	0.00	0.00	0.00

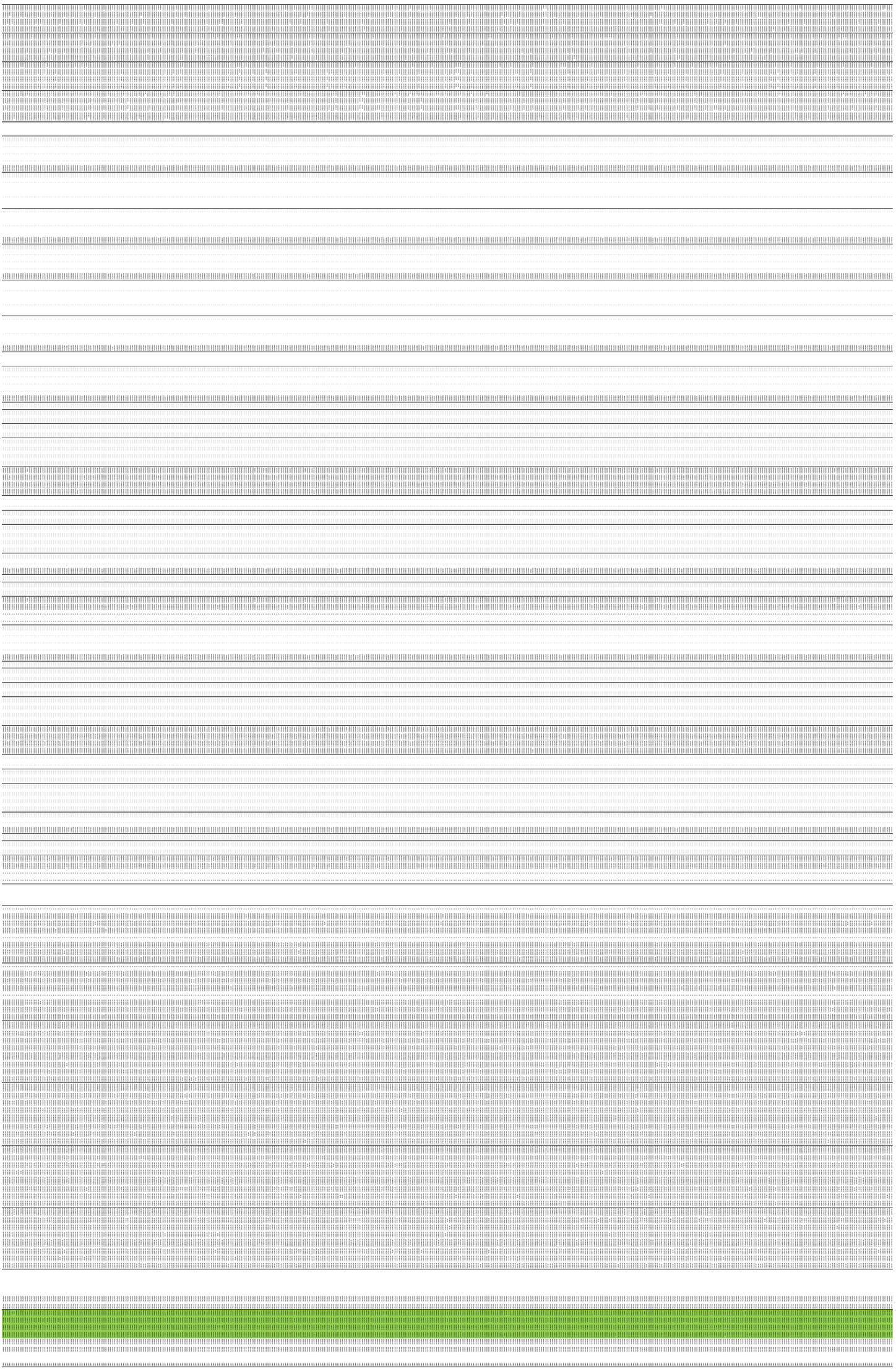
Multi-Leg Strategies – Futures + Options Max Loss/Profit Calculation

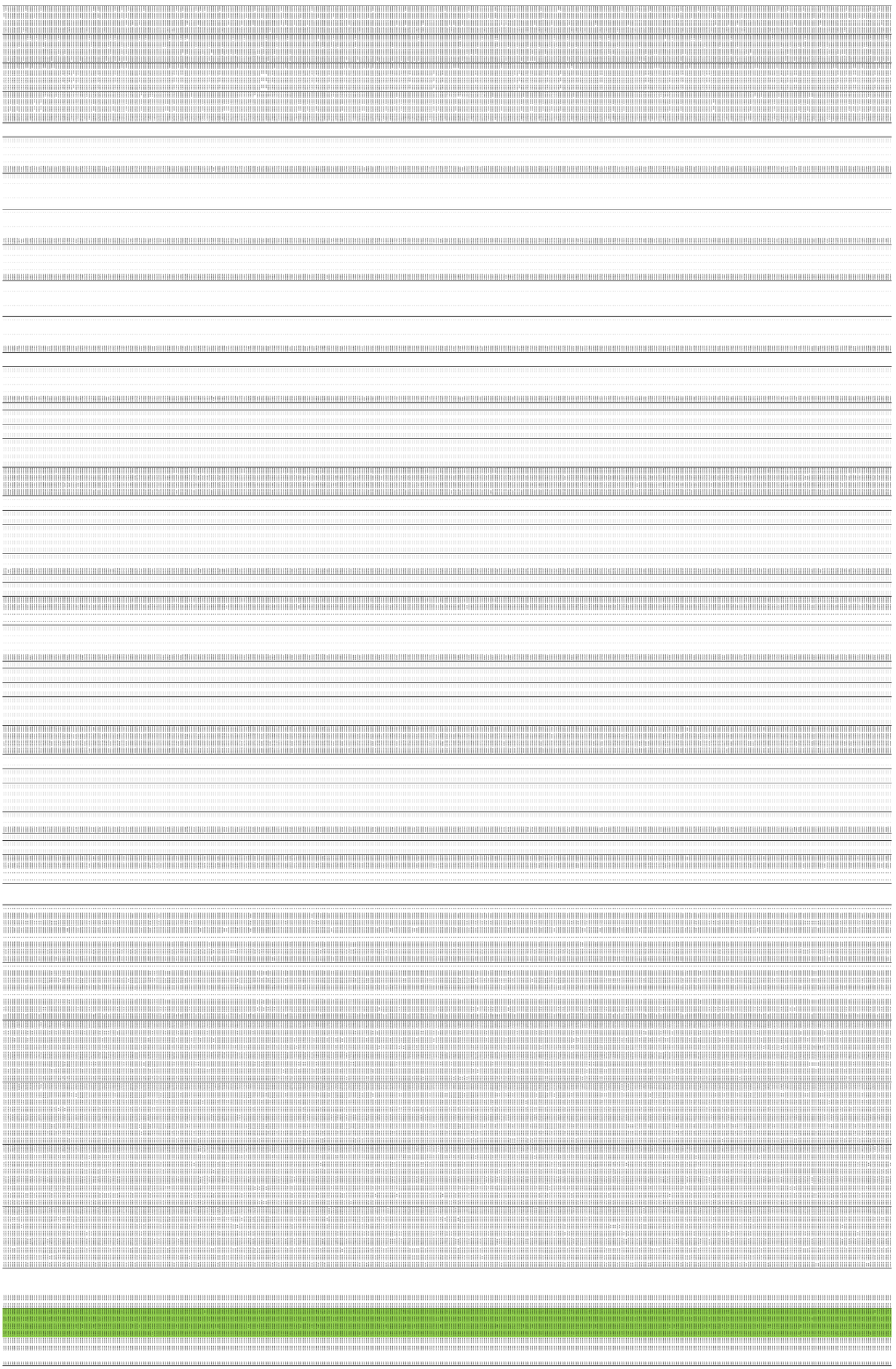
Underlying	Expiry Date	Strike Price	Option Type	Buy/Sell	Quantity	Price	Value	Balance Limit	Max Loss/Profit	Adjusting Value
BHEL	31/7/2025	0	FUTURES	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	CALL	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	PUT	BUY	1	0.00	0.00	0.00	0.00	0.00

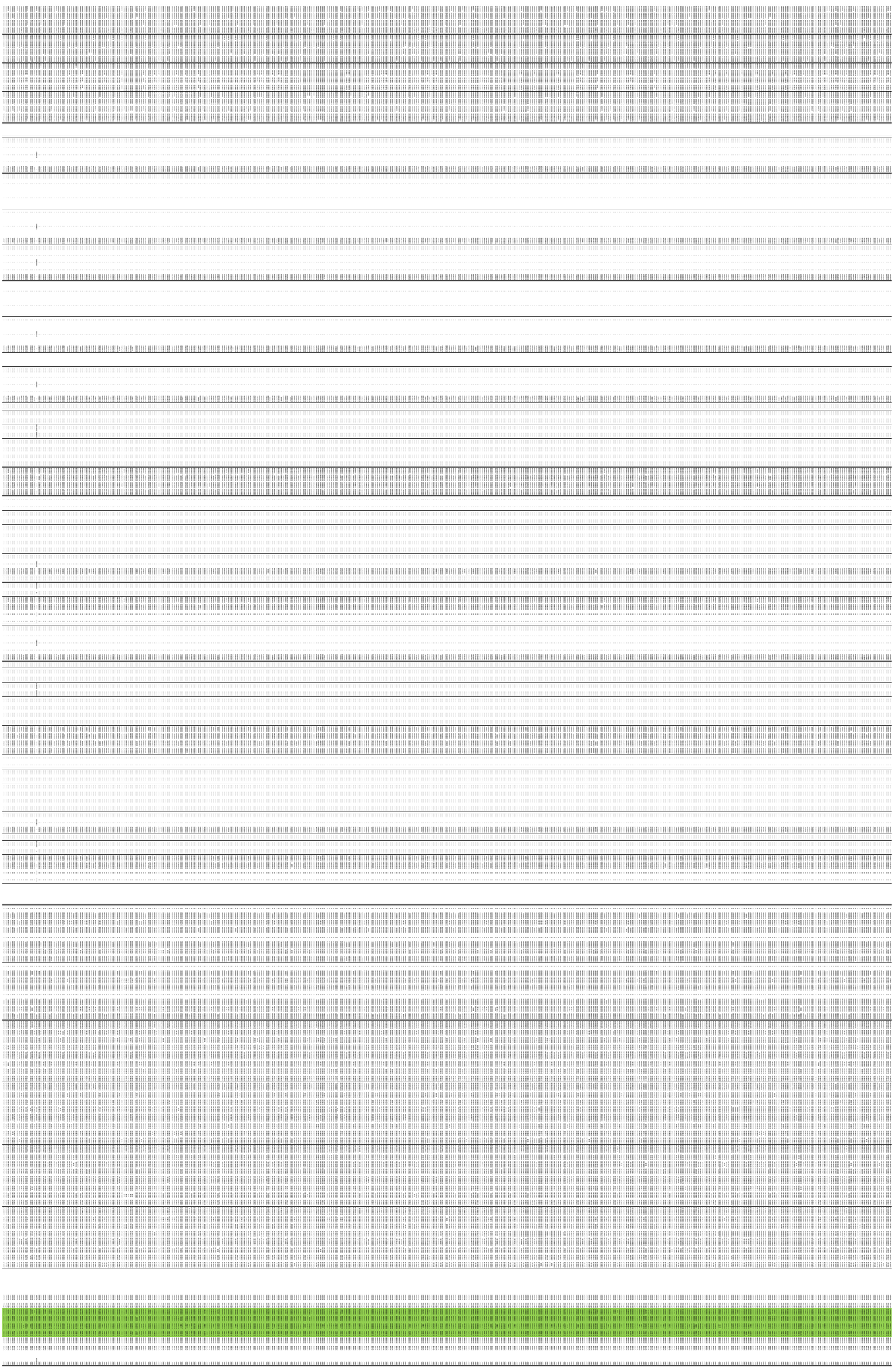
Multi-Leg Strategies – Equity + Futures + Options Max Loss/Profit Calculation

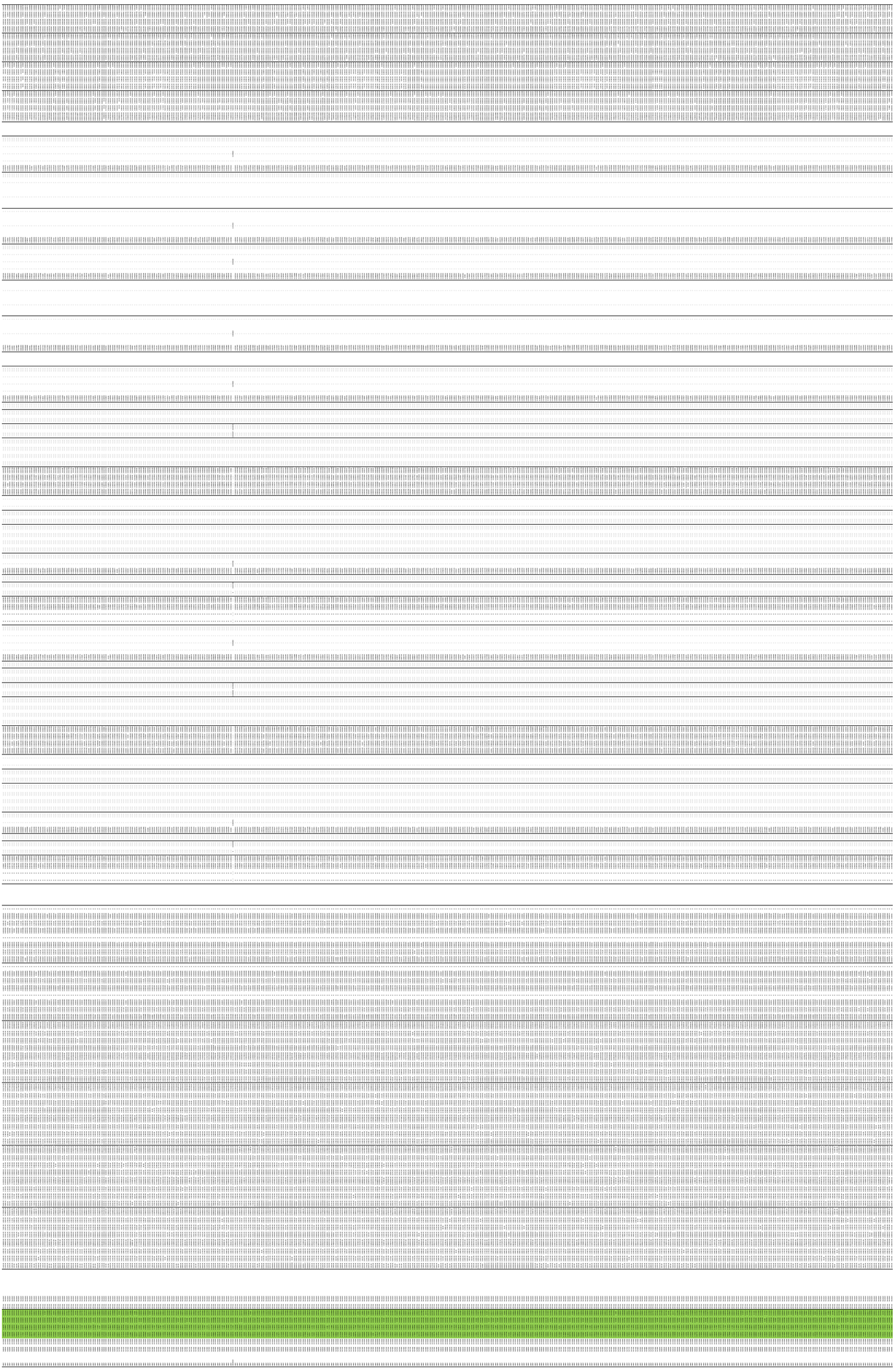
Underlying	Expiry Date	Strike Price	Option Type	Buy/Sell	Quantity	Price	Value	Balance Limit	Max Loss/Profit	Adjusting Value
BHEL	31/7/2025	0	EQUITY	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	FUTURES	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	CALL	BUY	1	0.00	0.00	0.00	0.00	0.00
BHEL	31/7/2025	0	PUT	BUY	1	0.00	0.00	0.00	0.00	0.00

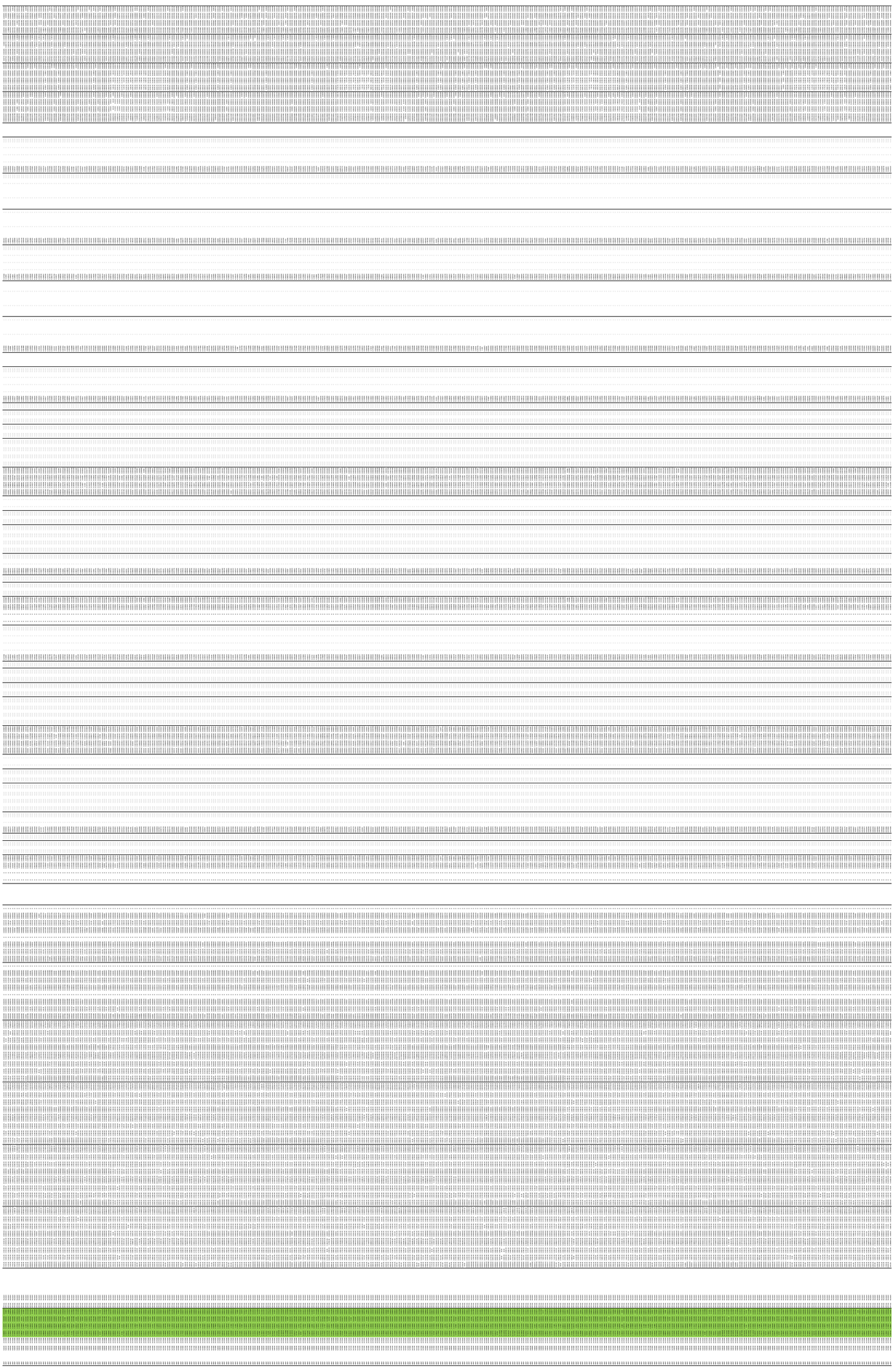


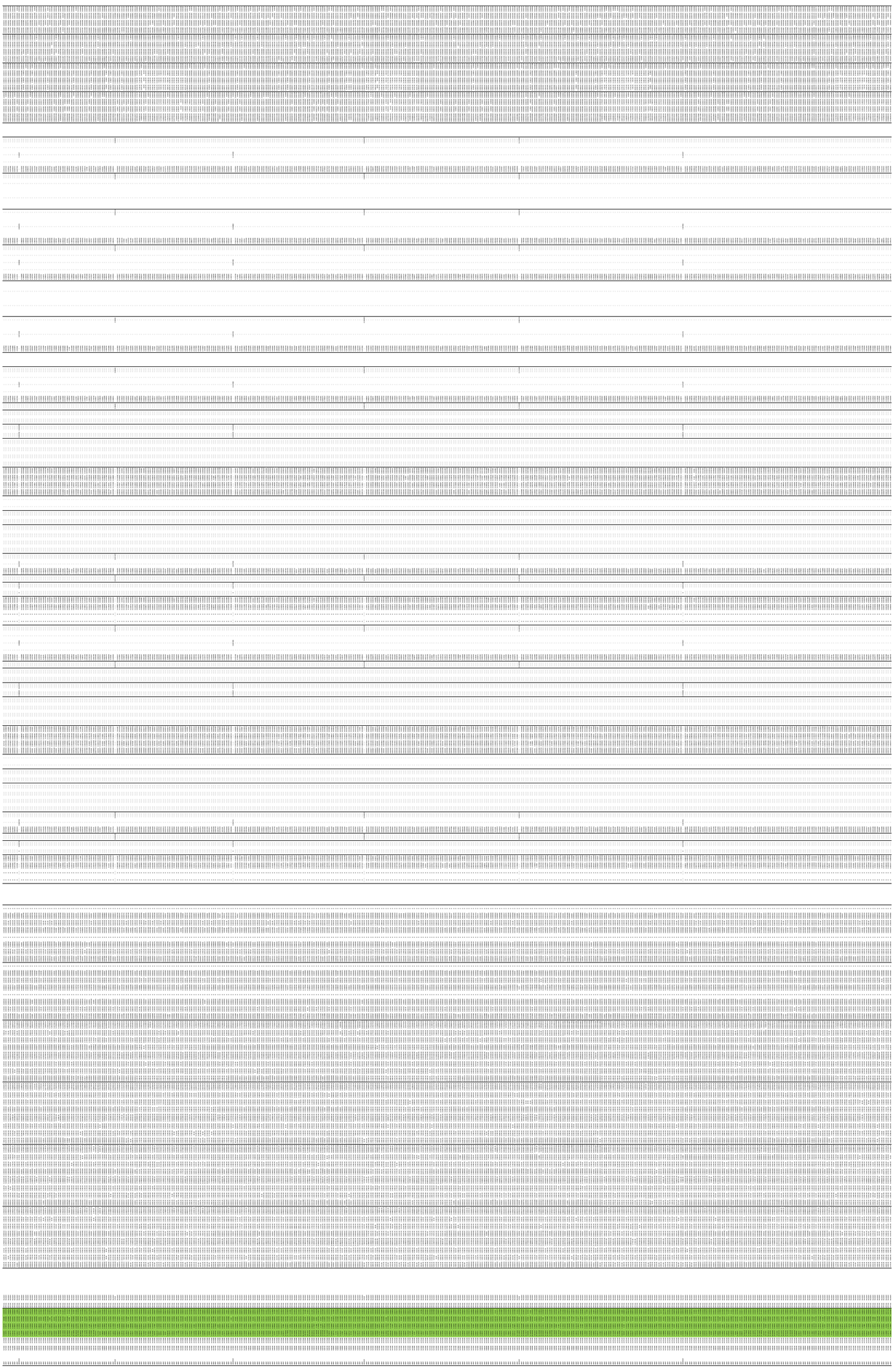


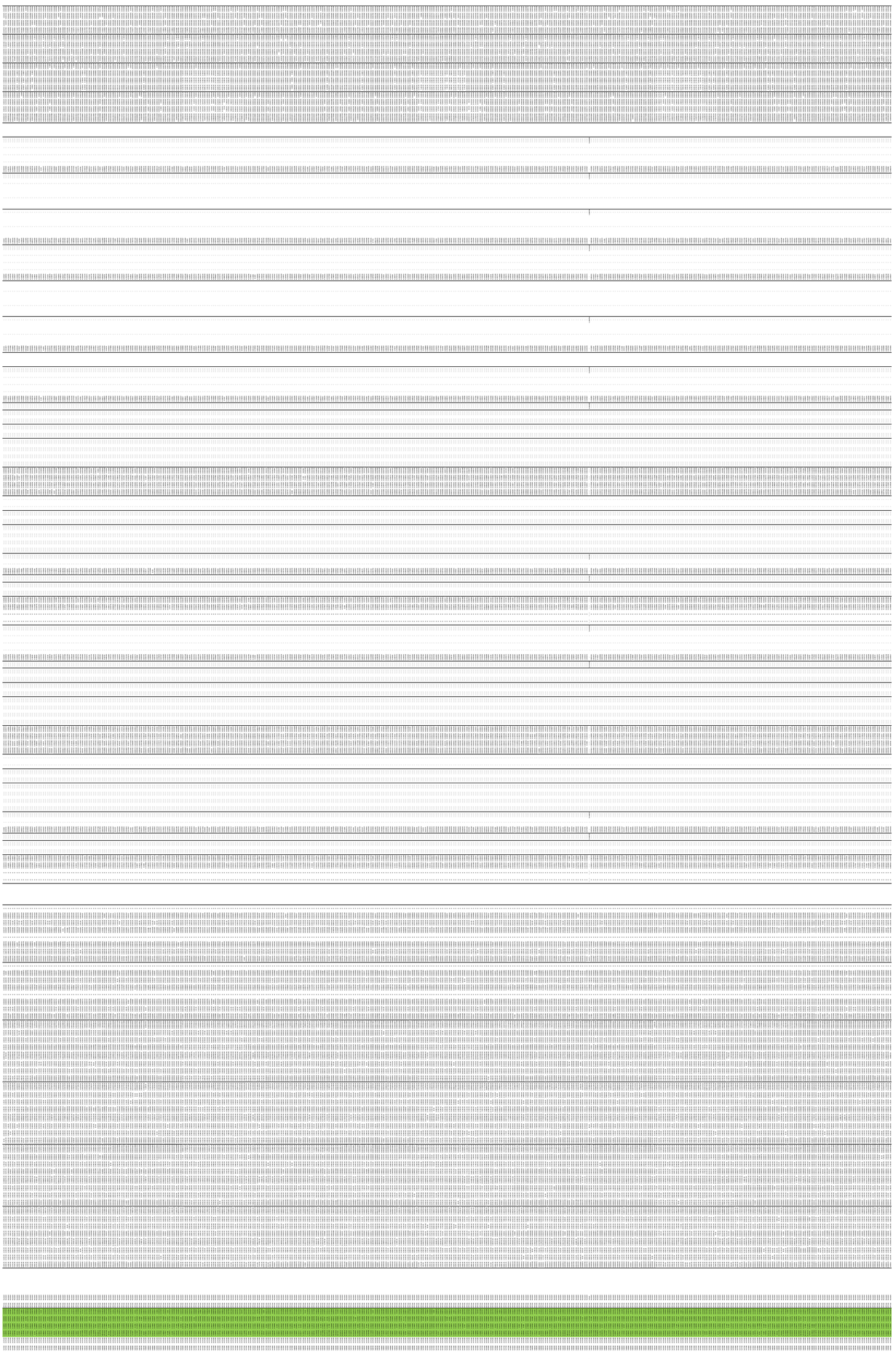


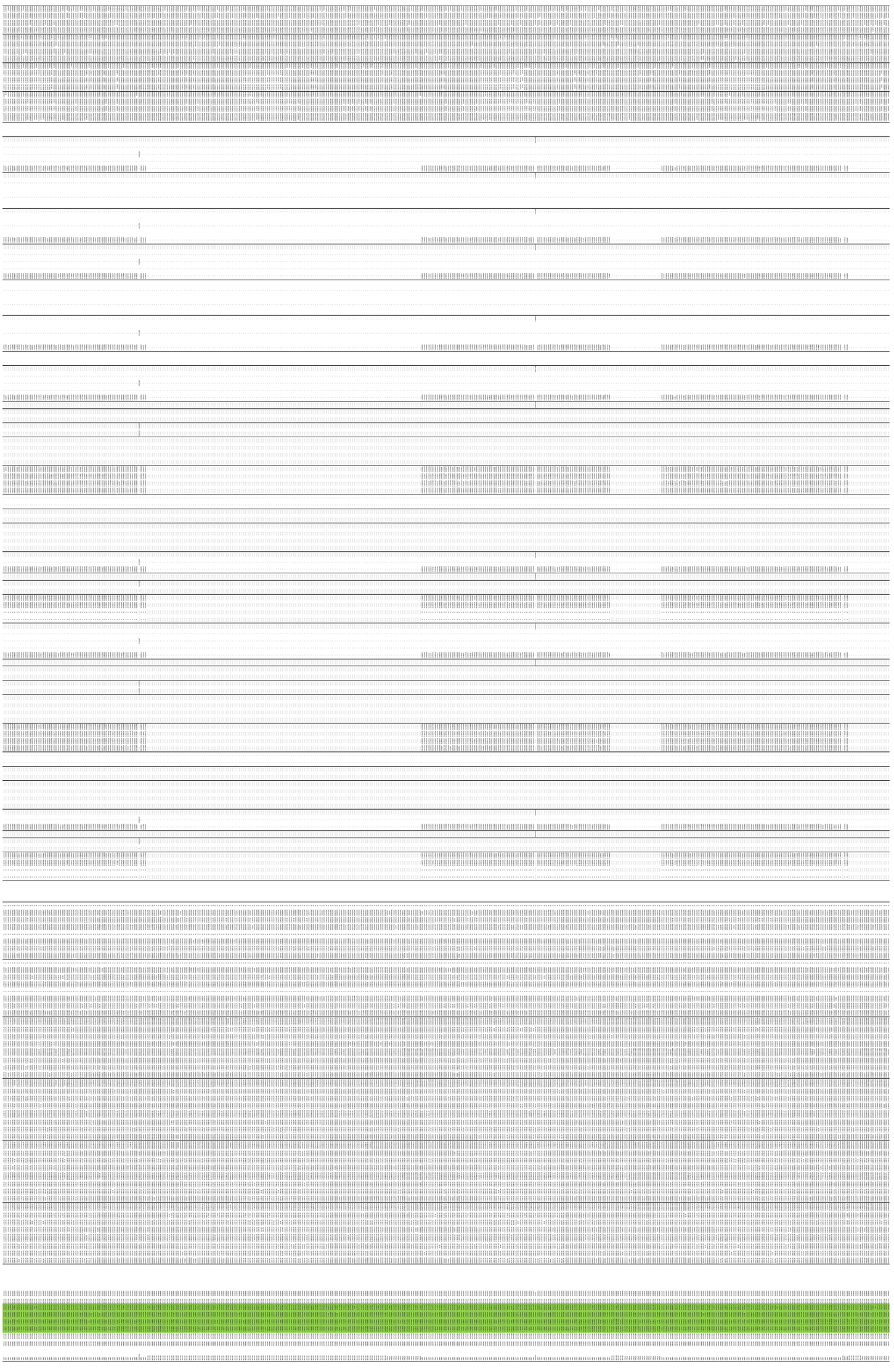


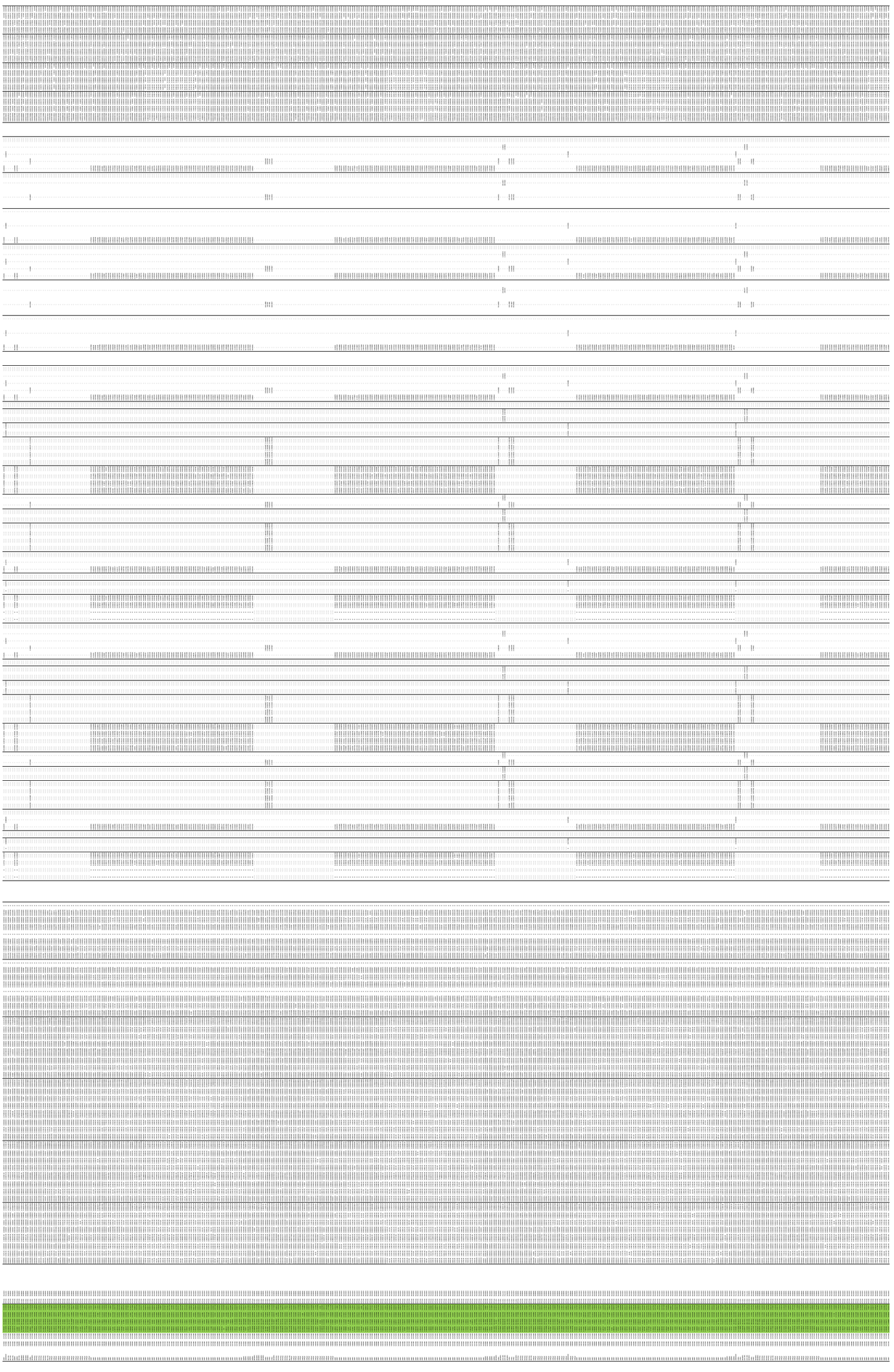


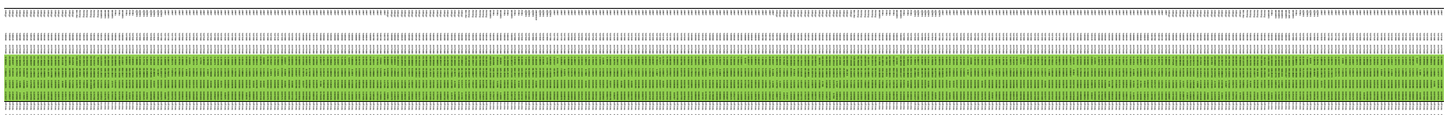


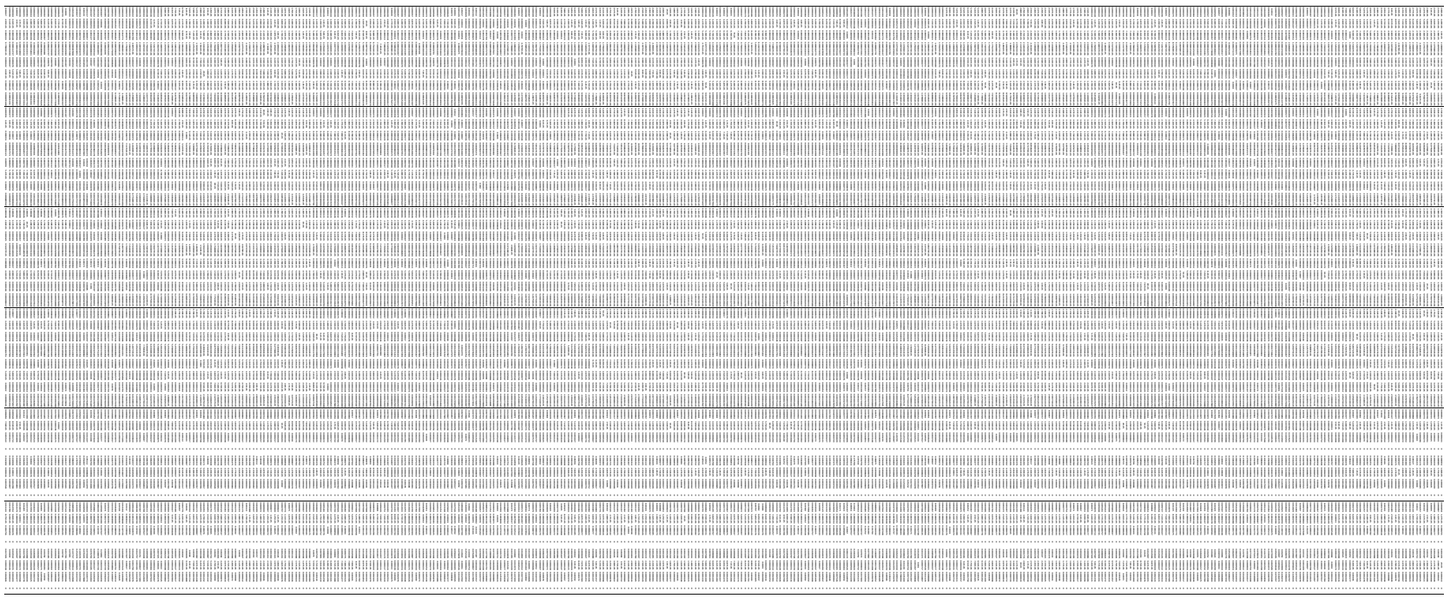


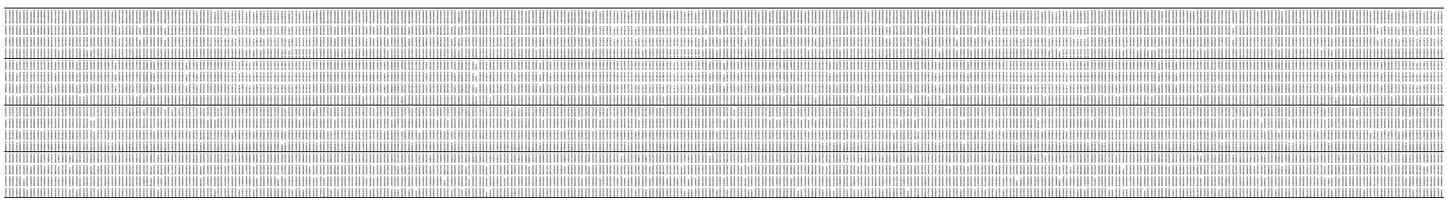


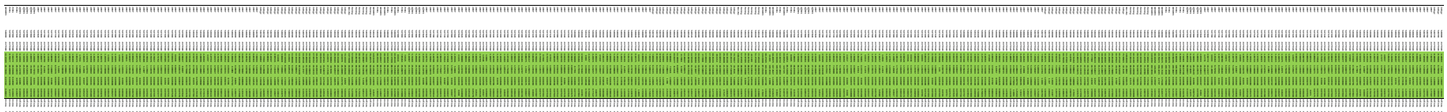


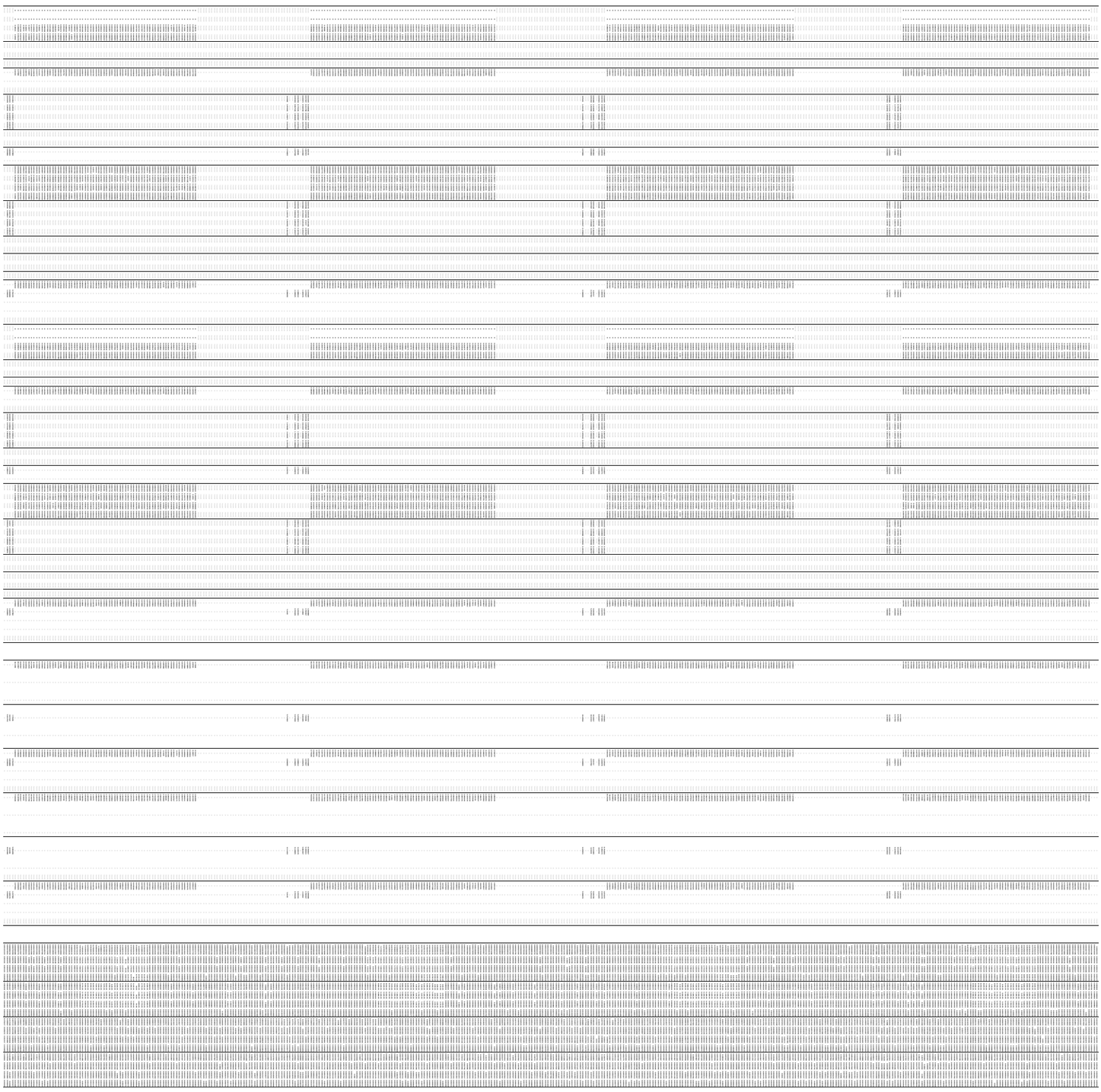


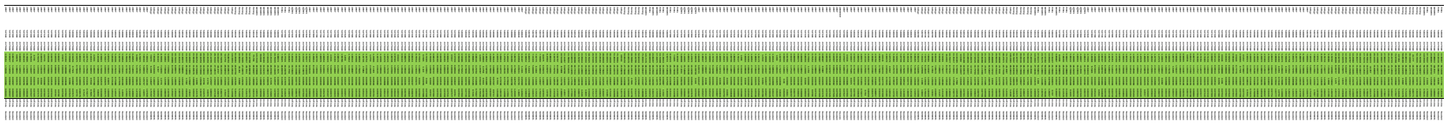


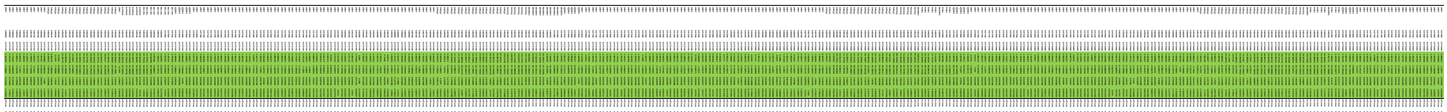


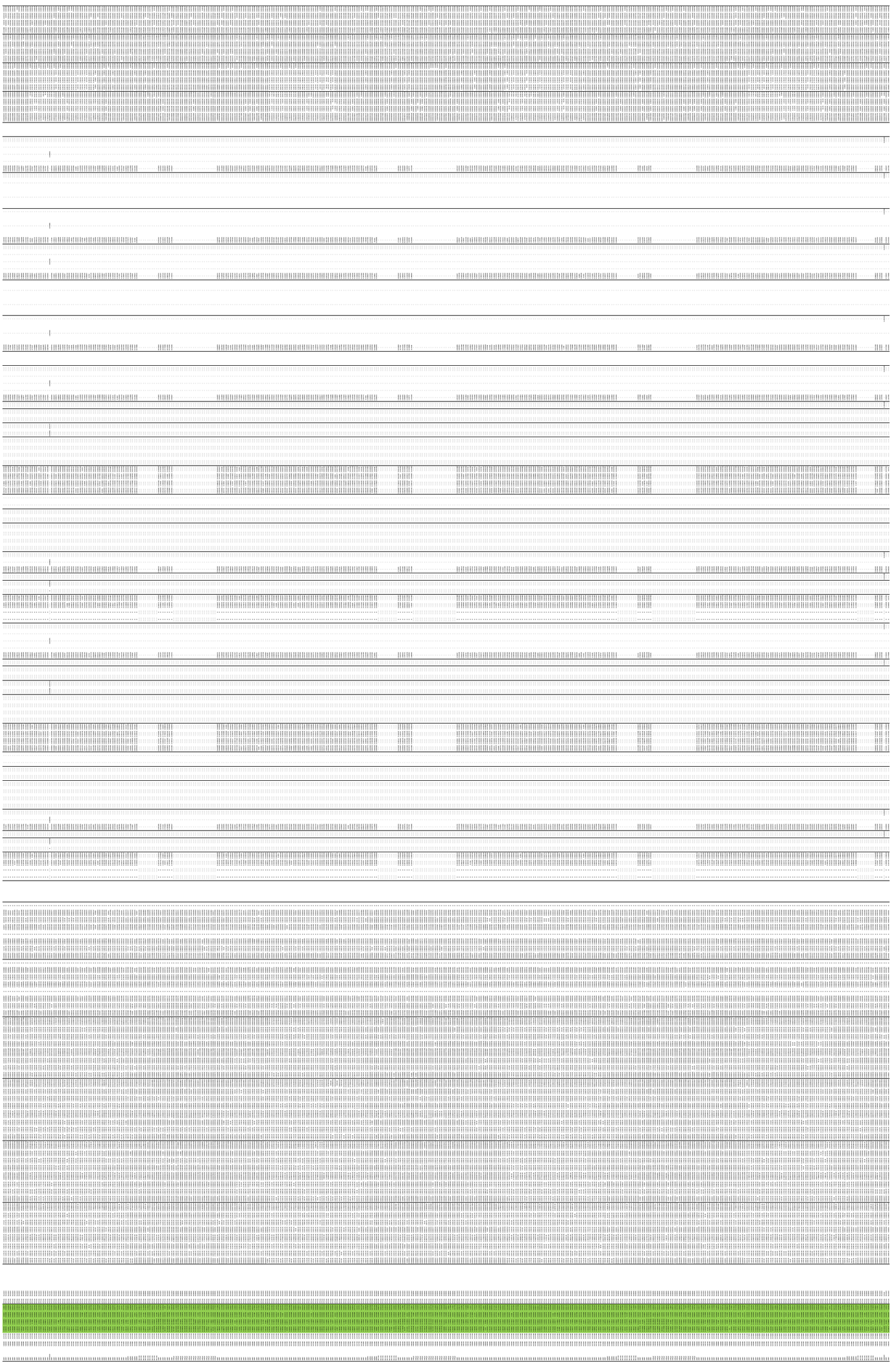


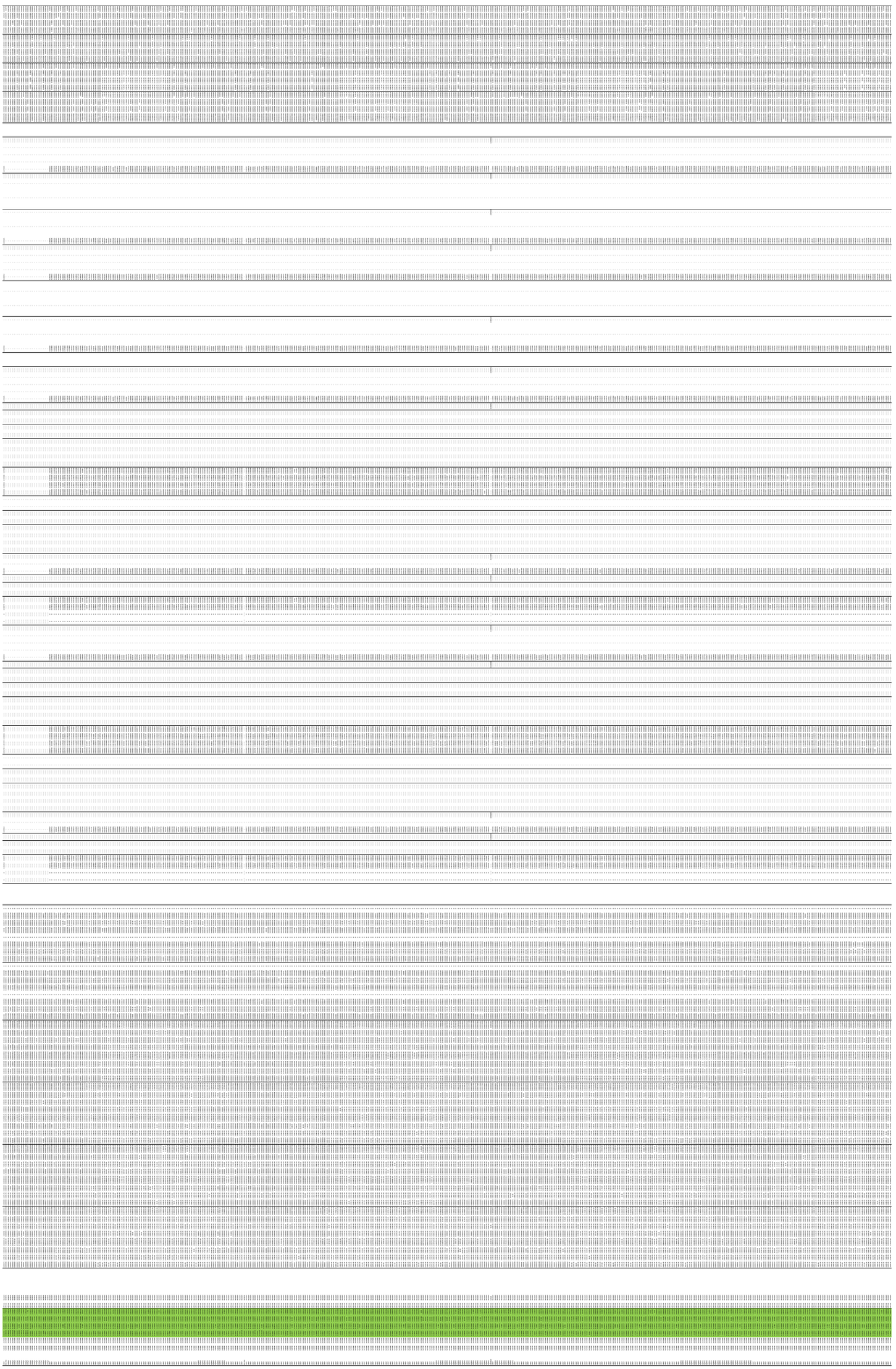


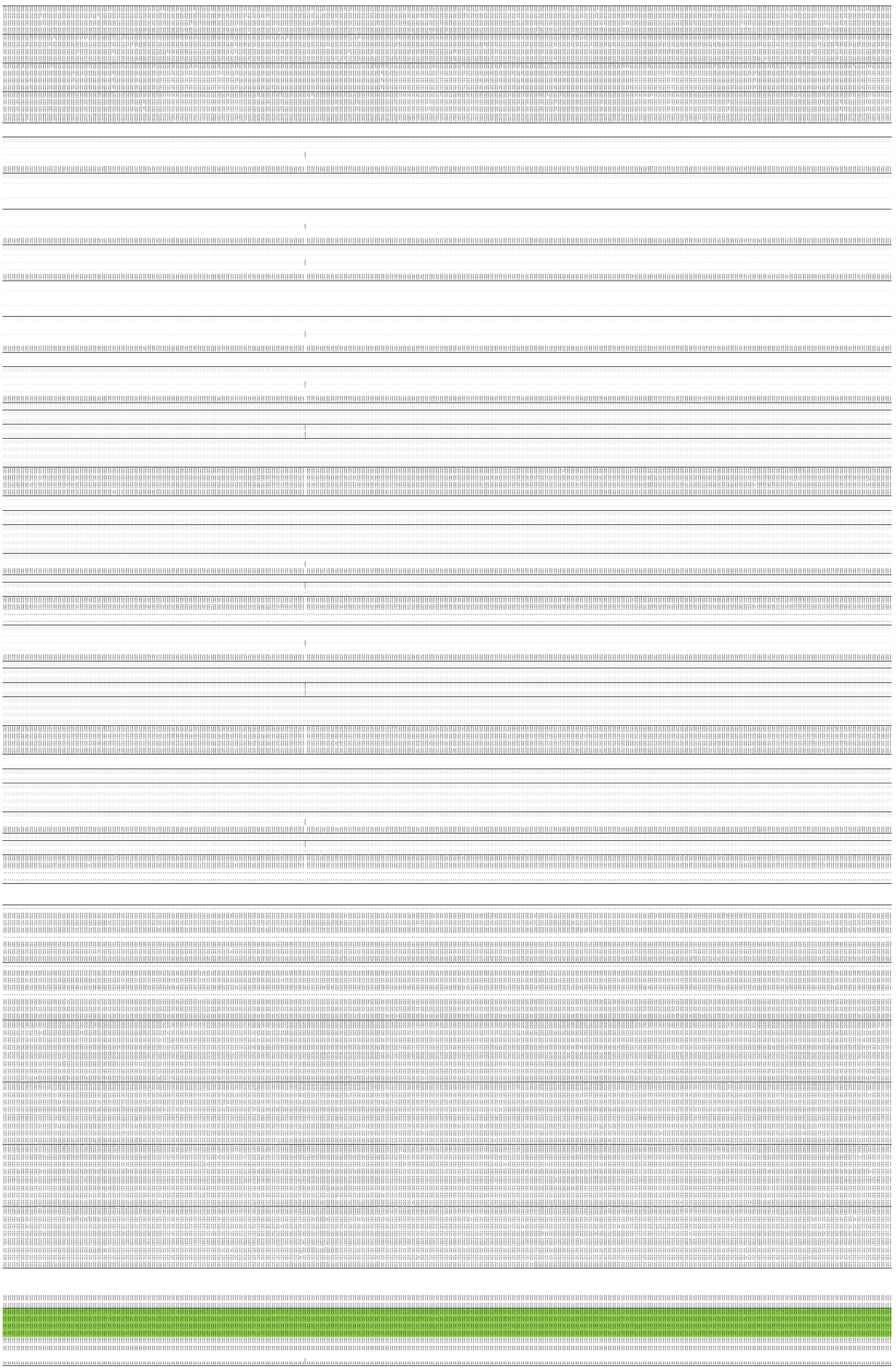


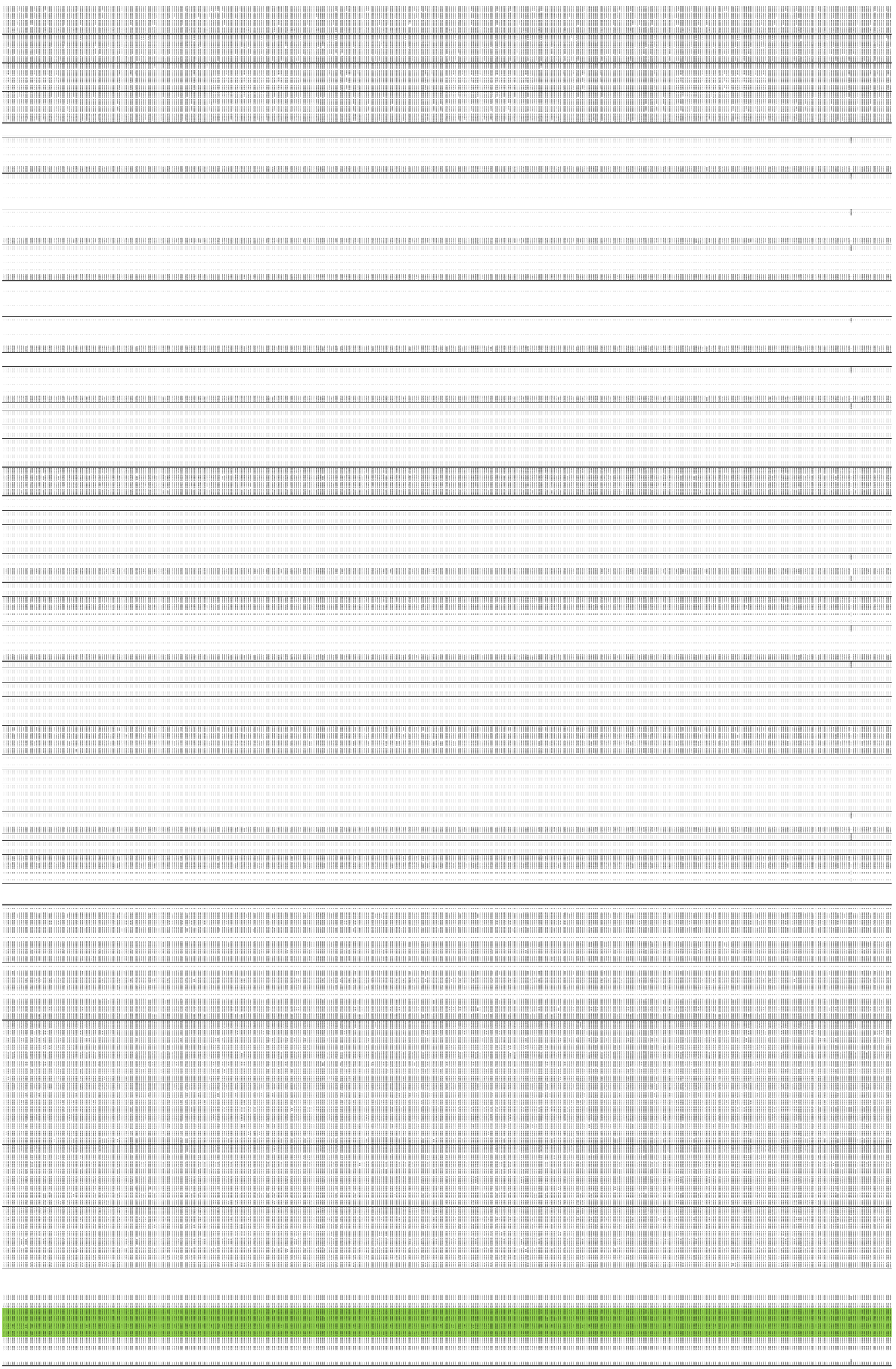


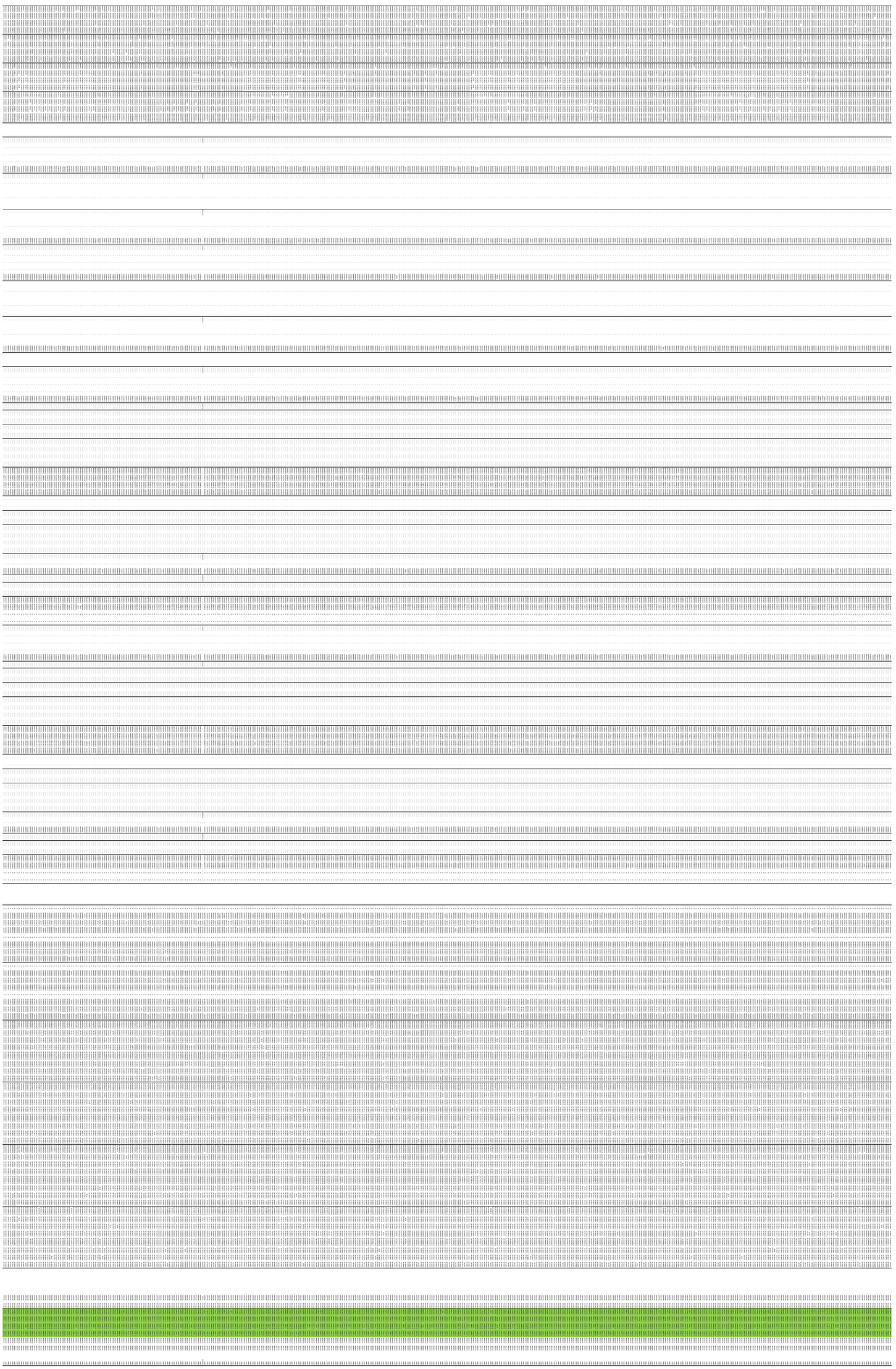


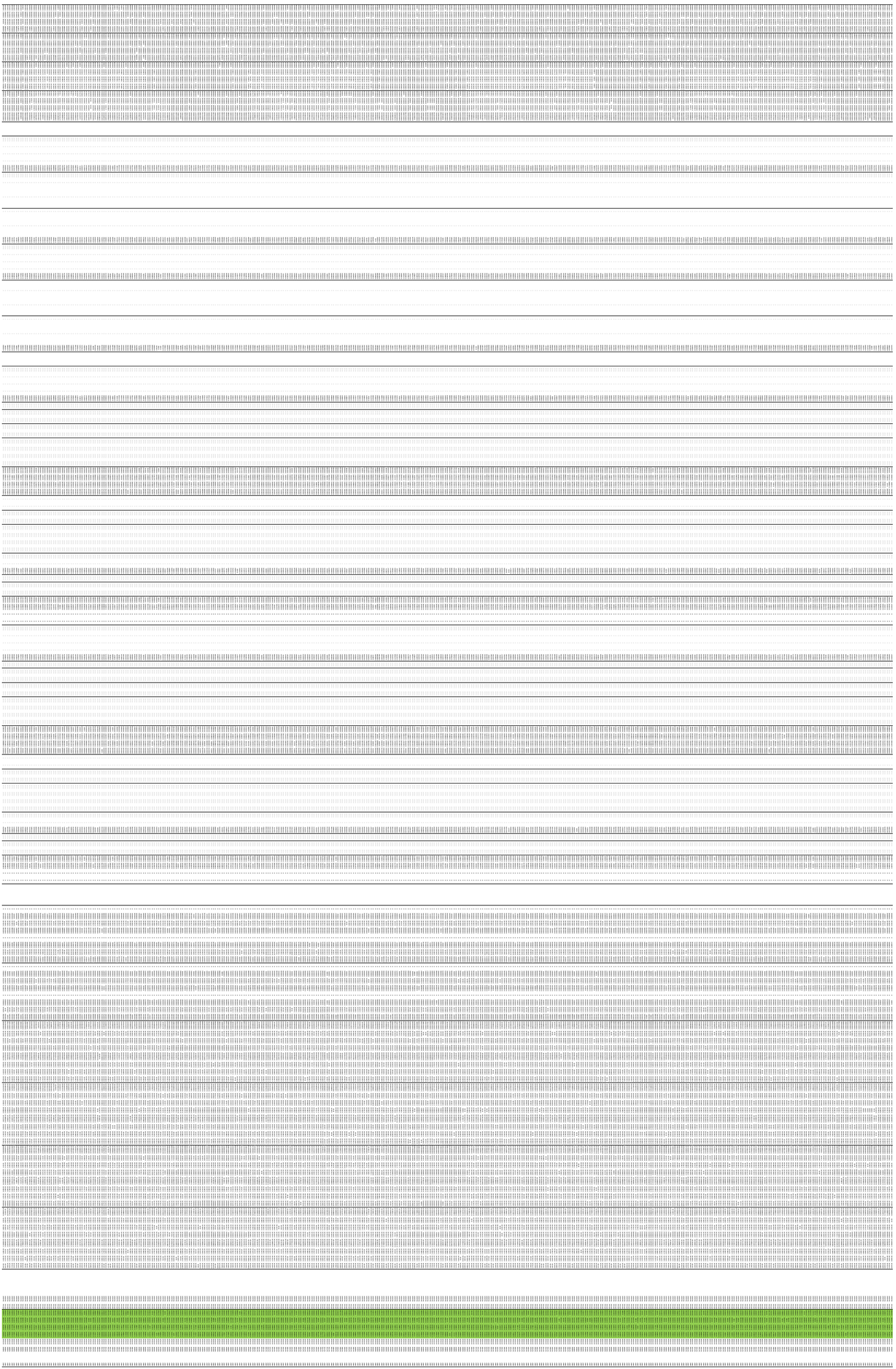


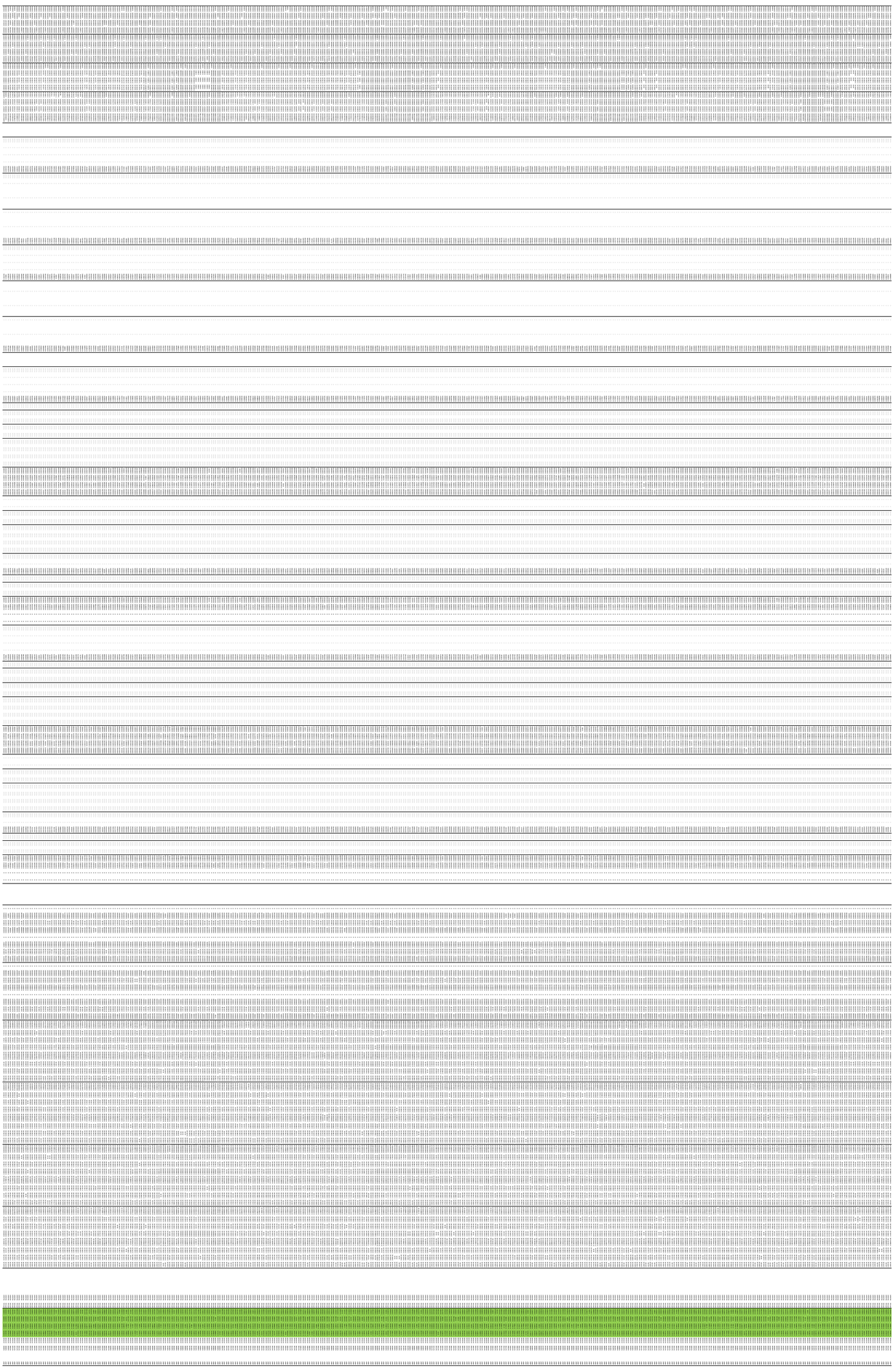


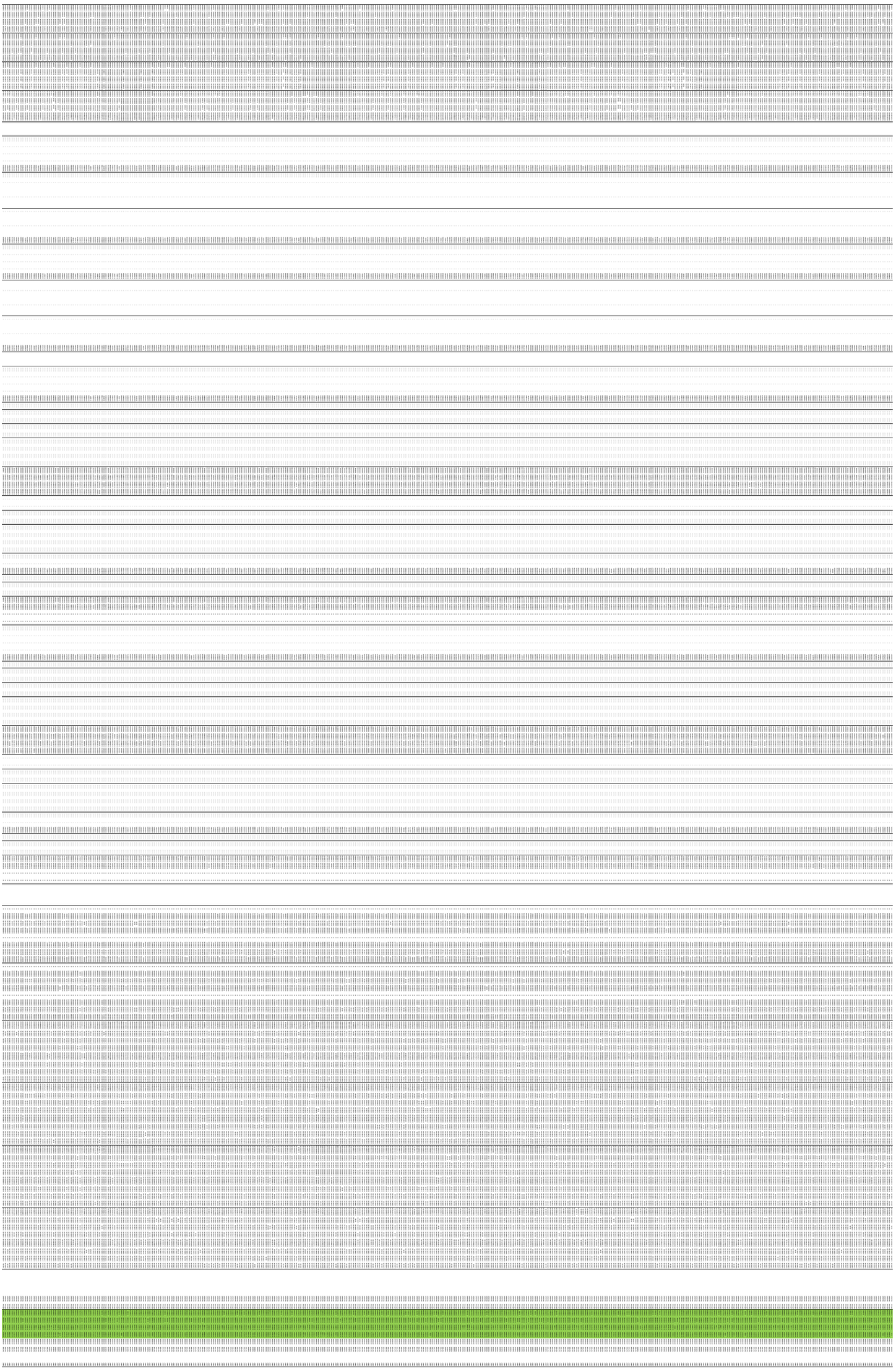


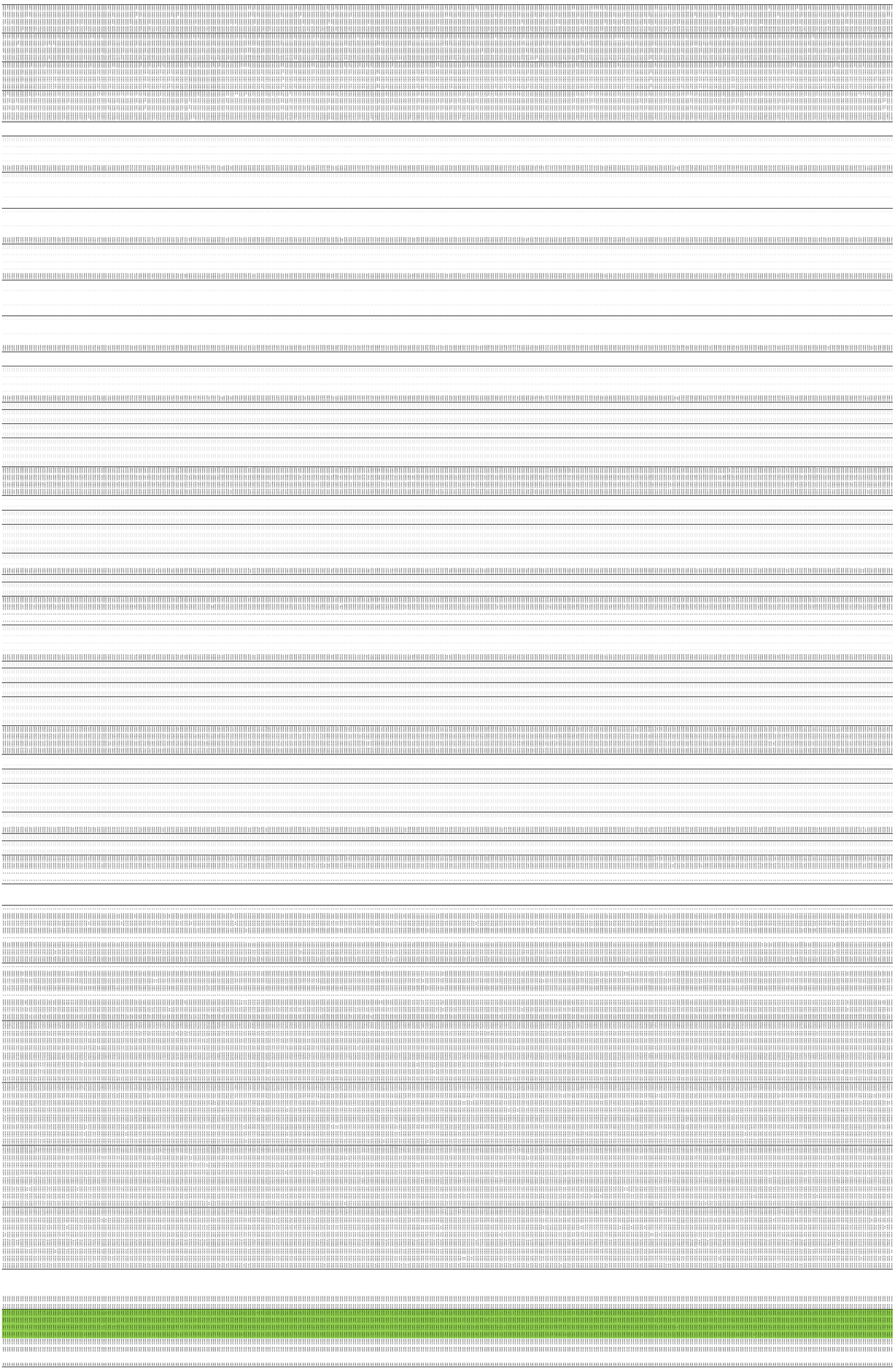


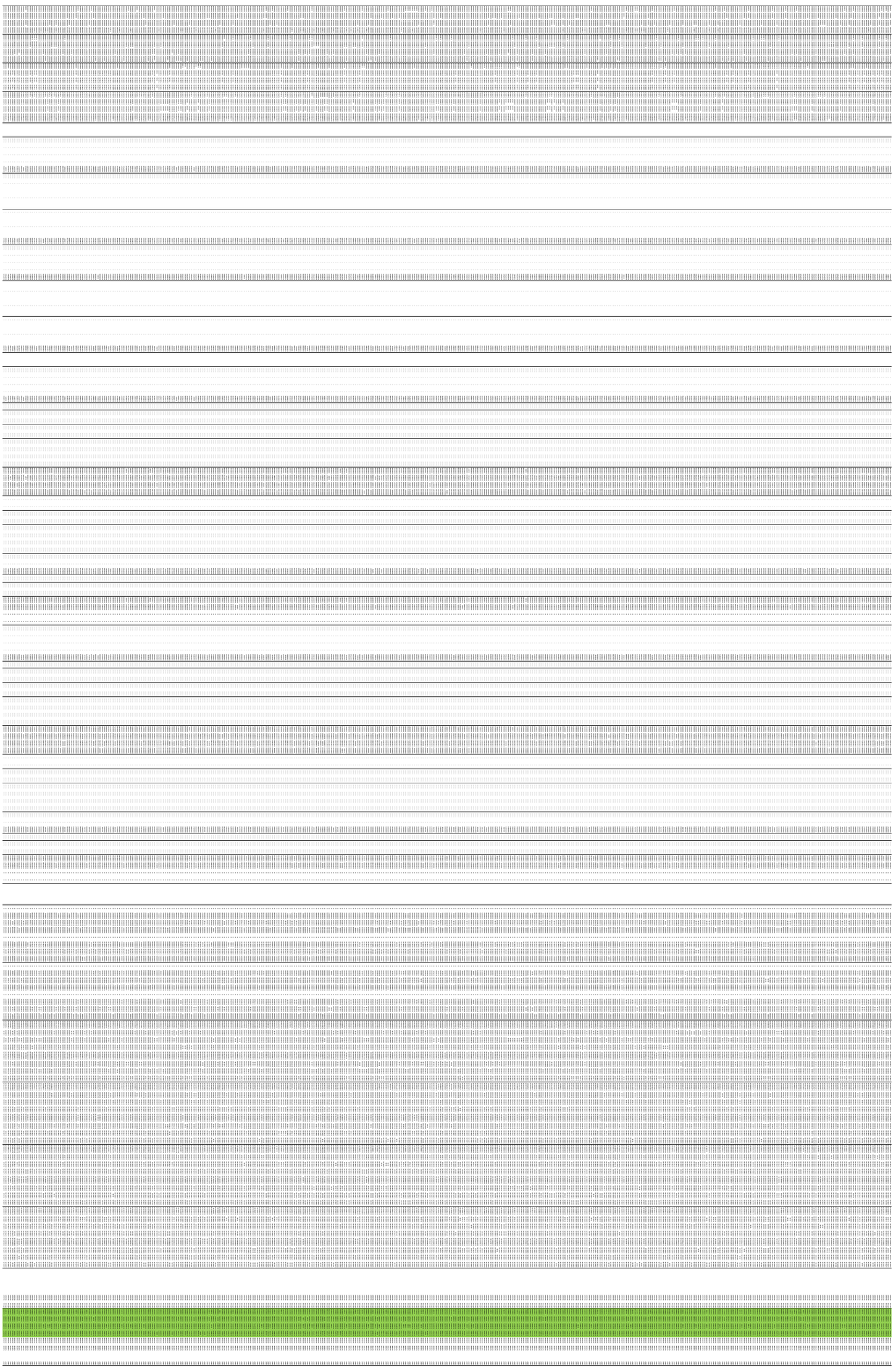


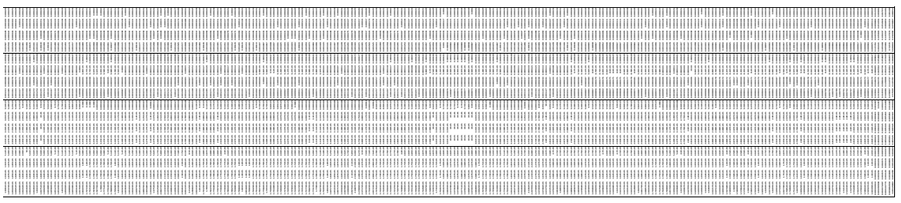


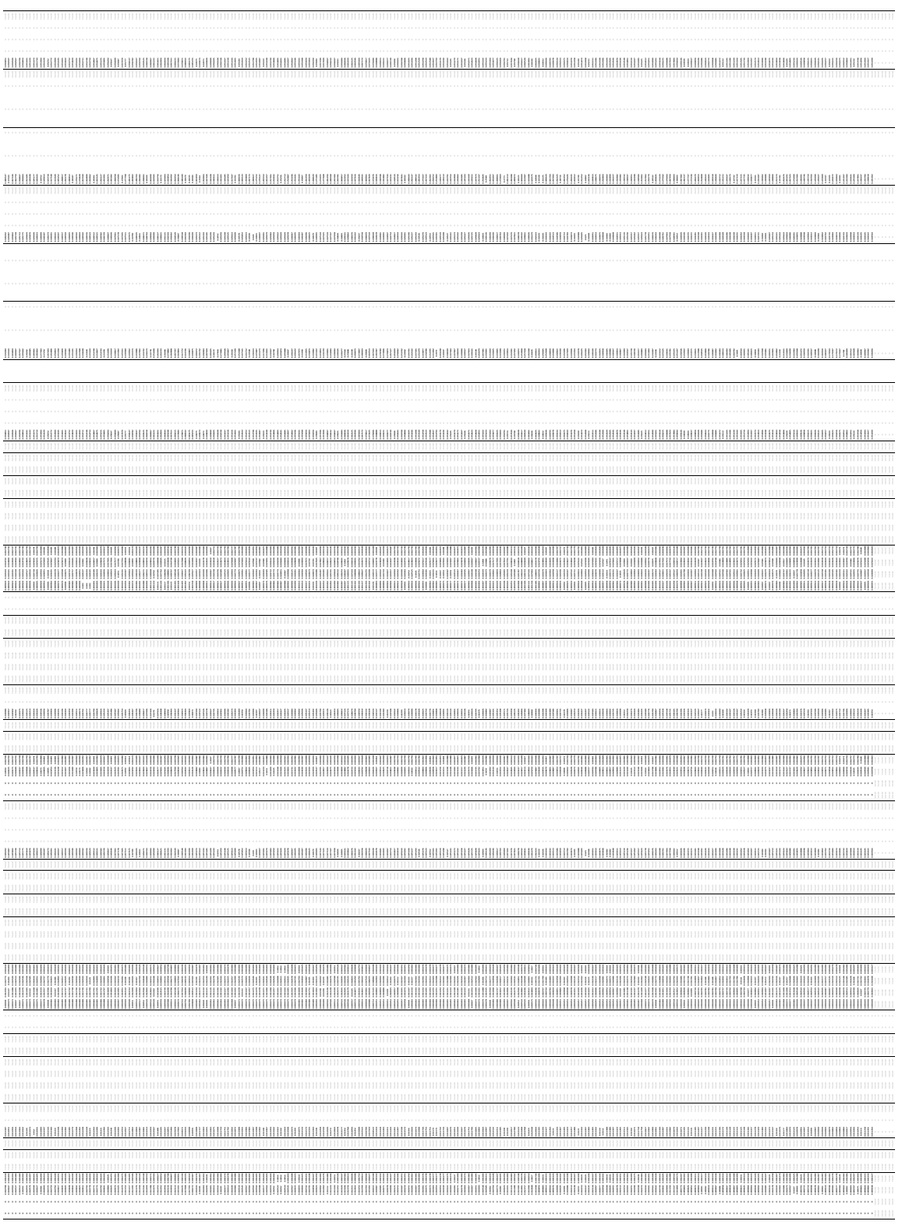


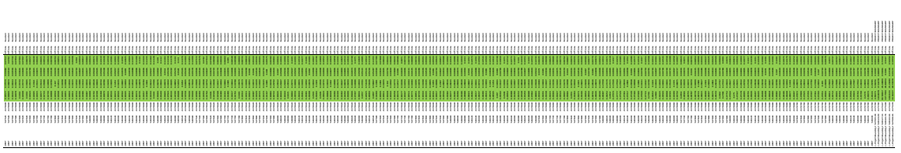




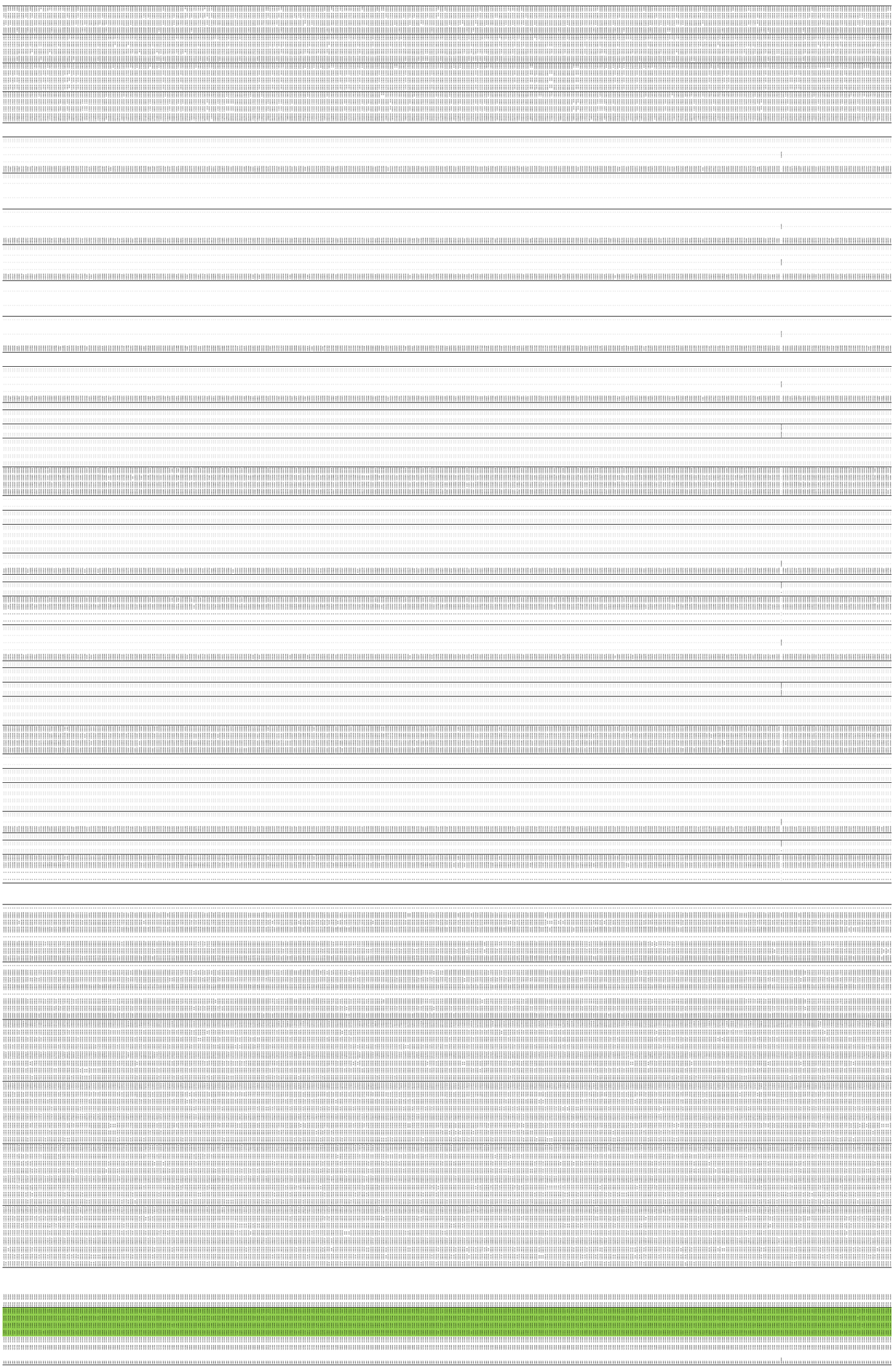


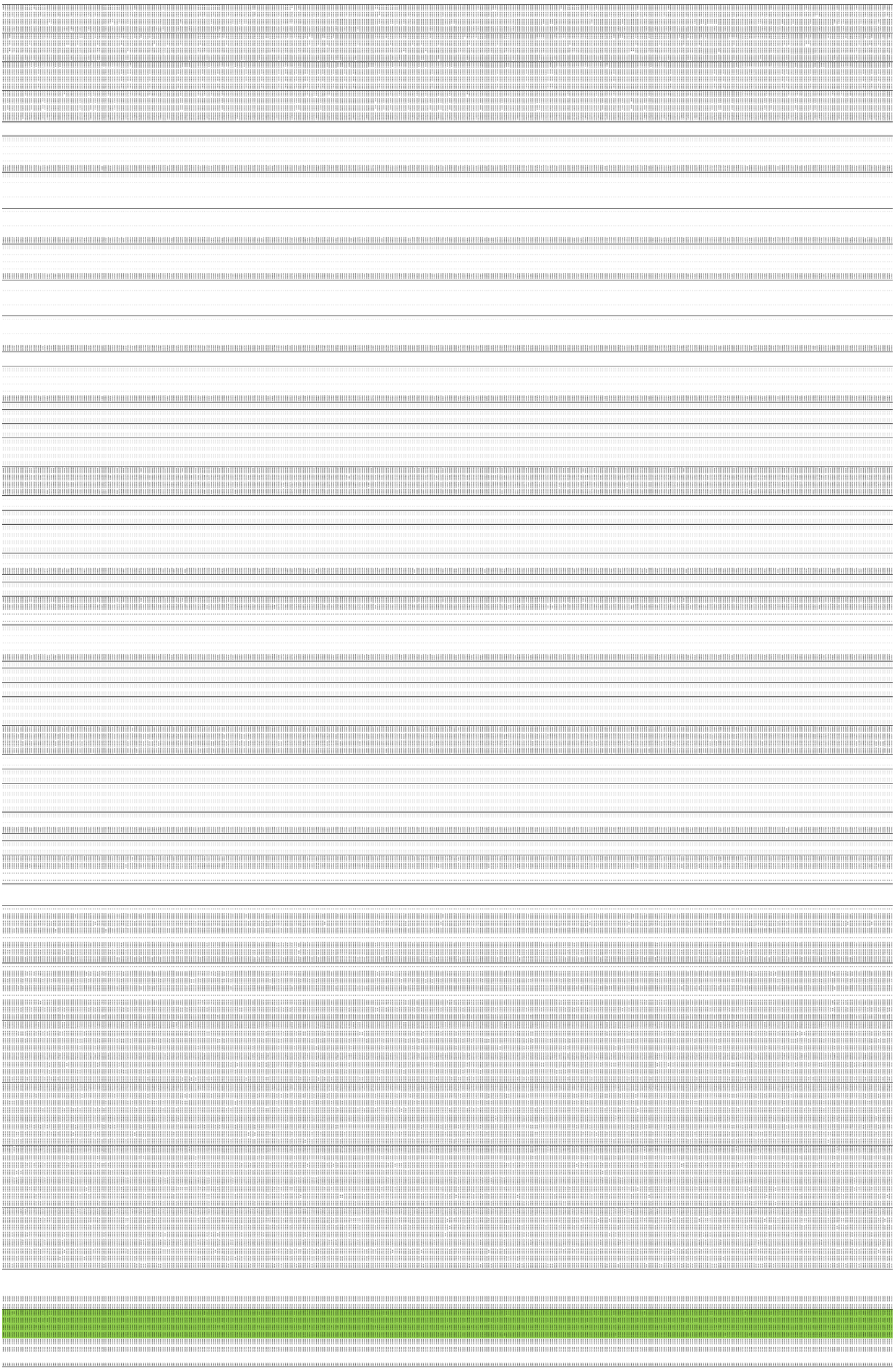


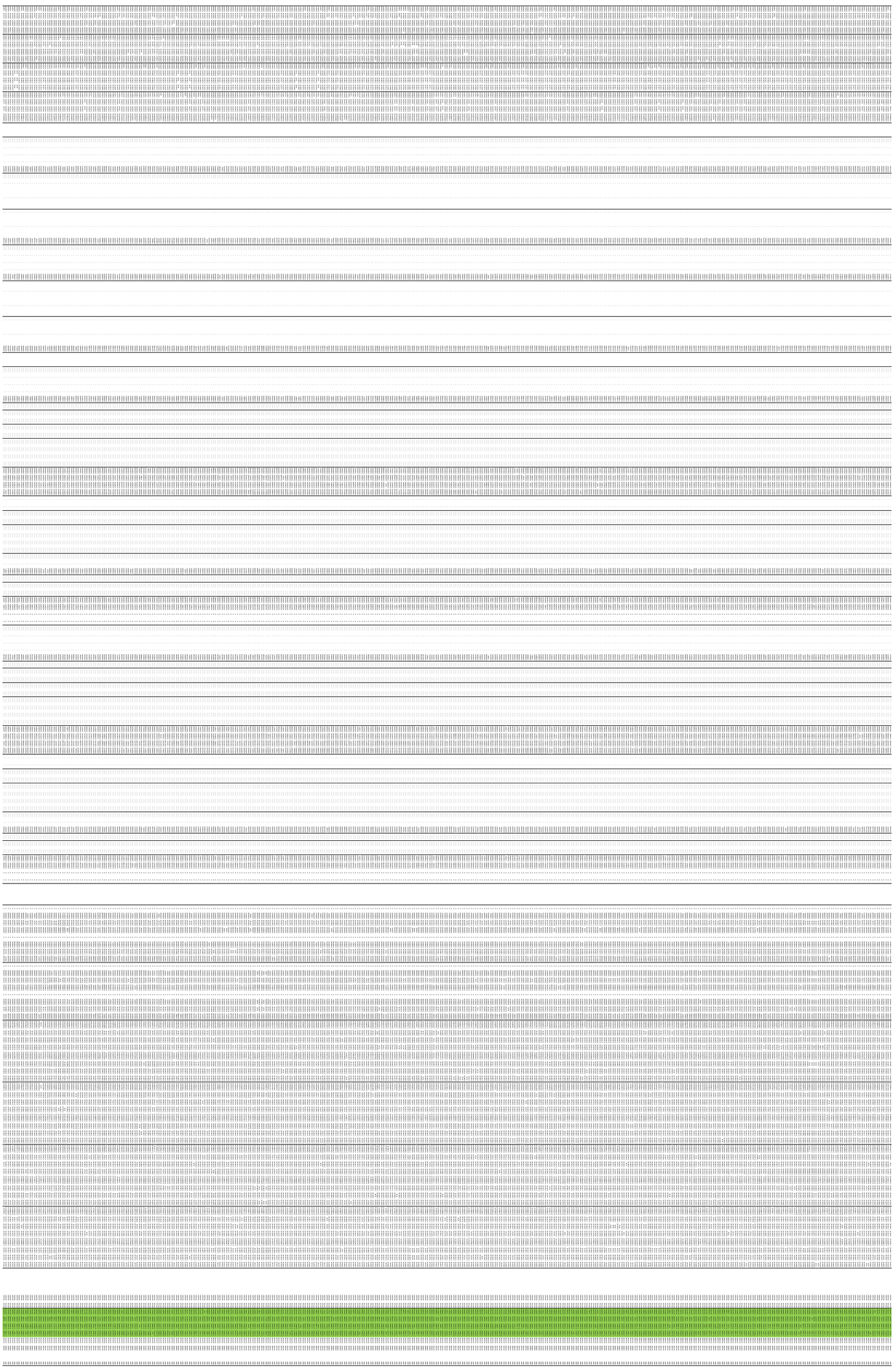


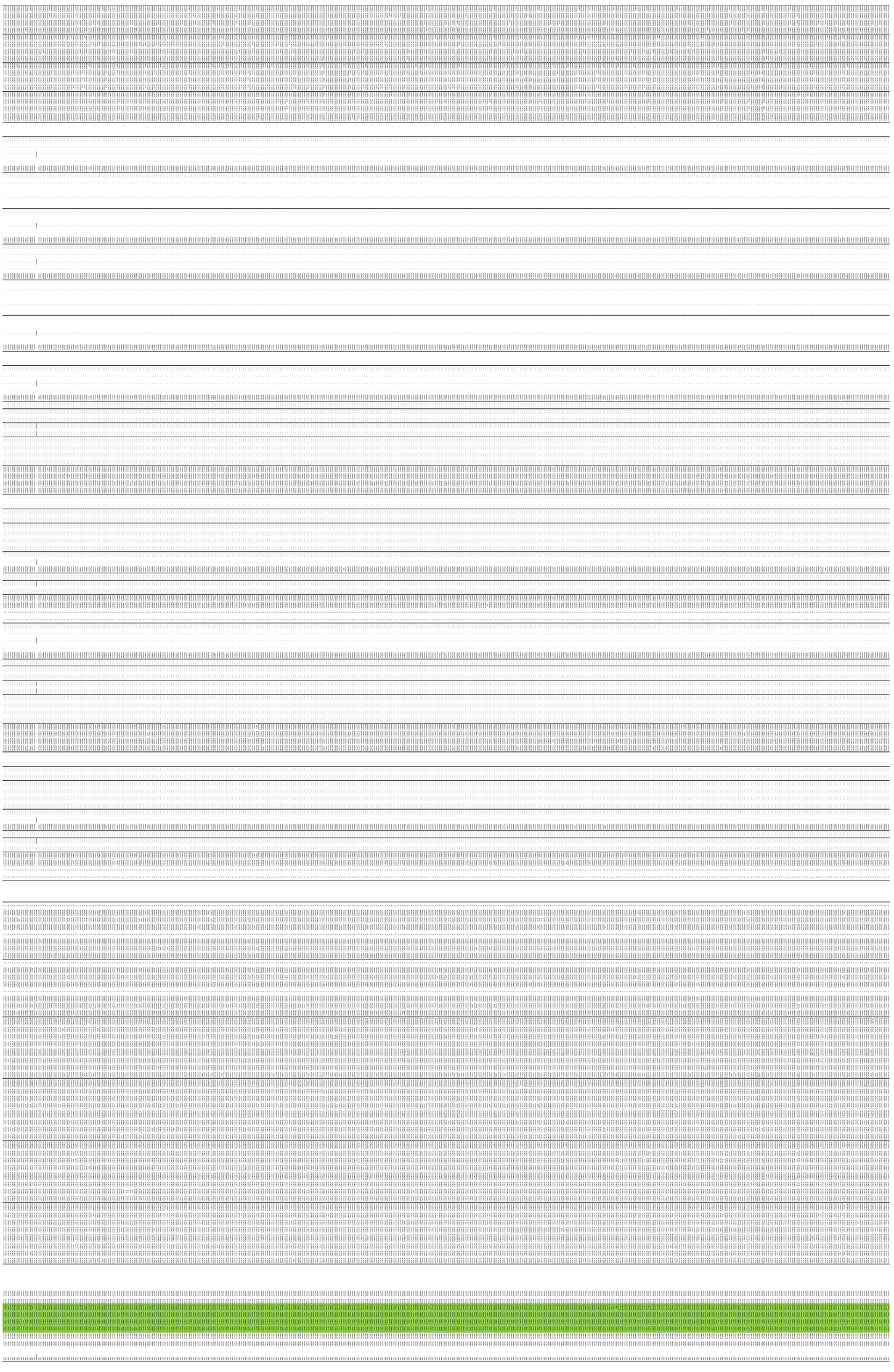


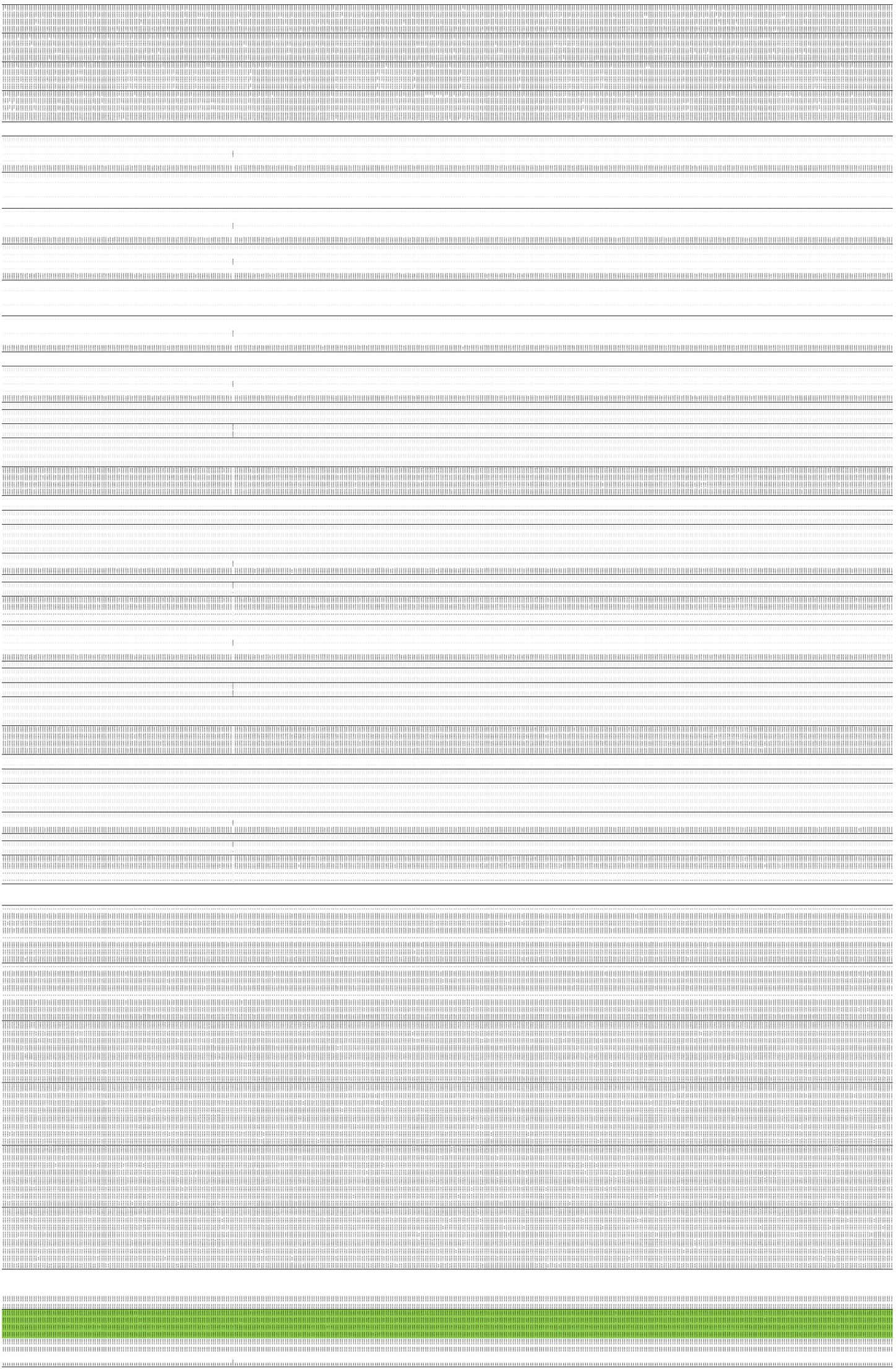
B13 Operational Health Risks and PM2.5 Concentrations – Controlled

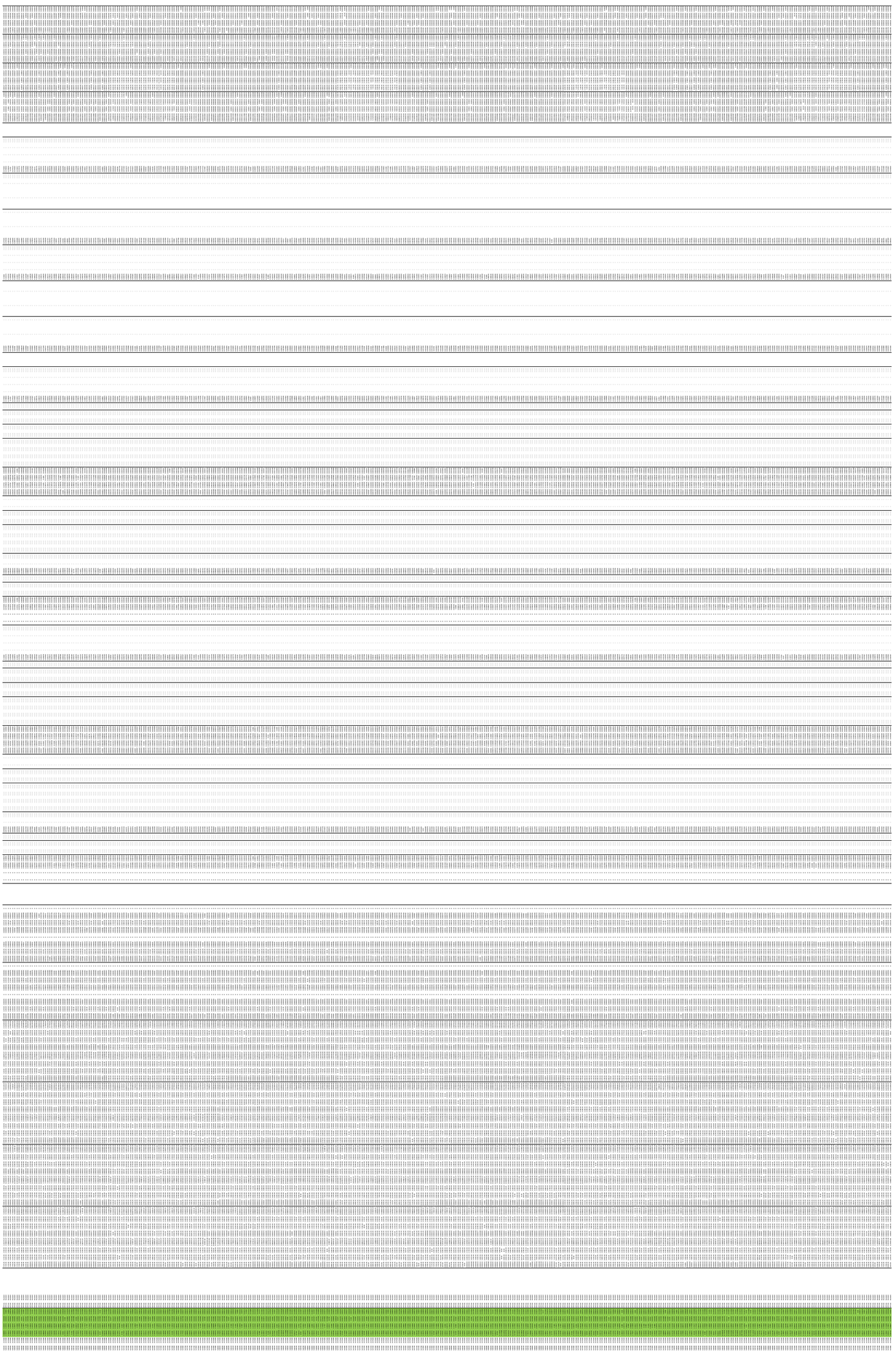


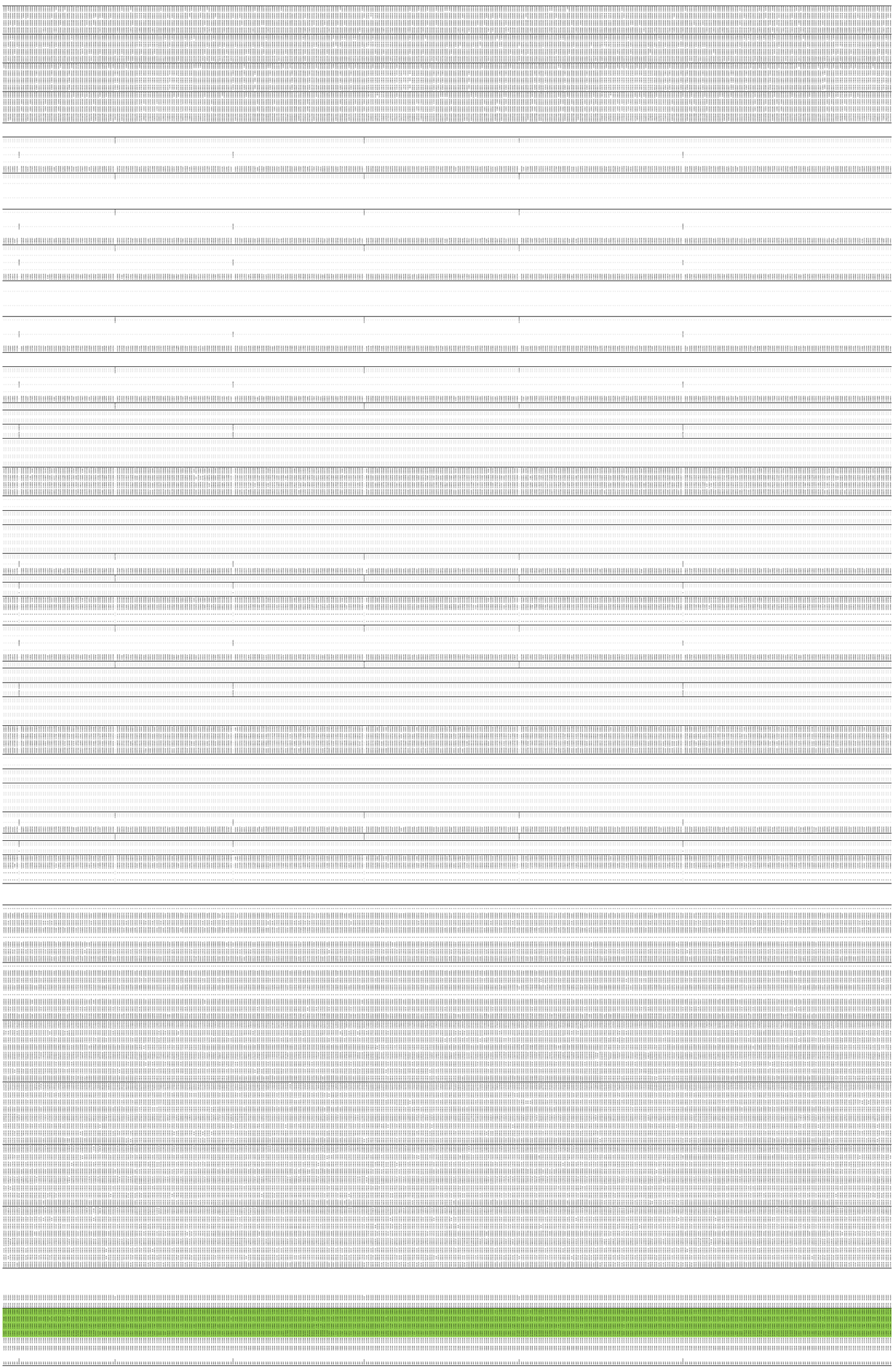


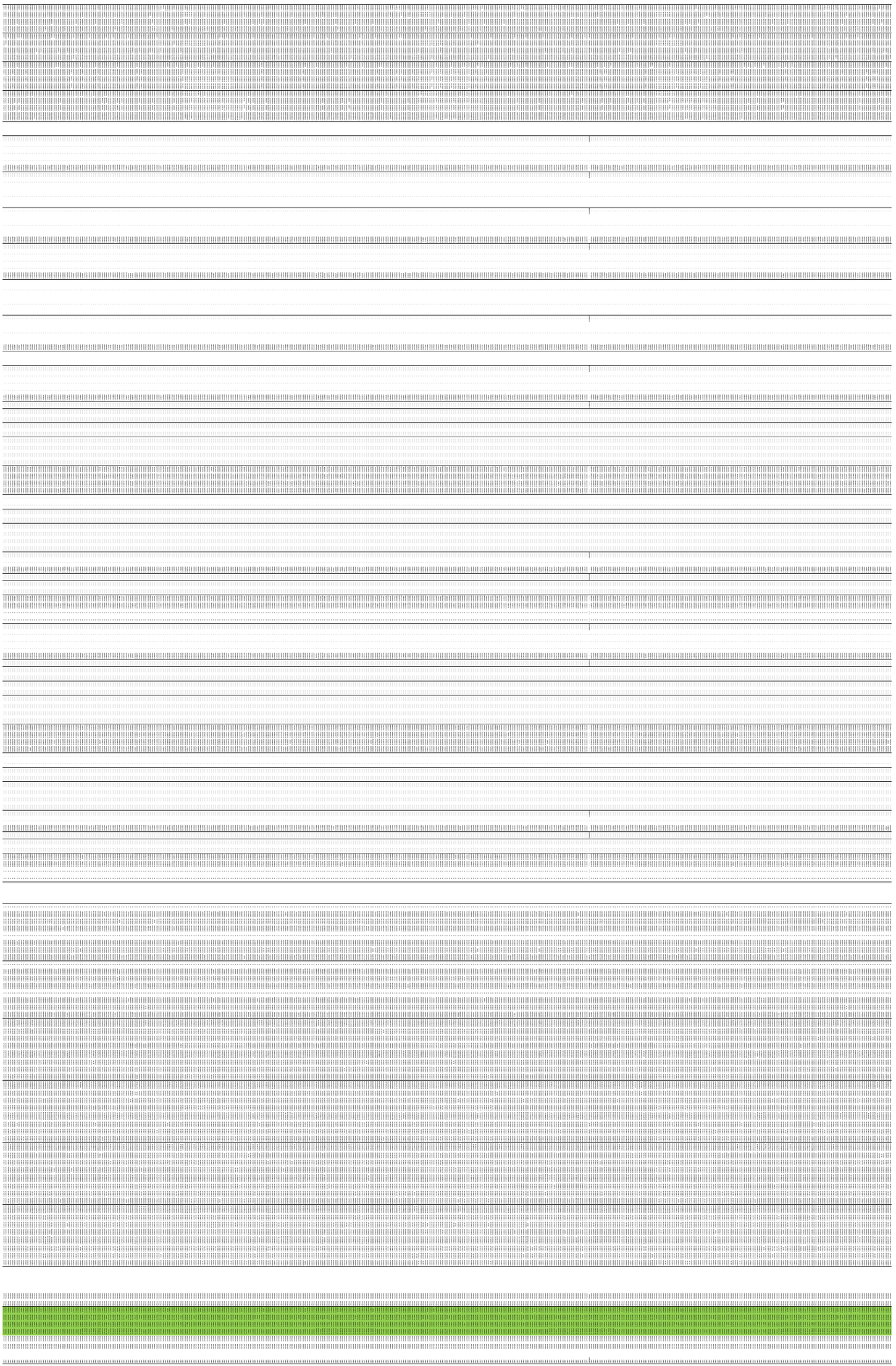


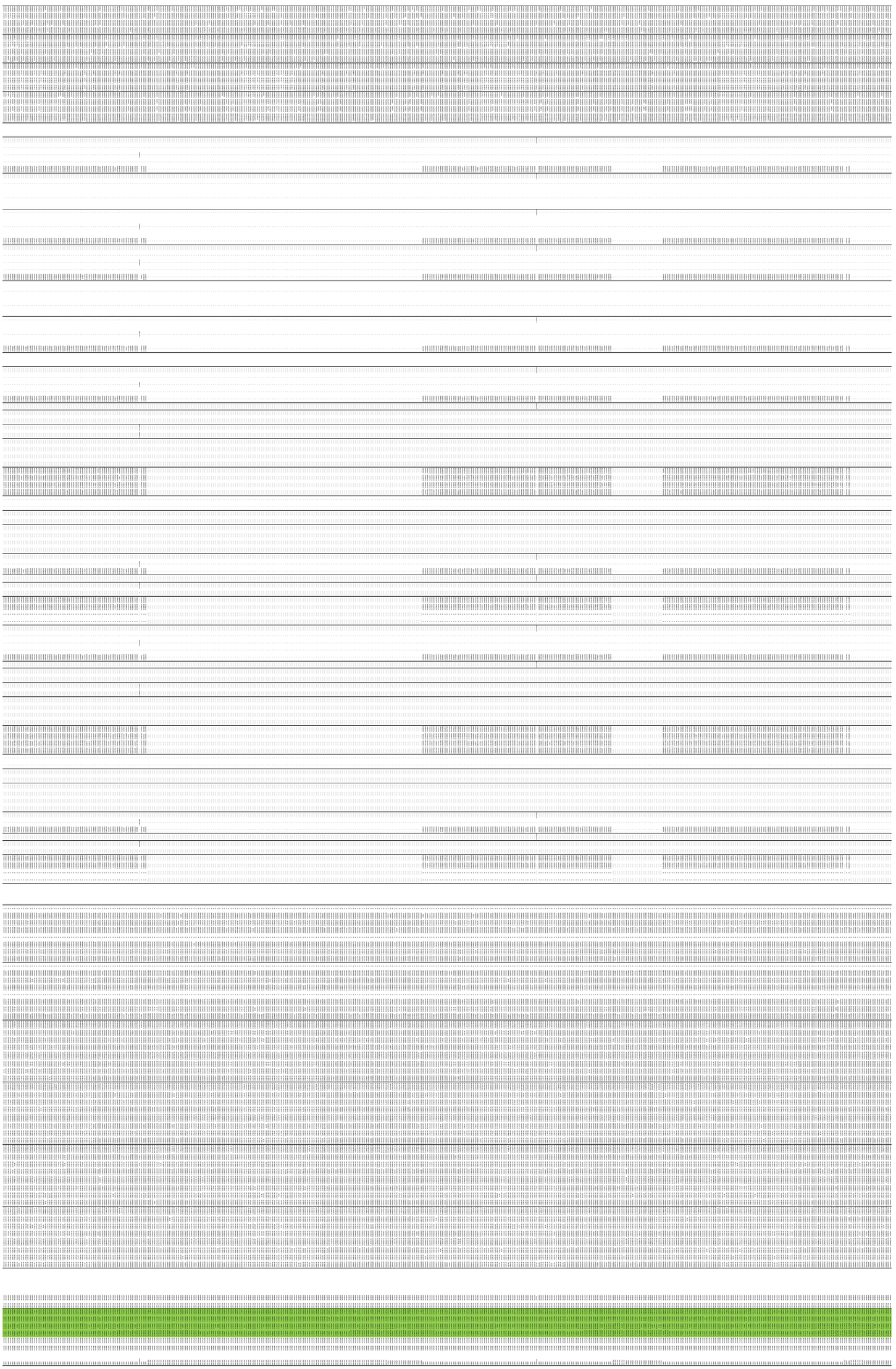


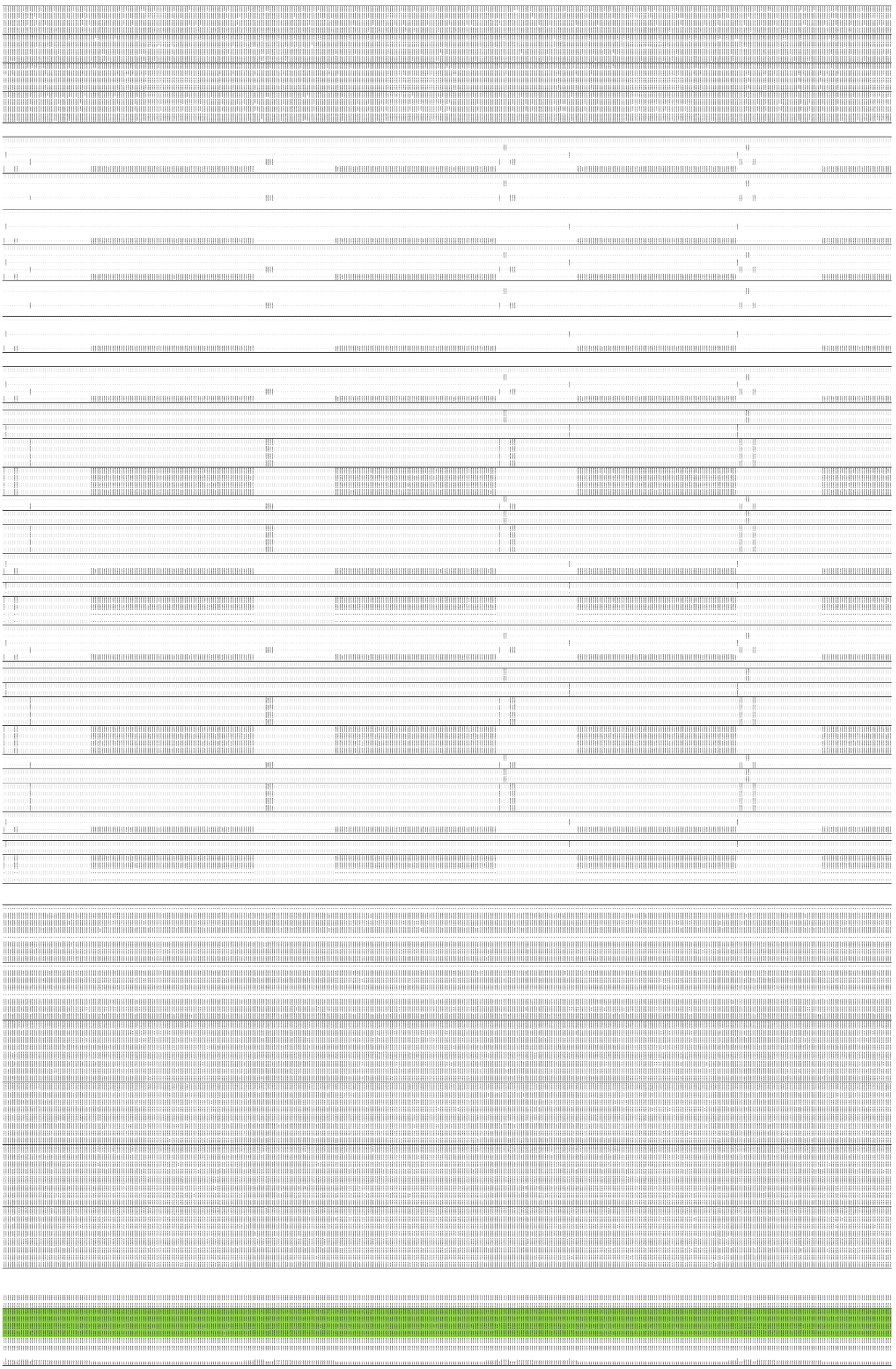


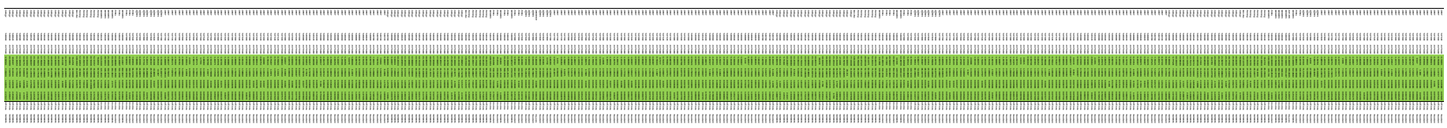


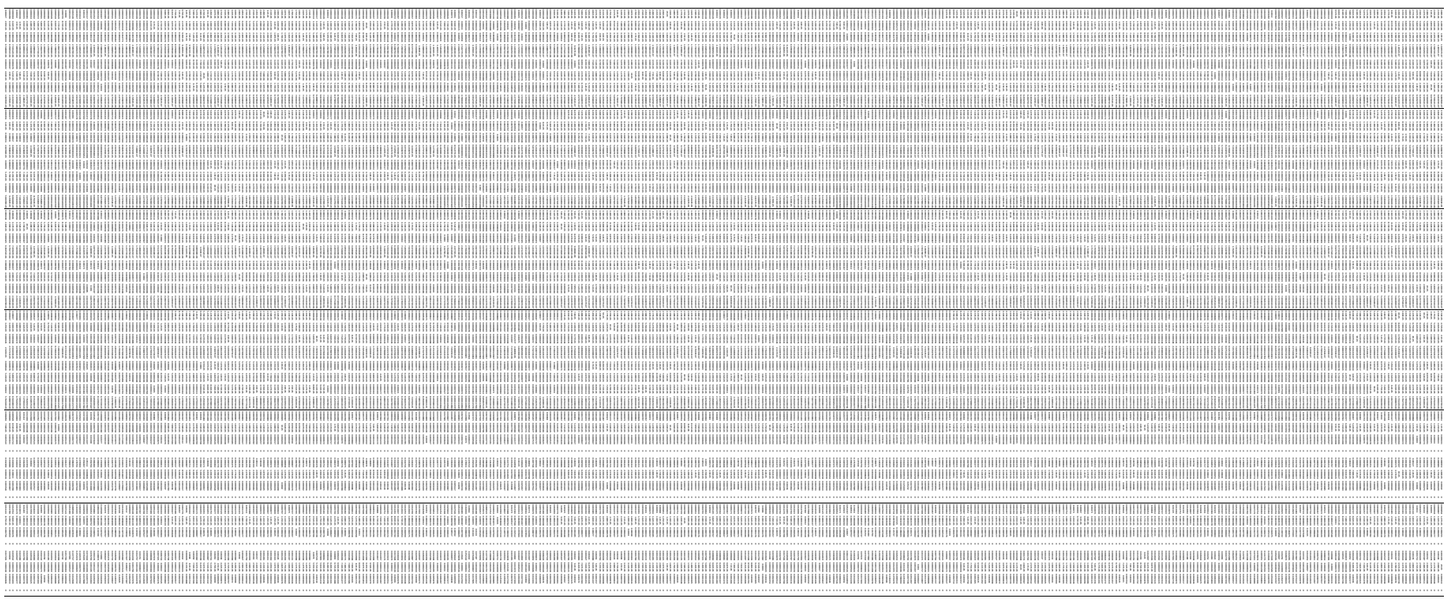


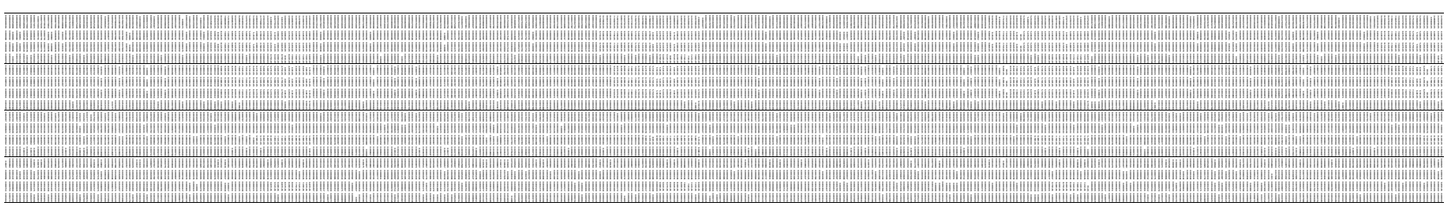


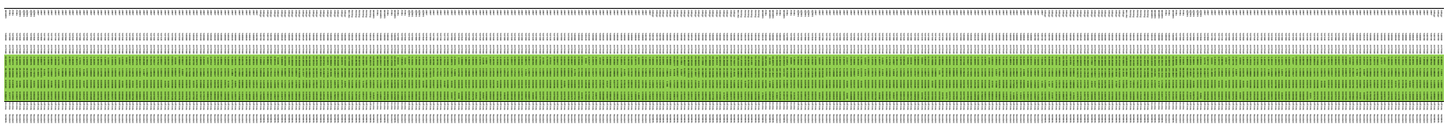


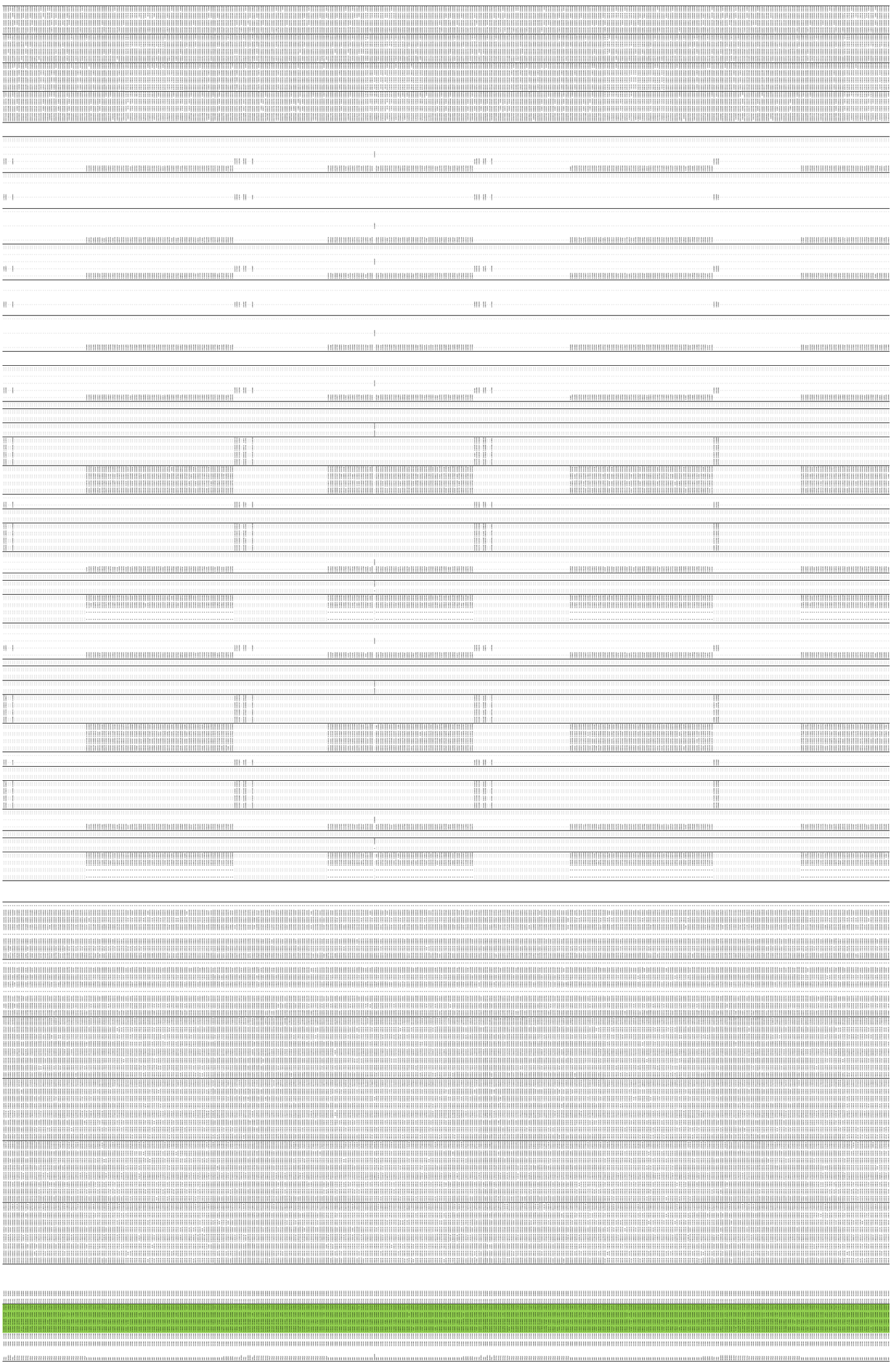


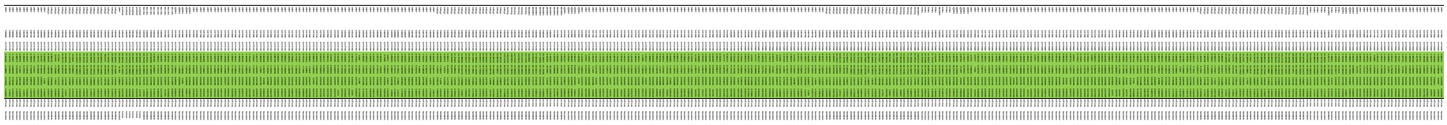


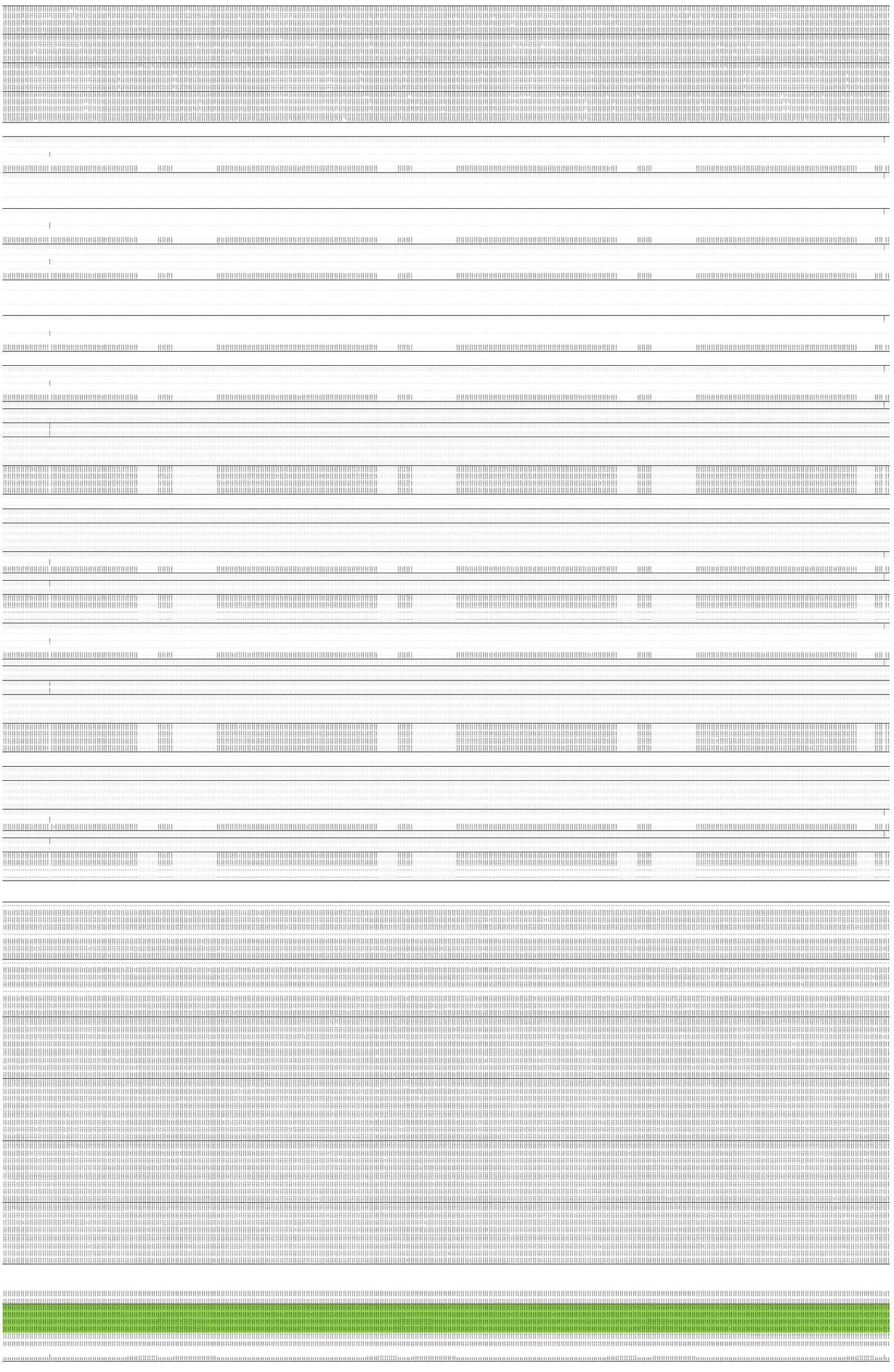


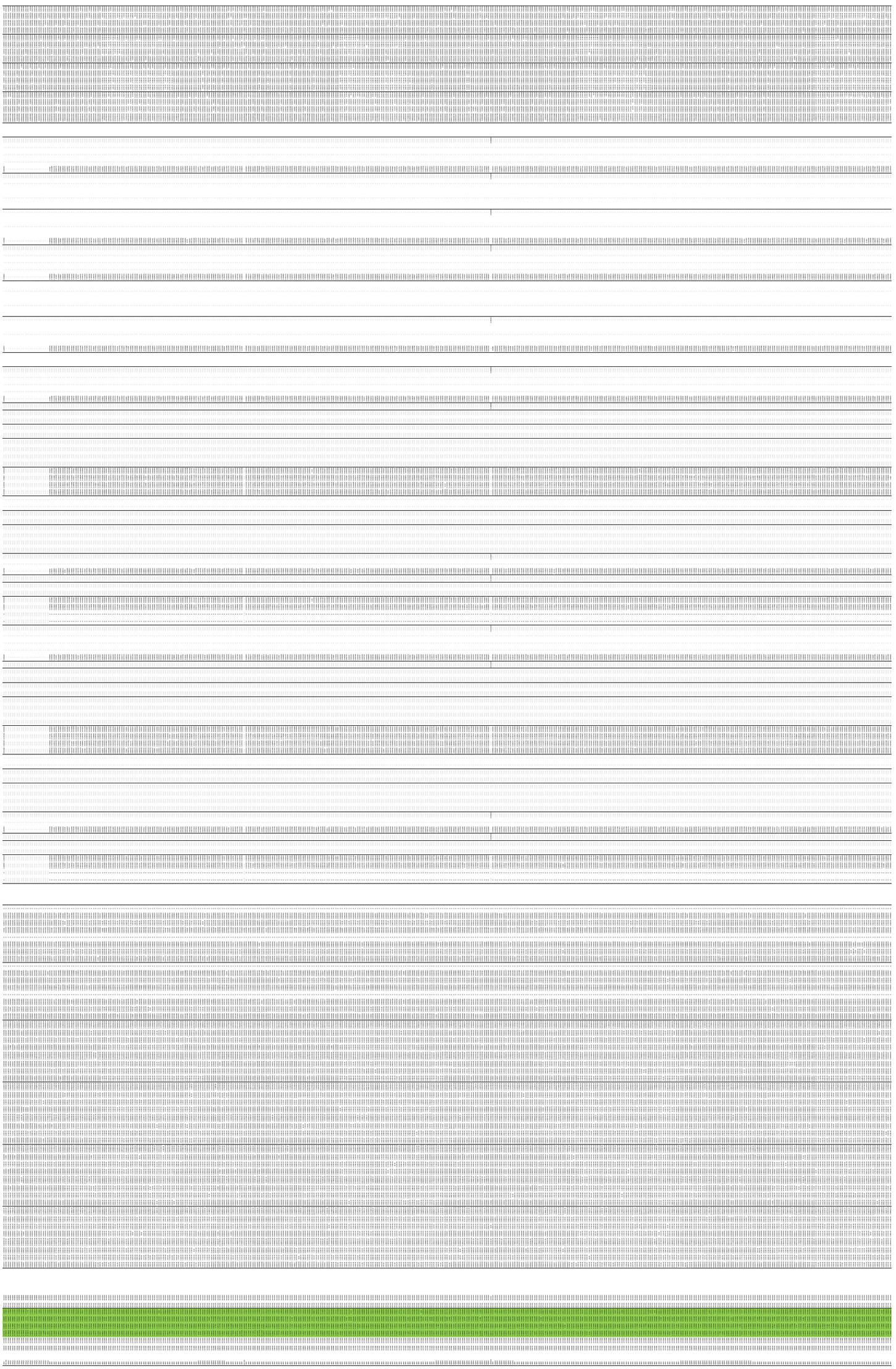


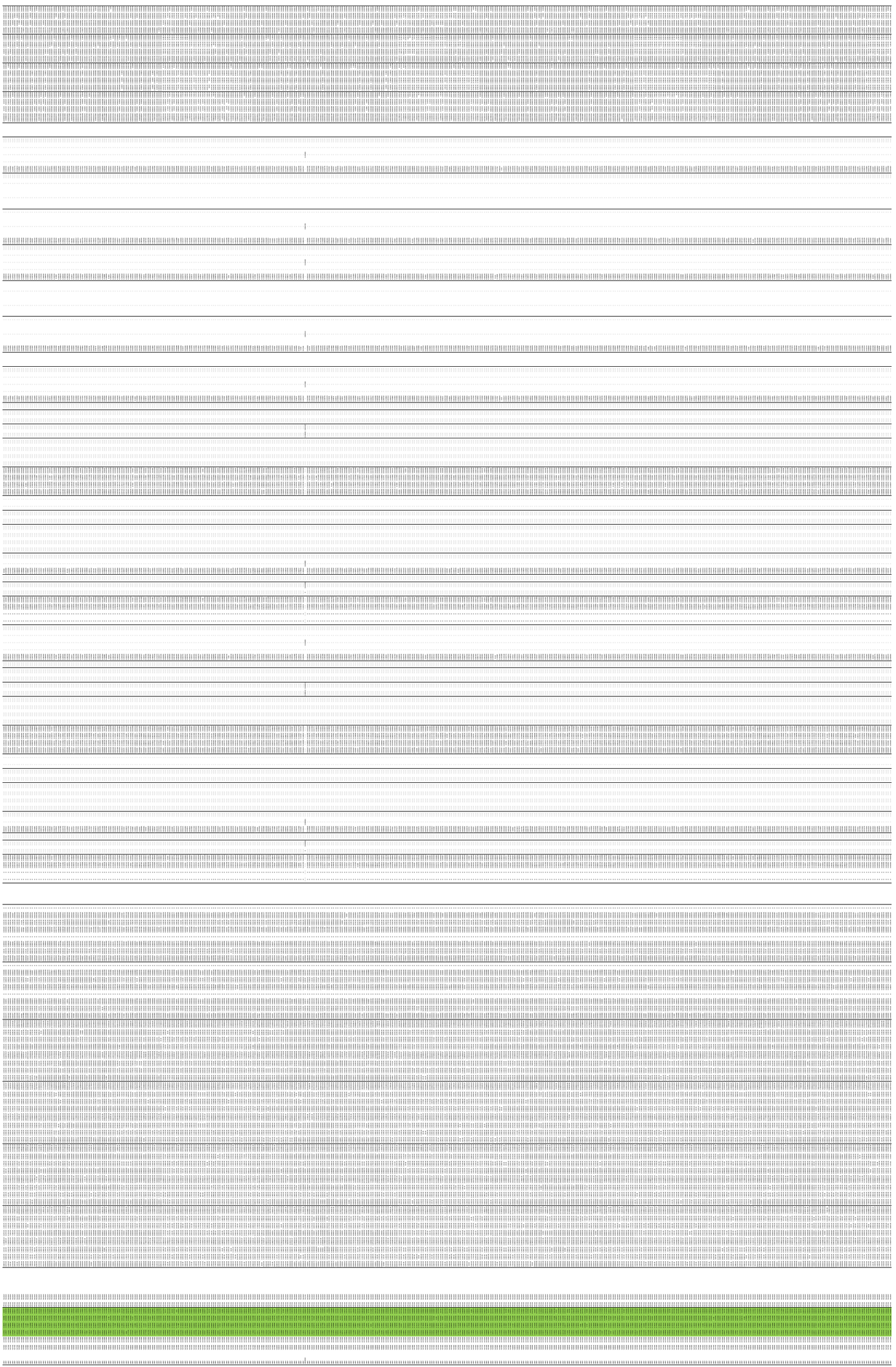


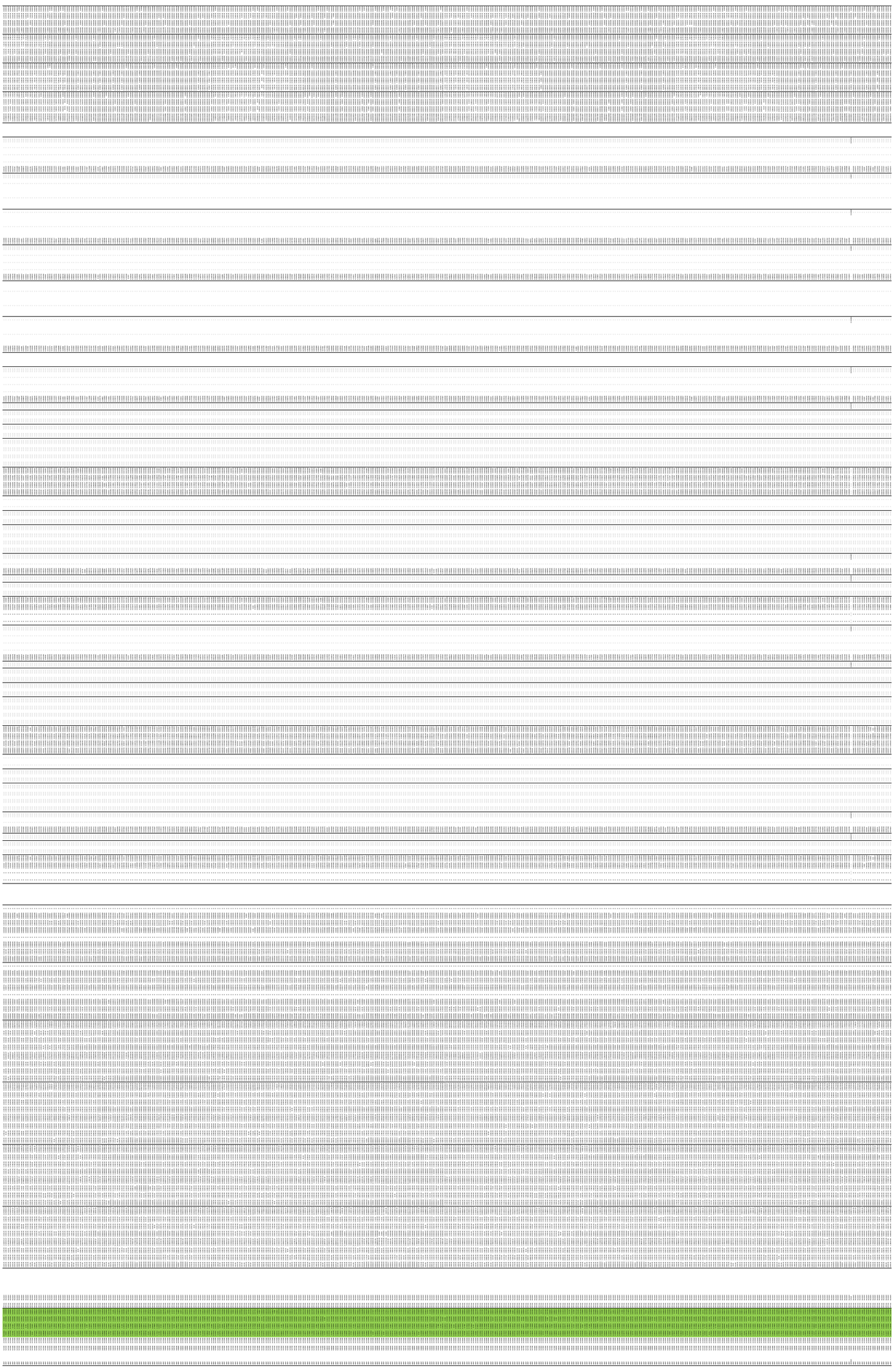


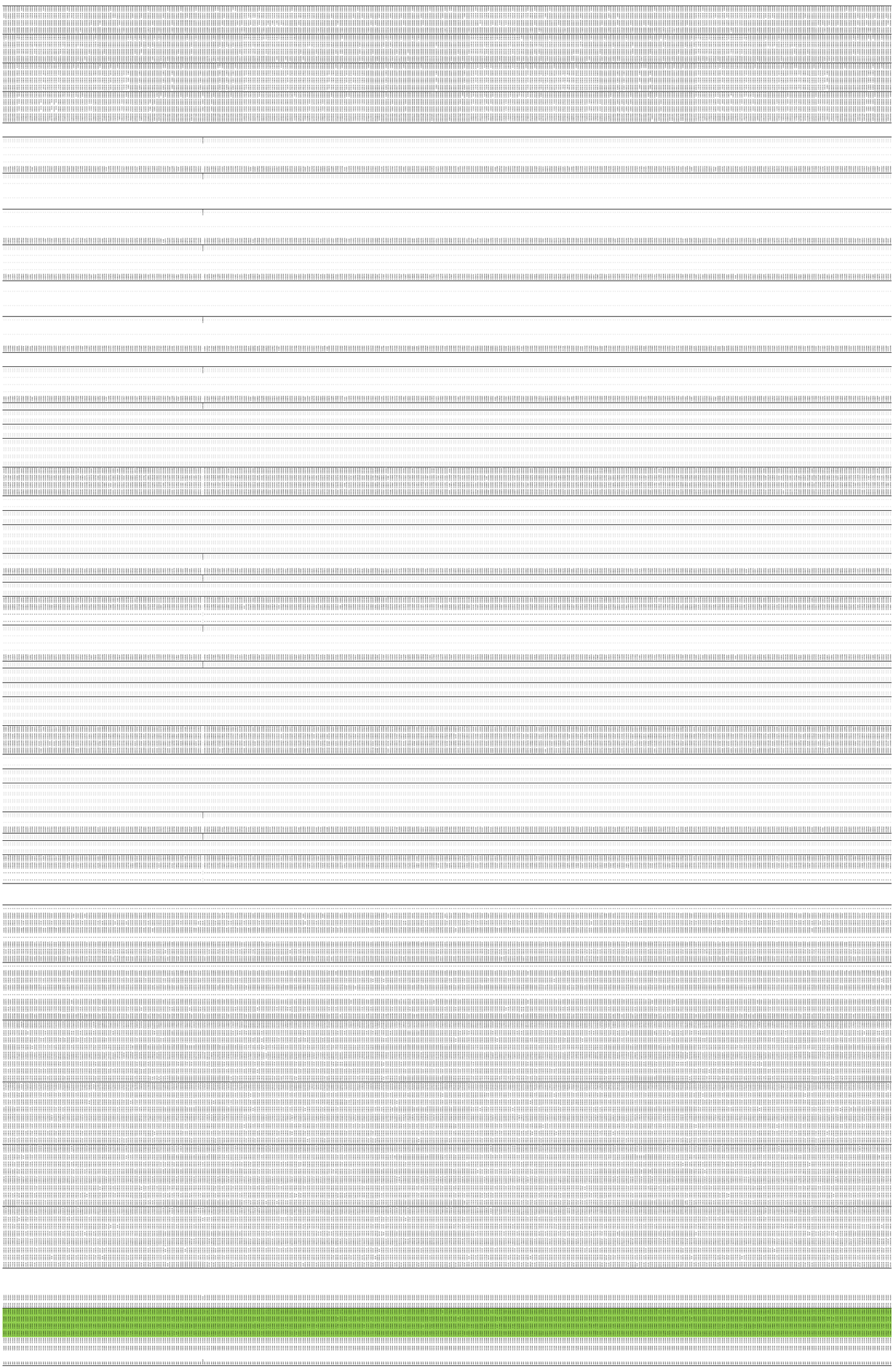


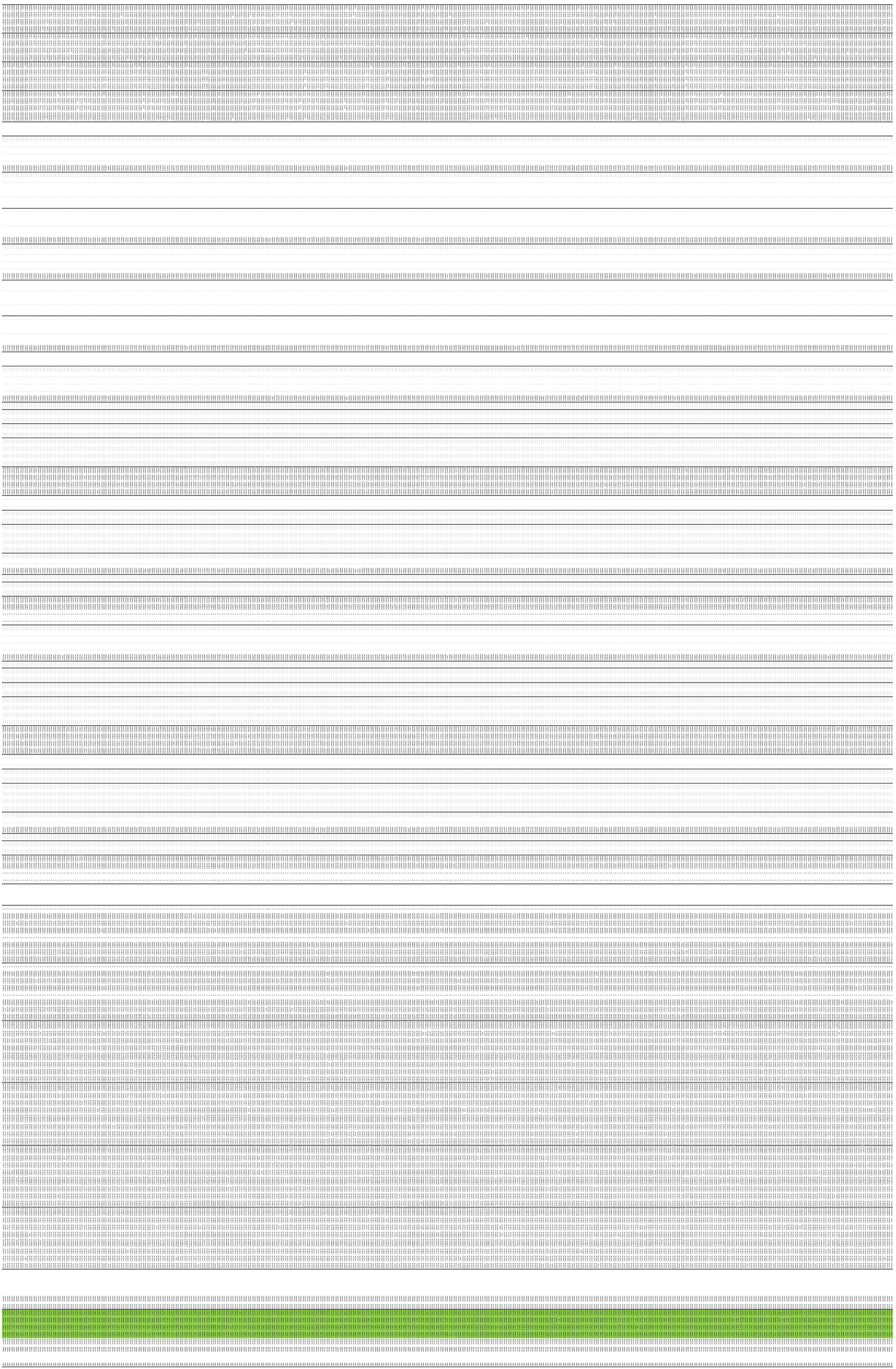


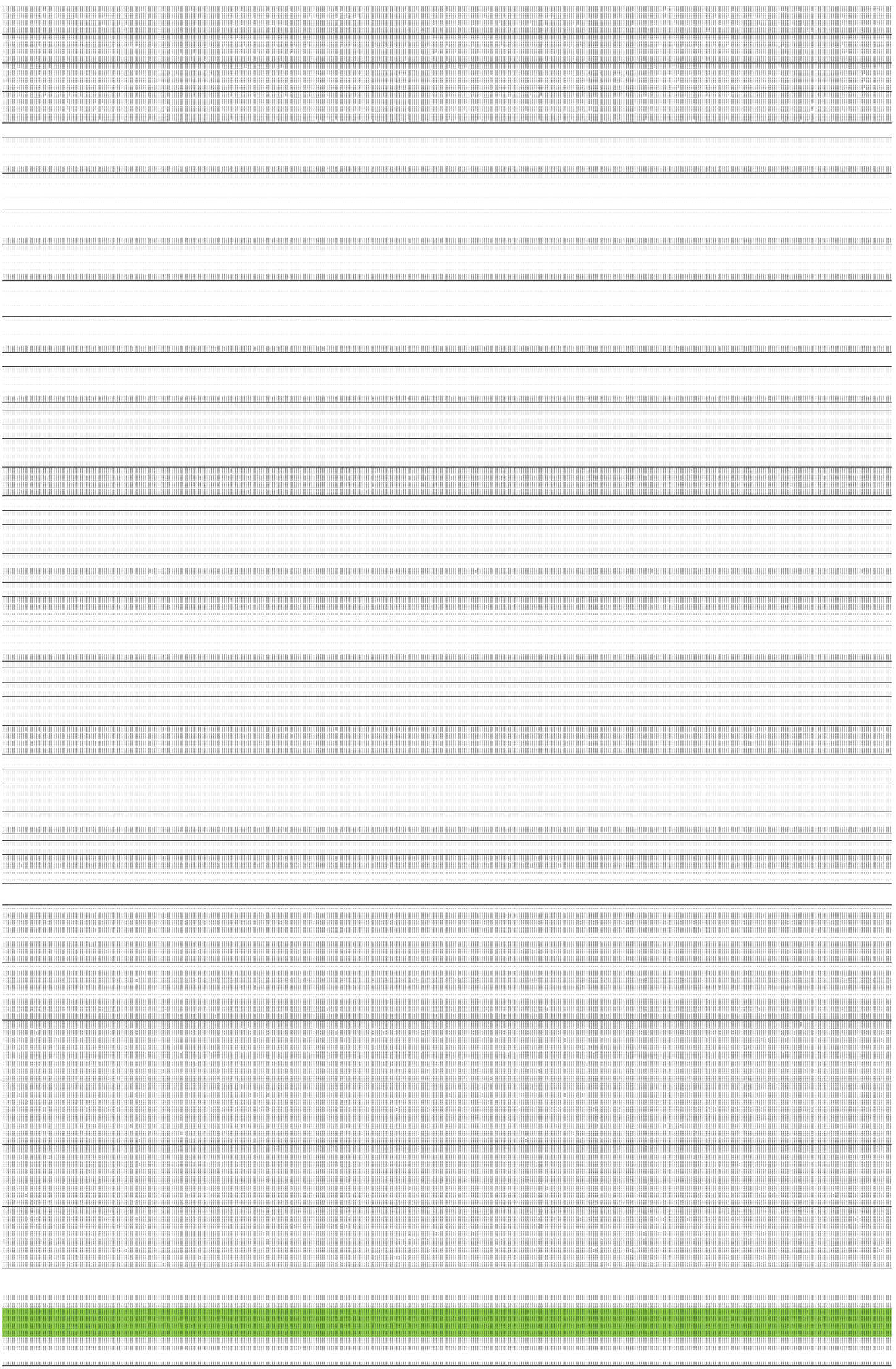


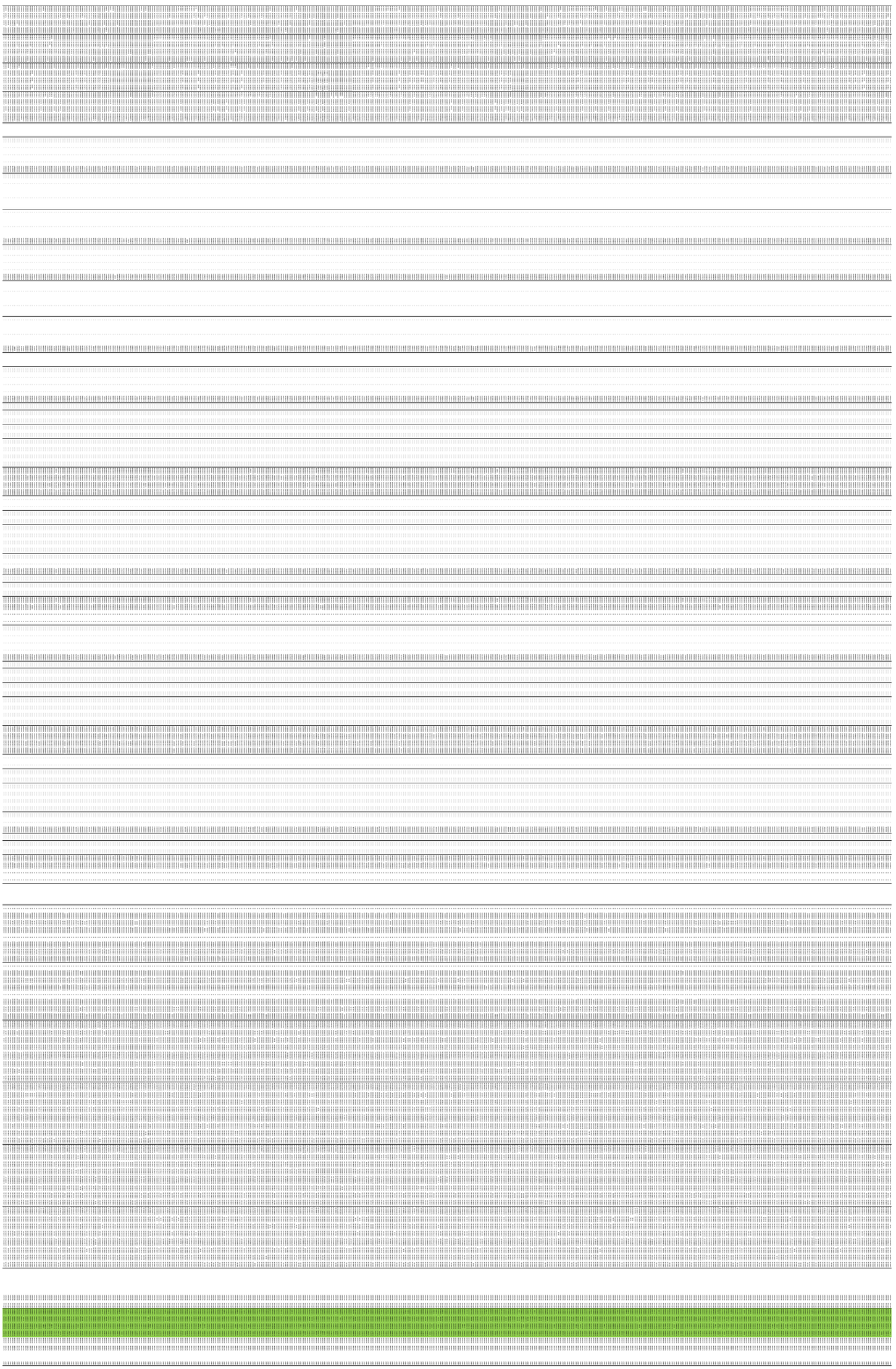


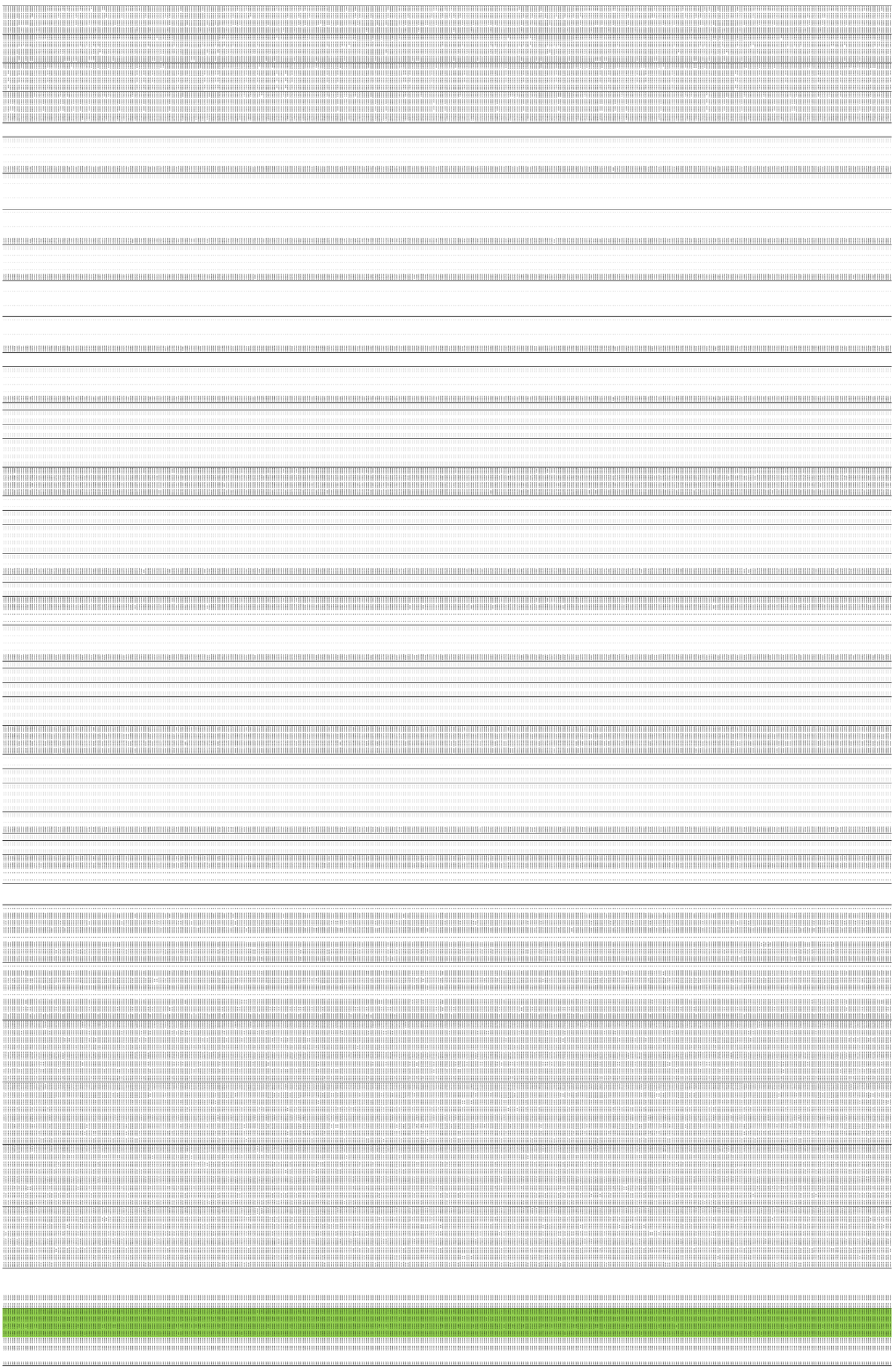


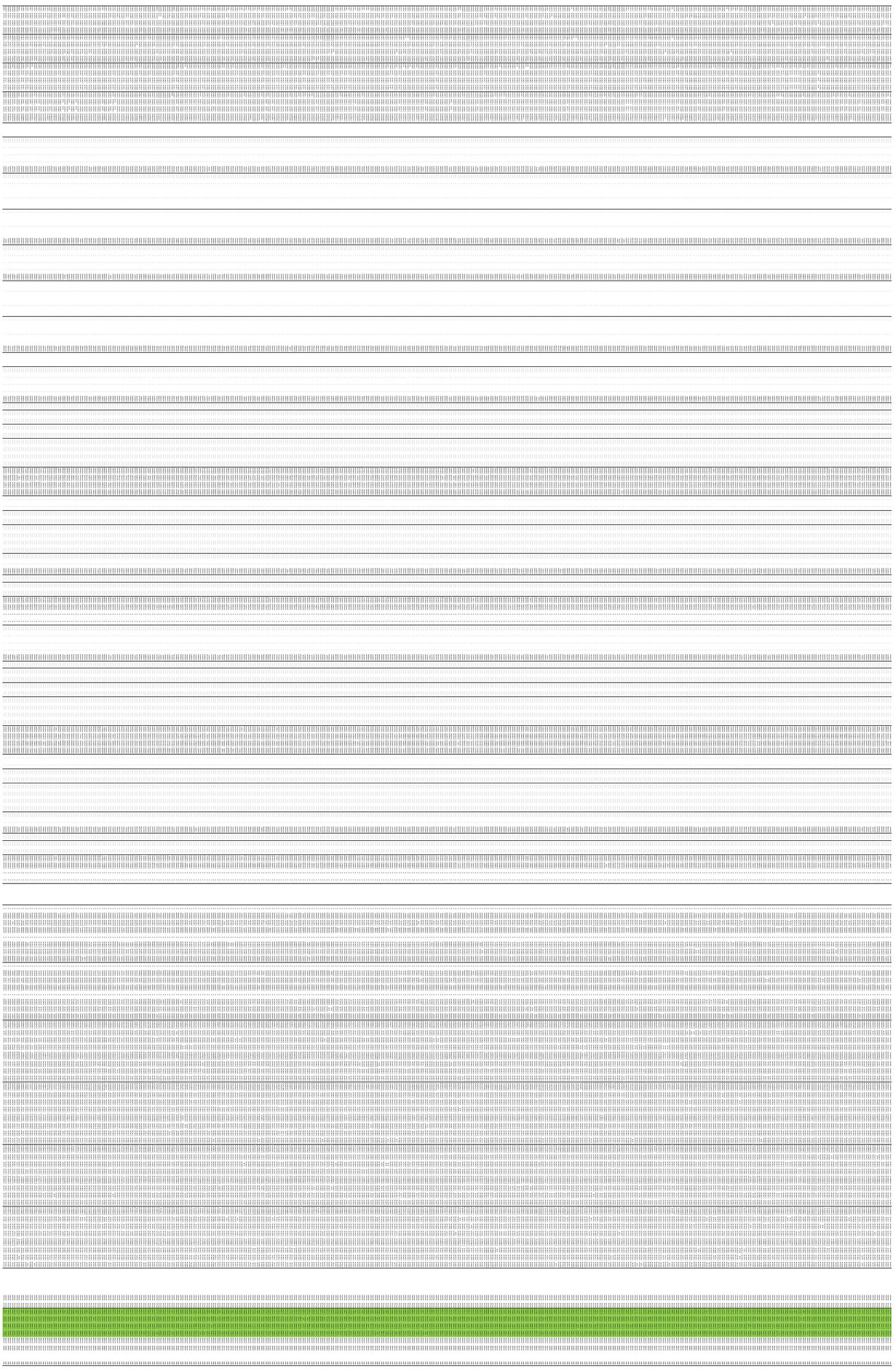


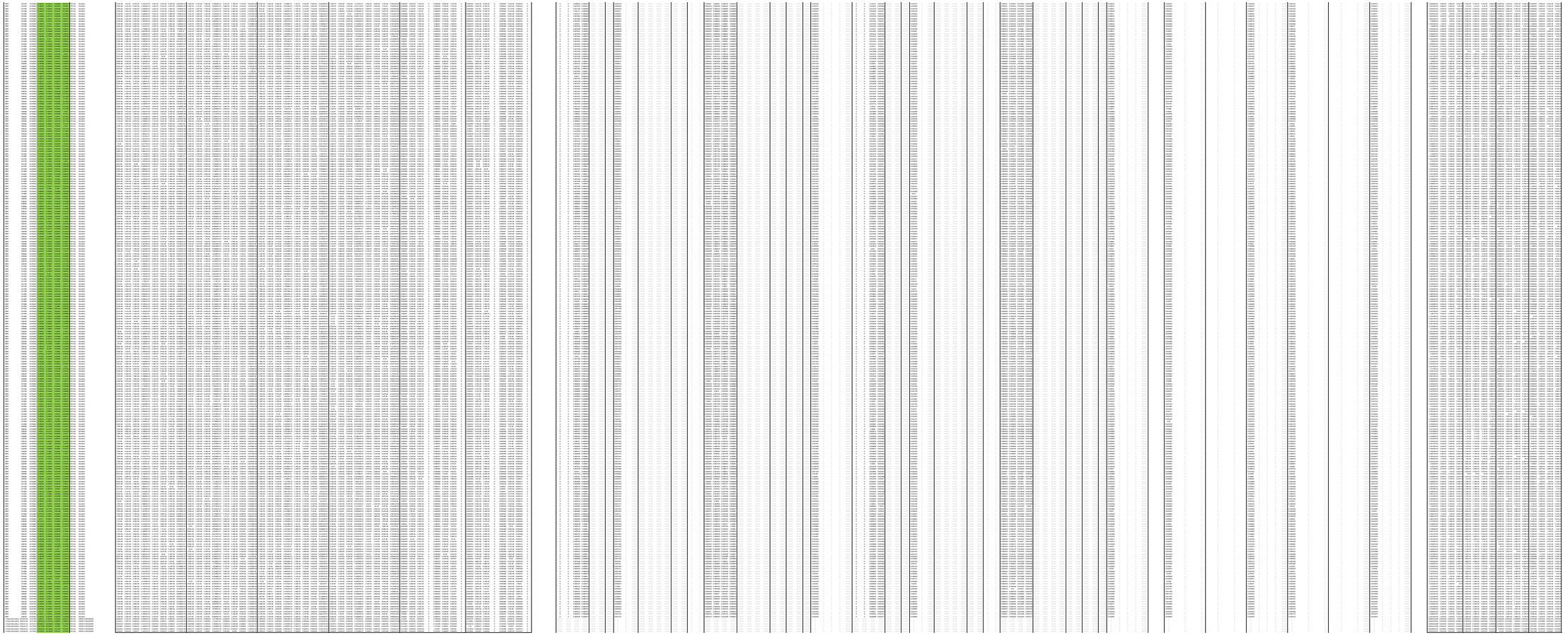












B14 Summary Tables – Uncontrolled

Balboa Reservoir - HRA
Summary + Tables
Last Updated: 6/22/2019

SUMMARY OF RESULTS

Developer Option

Scenario / Receptor Type	Lifetime Excess Cancer Risk (chances per million) [a]			Annual Average $PM_{2.5}$ Concentrations ($\mu g/m^3$) [a]			Exceeds?	
	UTM – X	UTM – Y	Project Contribution	UTM – X	UTM – Y	Project Contribution	Cancer	PM2.5
Not in APEZ								
Construction								
Resident (Off-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	**#N/A**
Resident (On-site)	548060	4175380	108.9	548060	4175380	1.33	**TRUE**	**TRUE**
Daycare (Off-site)	547920	4175420	87.5	547920	4175420	0.38	**TRUE**	**TRUE**
Daycare (On-site)	548020	4175400	238.4	548020	4175400	1.33	**TRUE**	**TRUE**
School (Off-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	**#N/A**
Construction + Operations								
Resident (Off-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	**#N/A**
Resident (On-site)	548060	4175380	110.9	548060	4175380	1.33	**TRUE**	**TRUE**
Daycare (Off-site)	547920	4175420	87.7	547920	4175420	0.38	**TRUE**	**TRUE**
Daycare (On-site)	548020	4175400	239.5	548020	4175400	1.33	**TRUE**	**TRUE**
School (Off-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	**#N/A**
Operations								
Resident (Off-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	**#N/A**
Resident (On-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	**#N/A**
Daycare (Off-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	**#N/A**
Daycare (On-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	**#N/A**
School (Off-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	**#N/A**
In APEZ								
Construction								
Resident (Off-site)	548700	4175440	4.2	548700	4175440	0.02	**FALSE**	**FALSE**
Resident (On-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	**TRUE**	**TRUE**
Daycare (Off-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	**TRUE**	**TRUE**
Daycare (On-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	**TRUE**	**TRUE**
School (Off-site)	548520	4175180	1.1	548520	4175180	0.02	**FALSE**	**FALSE**
Construction + Operations								
Resident (Off-site)	548700	4175440	4.4	548700	4175440	0.02	**FALSE**	**FALSE**
Resident (On-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	**TRUE**	**TRUE**
Daycare (Off-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	**TRUE**	**TRUE**
Daycare (On-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	**TRUE**	**TRUE**
School (Off-site)	548520	4175180	1.3	548520	4175180	0.02	**FALSE**	**FALSE**
Operations								
Resident (Off-site)	548580	4175080	2.4	548580	4175080	<0.01	**FALSE**	**TRUE**
Resident (On-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	**TRUE**	**TRUE**
Daycare (Off-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	**TRUE**	**TRUE**
Daycare (On-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	**TRUE**	**TRUE**
School (Off-site)	548520	4175180	0.2	548520	4175180	<0.01	**FALSE**	**TRUE**

Additional Housing Option

Scenario / Receptor Type	Lifetime Excess Cancer Risk (chances per million) [a]			Annual Average $PM_{2.5}$ Concentrations ($\mu g/m^3$) [a]			Exceeds?	
	UTM – X	UTM – Y	Project Contribution	UTM – X	UTM – Y	Project Contribution	Cancer	PM2.5
Not in APEZ								
Construction								
Resident (Off-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	**#N/A**
Resident (On-site)	548060	4175380	122.6	548060	4175380	1.49	**TRUE**	**TRUE**
Daycare (Off-site)	547920	4175420	101.7	547920	4175420	0.42	**TRUE**	**TRUE**
Daycare (On-site)	548020	4175400	267.7	548020	4175400	1.49	**TRUE**	**TRUE**
School (Off-site)	#N/A	#N/A	#N/A	0	0	<0.01	**#N/A**	**TRUE**
Construction + Operations								
Resident (Off-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	**#N/A**
Resident (On-site)	548060	4175380	125.6	548060	4175380	1.49	**TRUE**	**TRUE**
Daycare (Off-site)	547920	4175420	102.0	547920	4175420	0.43	**TRUE**	**TRUE**
Daycare (On-site)	548020	4175400	269.6	548020	4175400	1.50	**TRUE**	**TRUE**
School (Off-site)	#N/A	#N/A	#N/A	0	0	<0.01	**#N/A**	**TRUE**
Operations								
Resident (Off-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	**#N/A**
Resident (On-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	**#N/A**
Daycare (Off-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	**#N/A**
Daycare (On-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	**#N/A**
School (Off-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	**#N/A**
In APEZ								
Construction								
Resident (Off-site)	548700	4175440	4.9	548700	4175440	0.03	**FALSE**	**FALSE**
Resident (On-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	**TRUE**	**TRUE**
Daycare (Off-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	**TRUE**	**TRUE**
Daycare (On-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	**TRUE**	**TRUE**
School (Off-site)	548520	4175180	1.3	548520	4175180	0.02	**FALSE**	**FALSE**
Construction + Operations								
Resident (Off-site)	548700	4175440	5.4	548700	4175440	0.03	**FALSE**	**FALSE**
Resident (On-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	**TRUE**	**TRUE**
Daycare (Off-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	**TRUE**	**TRUE**
Daycare (On-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	**TRUE**	**TRUE**
School (Off-site)	548520	4175180	1.5	548520	4175180	0.02	**FALSE**	**FALSE**
Operations								
Resident (Off-site)	548580	4175080	3.4	548580	4175080	<0.01	**FALSE**	**TRUE**
Resident (On-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	**TRUE**	**TRUE**
Daycare (Off-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	**TRUE**	**TRUE**
Daycare (On-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	**TRUE**	**TRUE**
School (Off-site)	548520	4175180	0.3	548520	4175180	<0.01	**FALSE**	**TRUE**

TAC Emissions for Project

Developer Option

Construction Phase / Year	DPM Emissions (pounds)			PM2.5 Exhaust Emissions (pounds)		
	Off-Road Equipment	Haul Trucks (travel)	Haul Trucks (Idle)	Off-Road Equipment	Haul Trucks (travel)	Haul Trucks (Idle)
Phase 0						
2021	262.7	0.0	0.00	257.3	0.04	0.00
2022	25.7	0.0	0.00	25.2	0.00	0.00
Phase 1						
2022	356.5	8.6	0.00	351.08	8.24	0.00
2023	82.5	6.2	0.00	81.08	5.96	0.00
2024	75.0	4.3	0.00	73.54	4.10	0.00
Phase 2						
2024	149.6	6.3	0.05	148.20	6.02	0.05
2025	109.3	5.2	0.00	108.66	5.00	0.00
2026	47.8	3.7	0.00	47.82	3.50	0.00
2027	4.3	0.2	0.00	4.32	0.22	0.00
Total	**825.0**	**34.5**	**0.05**	**814.7**	**33.0**	**0.05**

Operational Phase / Source	Total Annual Emissions (pounds)		
	DPM	TOG	PM2.5 Exhaust
Phase 1			
Mobile	27.0	845.1	24.8
Delivery Vehicles (travel)	5.1	13.0	4.8
Delivery Vehicles (idle)	0.0	14.3	1.2
Emergency Generators	4.7	0.0	4.6
Total	**36.8**	**872.4**	**35.4**
Full Buildout			
Mobile	42.2	1,236.2	38.8
Delivery Vehicles (travel)	7.9	19.9	7.6
Delivery Vehicles (idle)	1.1	14.3	1.1
Emergency Generators	9.4	0.0	9.2
Total	**60.7**	**1,270.4**	**56.7**

Additional Housing Option

Construction Phase / Year	DPM Emissions (pounds)			PM2.5 Exhaust Emissions (tons)		
	Off-Road Equipment	Haul Trucks (travel)	Haul Trucks (Idle)	Off-Road Equipment	Haul Trucks (travel)	Haul Trucks (Idle)
Phase 0						
2021	262.7	0.0	0.00	257.3	0.04	0.00
2022	25.7	0.0	0.00	25.2	0.00	0.00
Phase 1						
2022	480.4	11.7	0.00	474.8	11.20	0.00
2023	65.1	8.9	0.00	64.3	8.50	0.00
2024	82.0	3.6	0.00	81.1	3.44	0.00
Phase 2						
2024	167.8	2.9	0.05	166.2	2.82	0.05
2025	121.2	6.4	0.00	120.2	6.16	0.00
2026	56.0	4.9	0.00	56.0	4.70	0.00
2027	5.4	0.3	0.00	5.4	0.32	0.00
Total	**977.8**	**38.8**	**0.05**	**967.9**	**37.1**	**0.05**

Operational Phase / Source	Total Annual Emissions (pounds)		
	DPM	TOG	PM2.5 Exhaust
Phase 1			
Mobile	35.6	1,113.4	32.8
Delivery Vehicles (travel)	5.8	15.0	5.6
Delivery Vehicles (idle)	0.0	16.5	1.4
Emergency Generators	18.9	0.0	18.4
Total	**60.3**	**1,145.0**	**58.2**
Full Buildout			
Mobile	59.0	1,732.5	54.4
Delivery Vehicles (travel)	9.4	23.7	9.0
Delivery Vehicles (idle)	2.2	26.8	2.1
Emergency Generators	28.3	0.0	27.7
Total	**98.9**	**1,783.0**	**93.1**

% increase			
0%	0%	#DIV/0!	0%
0%	#DIV/0!	#DIV/0!	0%
35%	36%	#DIV/0!	35%
-21%	43%	#DIV/0!	-21%
9%	-16%	#DIV/0!	10%
12%	-53%	0%	12%
11%	23%	#DIV/0!	11%
17%	34%	#DIV/0!	17%
24%	42%	#DIV/0!	24%
19%	**12%**	**0%**	**19%**

% increase		
32%	32%	32%
15%	15%	15%
15%	15%	15%
300%	#DIV/0!	300%
64%	31%	64%
40%	40%	40%
18%	19%	18%
89%	88%	89%
200%	#DIV/0!	200%
63%	**40%**	**64%**

3277	4502
2153	2993

Existing Conditions (2014)

	UTM		Value
	X	Y	
Lifetime Excess Cancer Risk (per million)	548680	4175020	138.5
Maximum Annual Average PM2.5 Exhaust Concentrations (µg/m3)	548880	4175660	11.32

PROJECT

CANCER

Developer Option

Scenario	Receptor Type	UTM X	UTM Y	Lifetime Excess Cancer Risk (per million)	Cancer Project	*Background*	*Total*
Scenario 1: Construction - Off-Site Receptors (Phase 1 + 2)	Residential	547920	4175540	67.1	67.07	*15.75*	*82.82*
	Daycare	547920	4175420	87.5	87.55	*21.86*	*109.40*
	School	548120	4175720	12.9	12.86	*17.49*	*30.35*
Scenario 2: Construction - On-Site Receptors (Phase 2)	Residential	548060	4175380	108.9	108.95	*23.62*	*132.57*
	Daycare	548020	4175400	238.4	238.35	*21.79*	*260.14*
Scenario 3: Construction + Operations - Off-Site Receptors (Phase 1 + 2)	Residential	547920	4175540	67.5	67.52	*15.75*	*83.26*
	Daycare	547920	4175420	87.7	87.72	*21.86*	*109.57*
	School	548120	4175720	13.1	13.10	*17.49*	*30.58*
Scenario 4: Construction + Operations - On-Site Receptors (Phase 2)	Residential	548060	4175380	110.9	110.94	*23.62*	*134.56*
	Daycare	548020	4175400	239.5	239.50	*21.79*	*261.29*
Scenario 5: Operations - All Receptors (Phase 1 + 2)	Residential - Offsite	548080	4175280	5.5	5.52	*61.67*	*67.19*
	Residential - Onsite	548020	4175480	14.8	14.82	*18.15*	*32.98*
	Daycare - Offsite	548140	4175300	1.2	1.21	*41.27*	*42.48*
	Daycare - Onsite	548000	4175440	7.0	6.95	*19.40*	*26.35*
	School - Offsite	548220	4175720	0.6	0.60	*35.08*	*35.68*

Additional Housing Option

Scenario	Receptor Type	UTM X	UTM Y	Lifetime Excess Cancer Risk (per million)		Cancer Project	*Background*	*Total*	% increase
Scenario 1: Construction - Off-Site Receptors (Phase 1 + 2)	Residential	547920	4175540	80.5	SAME	80.54	*15.75*	*96.29*	20%
	Daycare	547920	4175420	101.7	SAME	101.70	*21.86*	*123.56*	16%
	School	548120	4175720	14.4	SAME	14.39	*17.49*	*31.87*	12%
Scenario 2: Construction - On-Site Receptors (Phase 2)	Residential	548060	4175380	122.6	SAME	122.64	*23.62*	*146.26*	13%
	Daycare	548020	4175400	267.7	SAME	267.68	*21.79*	*289.47*	12%
Scenario 3: Construction + Operations - Off-Site Receptors (Phase 1 + 2)	Residential	547920	4175540	81.2	SAME	81.25	*15.75*	*97.00*	20%
	Daycare	547920	4175420	102.0	SAME	101.95	*21.86*	*123.81*	16%
	School	548120	4175720	14.8	SAME	14.79	*17.49*	*32.28*	13%
Scenario 4: Construction + Operations - On-Site Receptors (Phase 2)	Residential	548060	4175380	125.6	SAME	125.64	*23.62*	*149.26*	13%
	Daycare	548020	4175400	269.6	SAME	269.56	*21.79*	*291.35*	13%
Scenario 5: Operations - All Receptors (Phase 1 + 2)	Residential - Offsite	548080	4175280	7.8	SAME	7.82	*61.67*	*69.49*	42%
	Residential - Onsite	548020	4175480	25.1	SAME	25.09	*18.15*	*43.24*	69%
	Daycare - Offsite	548140	4175300	1.8	SAME	1.77	*41.27*	*43.04*	46%
	Daycare - Onsite	548000	4175440	11.8	SAME	11.76	*19.40*	*31.16*	69%
	School - Offsite	548220	4175720	1.0	SAME	0.98	*35.08*	*36.06*	65%

PM2.5

Developer Option

Scenario	Receptor Type	UTM X	UTM Y	Maximum Annual Average PM2.5 Exhaust	PM2.5	*Background*	*Total*
Scenario 1: Construction - Off-Site Receptors (Phase 1 + 2)	Residential	547980	4175360	0.64	0.638	*8.57*	*9.21*
	Daycare	547920	4175420	0.38	0.377	*8.49*	*8.87*
	School	548120	4175720	0.25	0.252	*8.34*	*8.59*
Scenario 2: Construction - On-Site Receptors (Phase 2)	Residential	548060	4175380	1.33	1.326	*8.48*	*9.81*
	Daycare	548020	4175400	1.33	1.329	*8.46*	*9.79*
Scenario 3: Construction + Operations - Off-Site Receptors (Phase 1 + 2)	Residential	547980	4175360	0.64	0.640	*8.57*	*9.21*
	Daycare	547920	4175420	0.38	0.379	*8.49*	*8.87*
	School	548120	4175720	0.25	0.253	*8.34*	*8.60*
Scenario 4: Construction + Operations - On-Site Receptors (Phase 2)	Residential	548060	4175400	1.33	1.329	*8.46*	*9.78*
	Daycare	548020	4175400	1.33	1.331	*8.46*	*9.79*
Scenario 5: Operations - All Receptors (Phase 1 + 2)	Residential - Offsite	548080	4175280	0.01	0.011	*9.19*	*9.21*
	Residential - Onsite	548020	4175480	0.04	0.036	*8.39*	*8.43*
	Daycare - Offsite	548140	4175300	<0.01	0.005	*8.75*	*8.76*
	Daycare - Onsite	548000	4175440	0.03	0.034	*8.42*	*8.45*
	School - Offsite	548220	4175720	<0.01	0.005	*8.52*	*8.52*

Additional Housing Option

Scenario	Receptor Type	UTM X	UTM Y	Maximum Annual Average PM2.5 Exhaust		PM2.5	*Background*	*Total*	% increase
Scenario 1: Construction - Off-Site Receptors (Phase 1 + 2)	Residential	547980	4175360	0.72	SAME	0.715	*8.57*	*9.29*	12%
	Daycare	547920	4175420	0.42	SAME	0.422	*8.49*	*8.91*	12%
	School	548120	4175720	0.28	SAME	0.282	*8.34*	*8.62*	12%
Scenario 2: Construction - On-Site Receptors (Phase 2)	Residential	548060	4175380	1.49	SAME	1.487	*8.48*	*9.97*	12%
	Daycare	548020	4175400	1.49	SAME	1.489	*8.46*	*9.95*	12%
Scenario 3: Construction + Operations - Off-Site Receptors (Phase 1 + 2)	Residential	547980	4175360	0.72	SAME	0.717	*8.57*	*9.29*	12%
	Daycare	547920	4175420	0.42	SAME	0.424	*8.49*	*8.91*	12%
	School	548120	4175720	0.28	SAME	0.284	*8.34*	*8.63*	12%
Scenario 4: Construction + Operations - On-Site Receptors (Phase 2)	Residential	548060	4175400	1.49	SAME	1.489	*8.46*	*9.95*	12%
	Daycare	548020	4175400	1.49	SAME	1.492	*8.46*	*9.95*	12%
Scenario 5: Operations - All Receptors (Phase 1 + 2)	Residential - Offsite	548080	4175280	0.01	SAME	0.015	*9.19*	*9.21*	38%
	Residential - Onsite	548020	4175480	0.05	SAME	0.052	*8.39*	*8.44*	44%
	Daycare - Offsite	548140	4175300	<0.01	SAME	0.007	*8.75*	*8.76*	41%
	Daycare - Onsite	548000	4175440	0.05	SAME	0.048	*8.42*	*8.47*	43%
	School - Offsite	548220	4175720	<0.01	SAME	0.008	*8.52*	*8.52*	58%

Not in APEZ under Existing, in APEZ with Project

CANCER

Developer Option

Scenario	Receptor Type	UTM X	UTM Y	Lifetime Excess Cancer Risk (per million) Background	Project	Total	Exceeds?	*Lookups: Scenario*	*Receptor*	*On/Off*	Cancer CRRP	Cancer BAAQMD	Cancer Project	Cancer Total
Scenario 1: Construction - Off-Site Receptors (Phase 1 + 2)	Residential	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	*1*	*Resident*	*Off-Site*	#N/A	#N/A	#N/A	0.00
	Daycare	547920	4175420	21.9	87.5	109.4	**TRUE**	*1*	*Daycare*	*Off-Site*	21.86	0.03	87.55	109.40
	School	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	*1*	*School*	*Off-Site*	#N/A	#N/A	#N/A	0.00
Scenario 2: Construction - On-Site Receptors (Phase 2)	Residential	548060	4175380	23.7	108.9	132.6	**TRUE**	*2*	*Resident*	*On-Site*	23.62	0.07	108.95	132.57
	Daycare	548020	4175400	21.8	238.4	260.2	**TRUE**	*2*	*Daycare*	*On-Site*	21.79	0.06	238.35	260.14
Scenario 3: Construction + Operations - Off-Site Receptors (Phase 1 + 2)	Residential	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	*3*	*Resident*	*Off-Site*	#N/A	#N/A	#N/A	0.00
	Daycare	547920	4175420	21.9	87.7	109.6	**TRUE**	*3*	*Daycare*	*Off-Site*	21.86	0.03	87.72	109.57
	School	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	*3*	*School*	*Off-Site*	#N/A	#N/A	#N/A	0.00
Scenario 4: Construction + Operations - On-Site Receptors (Phase 2)	Residential	548060	4175380	23.7	110.9	134.6	**TRUE**	*4*	*Resident*	*On-Site*	23.62	0.07	110.94	134.56
	Daycare	548020	4175400	21.8	239.5	261.3	**TRUE**	*4*	*Daycare*	*On-Site*	21.79	0.06	239.50	261.29
Scenario 5: Operations - All Receptors (Phase 1 + 2)	Residential - Offsite	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	*5*	*Resident*	*Off-Site*	#N/A	#N/A	#N/A	0.00
	Residential - Onsite	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	*5*	*Resident*	*On-Site*	#N/A	#N/A	#N/A	0.00
	Daycare - Offsite	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	*5*	*Daycare*	*Off-Site*	#N/A	#N/A	#N/A	0.00
	Daycare - Onsite	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	*5*	*Daycare*	*On-Site*	#N/A	#N/A	#N/A	0.00
	School - Offsite	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	*5*	*School*	*Off-Site*	#N/A	#N/A	#N/A	0.00

Additional Housing Option

Scenario	Receptor Type	UTM X	UTM Y	Lifetime Excess Cancer Risk (per million) Background	Project	Total	Exceeds?	Cancer CRRP	Cancer BAAQMD	Cancer Project	Cancer Total
Scenario 1: Construction - Off-Site Receptors (Phase 1 + 2)	Residential	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	#N/A	#N/A	#N/A	0.00
	Daycare	547920	4175420	21.9	101.7	123.6	**TRUE**	21.86	0.03	101.70	123.56
	School	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	#N/A	#N/A	#N/A	0.00
Scenario 2: Construction - On-Site Receptors (Phase 2)	Residential	548060	4175380	23.7	122.6	146.3	**TRUE**	23.62	0.07	122.64	146.26
	Daycare	548020	4175400	21.8	267.7	289.5	**TRUE**	21.79	0.06	267.68	289.47
Scenario 3: Construction + Operations - Off-Site Receptors (Phase 1 + 2)	Residential	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	#N/A	#N/A	#N/A	0.00
	Daycare	547920	4175420	21.9	102.0	123.8	**TRUE**	21.86	0.03	101.95	123.81
	School	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	#N/A	#N/A	#N/A	0.00
Scenario 4: Construction + Operations - On-Site Receptors (Phase 2)	Residential	548060	4175380	23.7	125.6	149.3	**TRUE**	23.62	0.07	125.64	149.26
	Daycare	548020	4175400	21.8	269.6	291.4	**TRUE**	21.79	0.06	269.56	291.35
Scenario 5: Operations - All Receptors (Phase 1 + 2)	Residential - Offsite	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	#N/A	#N/A	#N/A	0.00
	Residential - Onsite	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	#N/A	#N/A	#N/A	0.00
	Daycare - Offsite	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	#N/A	#N/A	#N/A	0.00
	Daycare - Onsite	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	#N/A	#N/A	#N/A	0.00
	School - Offsite	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	#N/A	#N/A	#N/A	0.00

Note: for total cancer values that don't exceed the APEZ threshold of 100, these receptors are in the APEZ for PM2.5

-95.8% <-reduction in max risk to be LTS

Not In APEZ *Not In APEZ* *Not In APEZ*

Note: for total cancer values that don't exceed the APEZ threshold of 100, these receptors are in the APEZ for PM2.5

Not In APEZ *Not In APEZ* *Not In APEZ*

PM2.5

Developer Option

Scenario	Receptor Type	UTM X	UTM Y	Max Annual Average PM2.5 Exhaust Concentrations (µg/m3) Background	Project	Total	Exceeds?	*Lookups: Scenario*	*Receptor*	*On/Off*	PM2.5 CRRP	PM2.5 BAAQMD	PM2.5 Project	PM2.5 Total
Scenario 1: Construction - Off-Site Receptors (Phase 1 + 2)	Residential	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	*1*	*Resident*	*Off-Site*	#N/A	#N/A	#N/A	0.00
	Daycare	547920	4175420	8.49	0.38	8.87	**TRUE**	*1*	*Daycare*	*Off-Site*	8.49	0.00004	0.38	8.87
	School	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	*1*	*School*	*Off-Site*	#N/A	#N/A	#N/A	0.00
Scenario 2: Construction - On-Site Receptors (Phase 2)	Residential	548060	4175380	8.48	1.33	9.81	**TRUE**	*2*	*Resident*	*On-Site*	8.48	0.00009	1.33	9.81
	Daycare	548020	4175400	8.46	1.33	9.79	**TRUE**	*2*	*Daycare*	*On-Site*	8.46	0.00007	1.33	9.79
Scenario 3: Construction + Operations - Off-Site Receptors (Phase 1 + 2)	Residential	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	*3*	*Resident*	*Off-Site*	#N/A	#N/A	#N/A	0.00
	Daycare	547920	4175420	8.49	0.38	8.87	**TRUE**	*3*	*Daycare*	*Off-Site*	8.49	0.00004	0.38	8.87
	School	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	*3*	*School*	*Off-Site*	#N/A	#N/A	#N/A	0.00
Scenario 4: Construction + Operations - On-Site Receptors (Phase 2)	Residential	548060	4175380	8.48	1.33	9.81	**TRUE**	*4*	*Resident*	*On-Site*	8.48	0.00009	1.33	9.81
	Daycare	548020	4175400	8.46	1.33	9.79	**TRUE**	*4*	*Daycare*	*On-Site*	8.46	0.00007	1.33	9.79
Scenario 5: Operations - All Receptors (Phase 1 + 2)	Residential - Offsite	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	*5*	*Resident*	*Off-Site*	#N/A	#N/A	#N/A	0.00
	Residential - Onsite	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	*5*	*Resident*	*On-Site*	#N/A	#N/A	#N/A	0.00
	Daycare - Offsite	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	*5*	*Daycare*	*Off-Site*	#N/A	#N/A	#N/A	0.00
	Daycare - Onsite	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	*5*	*Daycare*	*On-Site*	#N/A	#N/A	#N/A	0.00
	School - Offsite	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	*5*	*School*	*Off-Site*	#N/A	#N/A	#N/A	0.00

Note: for total PM2.5 values that don't exceed the APEZ threshold of 10 ug/m3, these receptors are in the APEZ for cancer

Not In APEZ *Not In APEZ* *Not In APEZ*

add BAAQMD

Additional Housing Option

Scenario	Receptor Type	UTM X	UTM Y	Max Annual Average PM2.5 Exhaust Concentrations (µg/m3) Background	Project	Total	Exceeds?	PM2.5 CRRP	PM2.5 BAAQMD	PM2.5 Project	PM2.5 Total
Scenario 1: Construction - Off-Site Receptors (Phase 1 + 2)	Residential	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	#N/A	#N/A	#N/A	0.00
	Daycare	547920	4175420	8.49	0.42	8.91	**TRUE**	8.49	0.00004	0.42	8.91
	School	0	0	#N/A	<0.01	#N/A	**FALSE**	0.00	#N/A	0.00	0.00
Scenario 2: Construction - On-Site Receptors (Phase 2)	Residential	548060	4175380	8.48	1.49	9.97	**TRUE**	8.48	0.00009	1.49	9.97
	Daycare	548020	4175400	8.46	1.49	9.95	**TRUE**	8.46	0.00007	1.49	9.95
Scenario 3: Construction + Operations - Off-Site Receptors (Phase 1 + 2)	Residential	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	#N/A	#N/A	#N/A	0.00
	Daycare	547920	4175420	8.49	0.43	8.92	**TRUE**	8.49	0.00004	0.43	8.92
	School	0	0	#N/A	<0.01	#N/A	**FALSE**	0.00	#N/A	0.00	0.00
Scenario 4: Construction + Operations - On-Site Receptors (Phase 2)	Residential	548060	4175380	8.48	1.49	9.98	**TRUE**	8.48	0.00009	1.49	9.98
	Daycare	548020	4175400	8.46	1.50	9.95	**TRUE**	8.46	0.00007	1.50	9.95
Scenario 5: Operations - All Receptors (Phase 1 + 2)	Residential - Offsite	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	#N/A	#N/A	#N/A	0.00
	Residential - Onsite	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	#N/A	#N/A	#N/A	0.00
	Daycare - Offsite	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	#N/A	#N/A	#N/A	0.00
	Daycare - Onsite	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	#N/A	#N/A	#N/A	0.00
	School - Offsite	#N/A	#N/A	#N/A	#N/A	#N/A	**#N/A**	#N/A	#N/A	#N/A	0.00

Note: for total PM2.5 values that don't exceed the APEZ threshold of 10 ug/m3, these receptors are in the APEZ for cancer

Not In APEZ *Not In APEZ* *Not In APEZ*

IN APEZ

CANCER

Developer Option

Scenario	Receptor Type	UTM X	UTM Y	Lifetime Excess Cancer Risk (per million) Background	Project	Total	Exceeds?	*Lookups: Scenario*	*Receptor*	*On/Off*	Cancer CRRP	Cancer BAAQMD	Cancer Project	Cancer Total
Scenario 1: Construction - Off-Site Receptors (Phase 1 + 2)	Residential	548700	4175440	74.0	4.2	78.2	**FALSE**	*1*	*Resident*	*Off-Site*	73.96	0.03	4.16	78.12
	Daycare	#N/A	#N/A	#N/A	<0.1	#N/A	**FALSE**	*1*	*Daycare*	*Off-Site*	#N/A	#N/A	0.00	#N/A
	School	548520	4175180	36.6	1.1	37.7	**FALSE**	*1*	*School*	*Off-Site*	36.53	0.03	1.12	37.65
Scenario 2: Construction - On-Site Receptors (Phase 2)	Residential	#N/A	#N/A	#N/A	<0.1	#N/A	**FALSE**	*2*	*Resident*	*On-Site*	#N/A	#N/A	0.00	#N/A
	Daycare	#N/A	#N/A	#N/A	<0.1	#N/A	**FALSE**	*2*	*Daycare*	*On-Site*	#N/A	#N/A	0.00	#N/A
Scenario 3: Construction + Operations - Off-Site Receptors (Phase 1 + 2)	Residential	548700	4175440	74.0	4.4	78.4	**FALSE**	*3*	*Resident*	*Off-Site*	73.96	0.03	4.44	78.40
	Daycare	#N/A	#N/A	#N/A	<0.1	#N/A	**FALSE**	*3*	*Daycare*	*Off-Site*	#N/A	#N/A	0.00	#N/A
	School	548520	4175180	36.6	1.3	37.8	**FALSE**	*3*	*School*	*Off-Site*	36.53	0.03	1.27	37.79
Scenario 4: Construction + Operations - On-Site Receptors (Phase 2)	Residential	#N/A	#N/A	#N/A	<0.1	#N/A	**FALSE**	*4*	*Resident*	*On-Site*	#N/A	#N/A	0.00	#N/A
	Daycare	#N/A	#N/A	#N/A	<0.1	#N/A	**FALSE**	*4*	*Daycare*	*On-Site*	#N/A	#N/A	0.00	#N/A
Scenario 5: Operations - All Receptors (Phase 1 + 2)	Residential - Offsite	548580	4175080	56.6	2.4	59.0	**FALSE**	*5*	*Resident*	*Off-Site*	56.60	0.03	2.41	59.01
	Residential - Onsite	#N/A	#N/A	#N/A	<0.1	#N/A	**FALSE**	*5*	*Resident*	*On-Site*	#N/A	#N/A	0.00	#N/A
	Daycare - Offsite	#N/A	#N/A	#N/A	<0.1	#N/A	**FALSE**	*5*	*Daycare*	*Off-Site*	#N/A	#N/A	0.00	#N/A
	Daycare - Onsite	#N/A	#N/A	#N/A	<0.1	#N/A	**FALSE**	*5*	*Daycare*	*On-Site*	#N/A	#N/A	0.00	#N/A
	School - Offsite	548520	4175180	36.6	0.2	36.8	**FALSE**	*5*	*School*	*Off-Site*	36.53	0.03	0.21	36.74

Note: for background cancer values that don't exceed the APEZ threshold of 100, these receptors are in the APEZ for PM2.5

In APEZ *In APEZ* *In APEZ*

Additional Housing Option

Scenario	Receptor Type	UTM X	UTM Y	Lifetime Excess Cancer Risk (per million) Background	Project	Total	Exceeds?	Cancer CRRP	Cancer BAAQMD	Cancer Project	Cancer Total
Scenario 1: Construction - Off-Site Receptors (Phase 1 + 2)	Residential	548700	4175440	74.0	4.9	78.9	**FALSE**	73.96	0.03	4.90	78.86
	Daycare	#N/A	#N/A	#N/A	<0.1	#N/A	**FALSE**	#N/A	#N/A	0.00	#N/A
	School	548520	4175180	36.6	1.3	37.8	**FALSE**	36.53	0.03	1.27	37.79
Scenario 2: Construction - On-Site Receptors (Phase 2)	Residential	#N/A	#N/A	#N/A	<0.1	#N/A	**FALSE**	#N/A	#N/A	0.00	#N/A
	Daycare	#N/A	#N/A	#N/A	<0.1	#N/A	**FALSE**	#N/A	#N/A	0.00	#N/A
Scenario 3: Construction + Operations - Off-Site Receptors (Phase 1 + 2)	Residential	548700	4175440	74.0	5.4	79.4	**FALSE**	73.96	0.03	5.43	79.39
	Daycare	#N/A	#N/A	#N/A	<0.1	#N/A	**FALSE**	#N/A	#N/A	0.00	#N/A
	School	548520	4175180	36.6	1.5	38.0	**FALSE**	36.53	0.03	1.48	38.01
Scenario 4: Construction + Operations - On-Site Receptors (Phase 2)	Residential	#N/A	#N/A	#N/A	<0.1	#N/A	**FALSE**	#N/A	#N/A	0.00	#N/A
	Daycare	#N/A	#N/A	#N/A	<0.1	#N/A	**FALSE**	#N/A	#N/A	0.00	#N/A
Scenario 5: Operations - All Receptors (Phase 1 + 2)	Residential - Offsite	548580	4175080	56.6	3.4	60.0	**FALSE**	56.60	0.03	3.41	60.01
	Residential - Onsite	#N/A	#N/A	#N/A	<0.1	#N/A	**FALSE**	#N/A	#N/A	0.00	#N/A
	Daycare - Offsite	#N/A	#N/A	#N/A	<0.1	#N/A	**FALSE**	#N/A	#N/A	0.00	#N/A
	Daycare - Onsite	#N/A	#N/A	#N/A	<0.1	#N/A	**FALSE**	#N/A	#N/A	0.00	#N/A
	School - Offsite	548520	4175180	36.6	0.3	36.9	**FALSE**	36.53	0.03	0.32	36.85

Note: for background cancer values that don't exceed the APEZ threshold of 100, these receptors are in the APEZ for PM2.5

In APEZ *In APEZ* *In APEZ*

PM2.5

Developer Option

Scenario	Receptor Type	UTM X	UTM Y	Max Annual Average PM2.5 Exhaust Concentrations (µg/m3) Background	Project	Total	Exceeds?	*Lookups: Scenario*	*Receptor*	*On/Off*	PM2.5 CRRP	PM2.5 BAAQMD	PM2.5 Project	PM2.5 Total
Scenario 1: Construction - Off-Site Receptors (Phase 1 + 2)	Residential	548700	4175440	9.54	0.02	9.56	**FALSE**	*1*	*Resident*	*Off-Site*	9.54	0.00004	0.02	9.56
	Daycare	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	*1*	*Daycare*	*Off-Site*	#N/A	#N/A	0.00	#N/A
	School	548520	4175180	8.77	0.02	8.79	**FALSE**	*1*	*School*	*Off-Site*	8.77	0.00004	0.02	8.79
Scenario 2: Construction - On-Site Receptors (Phase 2)	Residential	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	*2*	*Resident*	*On-Site*	#N/A	#N/A	0.00	#N/A
	Daycare	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	*2*	*Daycare*	*On-Site*	#N/A	#N/A	0.00	#N/A
Scenario 3: Construction + Operations - Off-Site Receptors (Phase 1 + 2)	Residential	548700	4175440	9.54	0.02	9.56	**FALSE**	*3*	*Resident*	*Off-Site*	9.54	0.00004	0.02	9.56
	Daycare	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	*3*	*Daycare*	*Off-Site*	#N/A	#N/A	0.00	#N/A
	School	548520	4175180	8.77	0.02	8.79	**FALSE**	*3*	*School*	*Off-Site*	8.77	0.00004	0.02	8.79
Scenario 4: Construction + Operations - On-Site Receptors (Phase 2)	Residential	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	*4*	*Resident*	*On-Site*	#N/A	#N/A	0.00	#N/A
	Daycare	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	*4*	*Daycare*	*On-Site*	#N/A	#N/A	0.00	#N/A
Scenario 5: Operations - All Receptors (Phase 1 + 2)	Residential - Offsite	548580	4175080	9.21	<0.01	9.21	**FALSE**	*5*	*Resident*	*Off-Site*	9.21	0.00004	0.00	9.21
	Residential - Onsite	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	*5*	*Resident*	*On-Site*	#N/A	#N/A	0.00	#N/A
	Daycare - Offsite	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	*5*	*Daycare*	*Off-Site*	#N/A	#N/A	0.00	#N/A
	Daycare - Onsite	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	*5*	*Daycare*	*On-Site*	#N/A	#N/A	0.00	#N/A
	School - Offsite	548520	4175180	8.77	<0.01	8.78	**FALSE**	*5*	*School*	*Off-Site*	8.77	0.00004	0.00	8.77

Note: for background PM2.5 values that don't exceed the APEZ threshold of 10 ug/m3, these receptors are in the APEZ for cancer

In APEZ *In APEZ* *In APEZ*

Additional Housing Option

Scenario	Receptor Type	UTM X	UTM Y	Max Annual Average PM2.5 Exhaust Concentrations (µg/m3) Background	Project	Total	Exceeds?	PM2.5 CRRP	PM2.5 BAAQMD	PM2.5 Project	PM2.5 Total
Scenario 1: Construction - Off-Site Receptors (Phase 1 + 2)	Residential	548700	4175440	9.54	0.03	9.56	**FALSE**	9.54	0.00004	0.03	9.56
	Daycare	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	#N/A	#N/A	0.00	#N/A
	School	548520	4175180	8.77	0.02	8.79	**FALSE**	8.77	0.00004	0.02	8.79
Scenario 2: Construction - On-Site Receptors (Phase 2)	Residential	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	#N/A	#N/A	0.00	#N/A
	Daycare	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	#N/A	#N/A	0.00	#N/A
Scenario 3: Construction + Operations - Off-Site Receptors (Phase 1 + 2)	Residential	548700	4175440	9.54	0.03	9.57	**FALSE**	9.54	0.00004	0.03	9.57
	Daycare	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	#N/A	#N/A	0.00	#N/A
	School	548520	4175180	8.77	0.02	8.80	**FALSE**	8.77	0.00004	0.02	8.80
Scenario 4: Construction + Operations - On-Site Receptors (Phase 2)	Residential	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	#N/A	#N/A	0.00	#N/A
	Daycare	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	#N/A	#N/A	0.00	#N/A
Scenario 5: Operations - All Receptors (Phase 1 + 2)	Residential - Offsite	548580	4175080	9.21	<0.01	9.21	**FALSE**	9.21	0.00004	0.01	9.21
	Residential - Onsite	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	#N/A	#N/A	0.00	#N/A
	Daycare - Offsite	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	#N/A	#N/A	0.00	#N/A
	Daycare - Onsite	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	#N/A	#N/A	0.00	#N/A
	School - Offsite	548520	4175180	8.77	<0.01	8.78	**FALSE**	8.77	0.00004	0.00	8.78

Note: for background PM2.5 values that don't exceed the APEZ threshold of 10 ug/m3, these receptors are in the APEZ for cancer

In APEZ *In APEZ* *In APEZ*

B15 Summary Tables – Controlled

Balboa Reservoir - HRA
Summary + Tables
Last Updated: 6/20/2019

SUMMARY OF RESULTS

Developer Option

Scenario / Receptor Type	Lifetime Excess Cancer Risk (chances per million) [a]			Annual Average $PM_{2.5}$ Concentrations ($\mu g/m^3$) [a]			Exceeds?	
	UTM – X	UTM – Y	Project Contribution	UTM – X	UTM – Y	Project Contribution	Cancer	PM2.5
Not in APEZ								
Construction								
Resident (Off-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Resident (On-site)	548060	4175380	9.5	548060	4175380	0.12	FALSE	FALSE
Daycare (Off-site)	547920	4175420	11.6	547920	4175420	0.03	TRUE	FALSE
Daycare (On-site)	548020	4175400	20.9	548020	4175400	0.12	TRUE	FALSE
School (Off-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Construction + Operations								
Resident (Off-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Resident (On-site)	548060	4175380	11.4	548060	4175380	0.12	TRUE	FALSE
Daycare (Off-site)	547920	4175420	11.8	547920	4175420	0.04	TRUE	FALSE
Daycare (On-site)	548020	4175400	22.0	548020	4175400	0.12	TRUE	FALSE
School (Off-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Operations								
Resident (Off-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Resident (On-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Daycare (Off-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Daycare (On-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
School (Off-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
In APEZ								
Construction								
Resident (Off-site)	548700	4175440	0.5	548700	4175440	<0.01	FALSE	TRUE
Resident (On-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	TRUE	TRUE
Daycare (Off-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	TRUE	TRUE
Daycare (On-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	TRUE	TRUE
School (Off-site)	548520	4175180	0.1	548520	4175180	<0.01	FALSE	TRUE
Construction + Operations								
Resident (Off-site)	548580	4175080	1.4	548580	4175080	<0.01	FALSE	TRUE
Resident (On-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	TRUE	TRUE
Daycare (Off-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	TRUE	TRUE
Daycare (On-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	TRUE	TRUE
School (Off-site)	548520	4175180	0.3	548520	4175180	<0.01	FALSE	TRUE
Operations								
Resident (Off-site)	548580	4175080	2.4	548580	4175080	<0.01	FALSE	TRUE
Resident (On-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	TRUE	TRUE
Daycare (Off-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	TRUE	TRUE
Daycare (On-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01	TRUE	TRUE
School (Off-site)	548520	4175180	0.2	548520	4175180	<0.01	FALSE	TRUE

Additional Housing Option

Scenario / Receptor Type	Lifetime Excess Cancer Risk (chances per million) [a]			Annual Average $PM_{2.5}$ Concentrations ($\mu g/m^3$) [a]		
	UTM – X	UTM – Y	Project Contribution	UTM – X	UTM – Y	Project Contribution
Not in APEZ						
Construction						
Resident (Off-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Resident (On-site)	548060	4175380	10.7	548060	4175380	0.13
Daycare (Off-site)	547920	4175420	12.6	547920	4175420	0.04
Daycare (On-site)	548020	4175400	23.4	548020	4175400	0.13
School (Off-site)	#N/A	#N/A	#N/A	0	0	<0.01
Construction + Operations						
Resident (Off-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Resident (On-site)	548060	4175380	13.4	548060	4175380	0.14
Daycare (Off-site)	547920	4175420	12.8	547920	4175420	0.04
Daycare (On-site)	548020	4175400	25.3	548020	4175400	0.14
School (Off-site)	#N/A	#N/A	#N/A	0	0	<0.01
Operations						
Resident (Off-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Resident (On-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Daycare (Off-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Daycare (On-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
School (Off-site)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
In APEZ						
Construction						
Resident (Off-site)	548700	4175440	0.6	548700	4175440	<0.01
Resident (On-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01
Daycare (Off-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01
Daycare (On-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01
School (Off-site)	548520	4175180	0.1	548520	4175180	<0.01
Construction + Operations						
Resident (Off-site)	548580	4175080	1.8	548580	4175080	<0.01
Resident (On-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01
Daycare (Off-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01
Daycare (On-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01
School (Off-site)	548520	4175180	0.3	548520	4175180	<0.01
Operations						
Resident (Off-site)	548580	4175080	3.4	548580	4175080	<0.01
Resident (On-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01
Daycare (Off-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01
Daycare (On-site)	#N/A	#N/A	<0.1	#N/A	#N/A	<0.01
School (Off-site)	548520	4175180	0.3	548520	4175180	<0.01

TAC Emissions for Project

Developer Option

Construction Phase / Year	DPM Emissions (pounds)			PM2.5 Exhaust Emissions (pounds)		
	Off-Road Equipment	Haul Trucks (travel)	Haul Trucks (Idle)	Off-Road Equipment	Haul Trucks (travel)	Haul Trucks (Idle)
Phase 0						
2021	56.5	0.0	0.00	56.5	0.04	0.00
2022	5.3	0.0	0.00	5.3	0.00	0.00
Phase 1						
2022	27.0	8.6	0.00	26.96	8.24	0.00
2023	6.9	6.2	0.00	6.88	5.96	0.00
2024	6.3	4.3	0.00	6.32	4.10	0.00
Phase 2						
2024	12.9	6.3	0.05	12.86	6.02	0.05
2025	10.2	5.2	0.00	10.16	5.00	0.00
2026	3.7	3.7	0.00	3.68	3.50	0.00
2027	0.3	0.2	0.00	0.34	0.22	0.00
Total	**67.2**	**34.5**	**0.05**	**67.2**	**33.0**	**0.05**

Operational Phase / Source	Total Annual Emissions (pounds)		
	DPM	TOG	PM2.5 Exhaust
Phase 1			
Mobile	27.0	845.1	24.8
Delivery Vehicles (travel)	5.1	13.0	4.8
Delivery Vehicles (idle)	0.0	14.3	1.2

Additional Housing Option

Construction Phase / Year	DPM Emissions (pounds)			PM2.5 Exhaust Emissions (tons)		
	Off-Road Equipment	Haul Trucks (travel)	Haul Trucks (Idle)	Off-Road Equipment	Haul Trucks (travel)	Haul Trucks (Idle)
Phase 0						
2021	56.5	0.0	0.00	56.5	0.04	0.00
2022	5.3	0.0	0.00	5.3	0.00	0.00
Phase 1						
2022	35.6	11.7	0.00	35.6	11.20	0.00
2023	5.1	8.9	0.00	5.1	8.50	0.00
2024	6.2	3.6	0.00	6.2	3.44	0.00
Phase 2						
2024	14.4	2.9	0.05	14.4	2.82	0.05
2025	11.3	6.4	0.00	11.3	6.16	0.00
2026	4.3	4.9	0.00	4.3	4.70	0.00
2027	0.4	0.3	0.00	0.4	0.32	0.00
Total	**77.4**	**38.8**	**0.05**	**77.4**	**37.1**	**0.05**

Operational Phase / Source	Total Annual Emissions (pounds)		
	DPM	TOG	PM2.5 Exhaust
Phase 1			
Mobile	35.6	1,113.4	32.8
Delivery Vehicles (travel)	5.8	15.0	5.6
Delivery Vehicles (idle)	0.0	16.5	1.4

Emergency Generators	0.3	0.0	0.3
Total	**32.4**	**872.4**	**31.1**
Full Buildout			
Mobile	42.2	1,236.2	38.8
Delivery Vehicles (travel)	7.9	19.9	7.6
Delivery Vehicles (idle)	1.1	14.3	1.1
Emergency Generators	0.6	0.0	0.6
Total	**51.9**	**1,270.4**	**48.1**
	3242		
	2127		

Emergency Generators	1.3	0.0	1.2
Total	**42.7**	**1,145.0**	**41.0**
Full Buildout			
Mobile	59.0	1,732.5	54.4
Delivery Vehicles (travel)	9.4	23.7	9.0
Delivery Vehicles (idle)	2.2	26.8	2.1
Emergency Generators	1.9	0.0	1.8
Total	**72.4**	**1,783.0**	**67.3**
	4380		
	2906		

Existing Conditions (2014)

	UTM		Value
	X	Y	
Lifetime Excess Cancer Risk (per million)	548680	4175020	138.5
Maximum Annual Average PM2.5 Exhaust Concentrations (µg/m3)	548880	4175660	11.32

PROJECT

CANCER

Developer Option

Scenario	Receptor Type	UTM X	UTM Y	Lifetime Excess Cancer Risk (per million)	Cancer Project	*Background*	*Total*
Scenario 1: Construction - Off-Site Receptors (Phase 1 + 2)	Residential	547920	4175540	7.7	7.69	*15.75*	*23.43*
	Daycare	547920	4175420	11.6	11.61	*21.86*	*33.47*
	School	548120	4175720	1.5	1.52	*17.49*	*19.01*
Scenario 2: Construction - On-Site Receptors (Phase 2)	Residential	548060	4175380	9.6	9.55	*23.62*	*33.17*
	Daycare	548020	4175400	20.9	20.91	*21.79*	*42.70*
Scenario 3: Construction + Operations - Off-Site Receptors (Phase 1 + 2)	Residential	547920	4175500	8.2	8.21	*16.90*	*25.11*
	Daycare	547920	4175420	11.8	11.78	*21.86*	*33.64*
	School	548120	4175720	1.7	1.72	*17.49*	*19.21*
Scenario 4: Construction + Operations - On-Site Receptors (Phase 2)	Residential	548020	4175480	15.8	15.78	*18.15*	*33.94*
	Daycare	548020	4175400	22.1	22.05	*21.79*	*43.84*
Scenario 5: Operations - All Receptors (Phase 1 + 2)	Residential - Offsite	548080	4175280	5.5	5.50	*61.67*	*67.16*
	Residential - Onsite	548020	4175480	14.8	14.78	*18.15*	*32.94*
	Daycare - Offsite	548140	4175300	1.2	1.19	*41.27*	*42.46*
	Daycare - Onsite	548000	4175440	6.9	6.94	*19.40*	*26.34*
	School - Offsite	548220	4175720	0.5	0.52	*35.08*	*35.60*

Additional Housing Option

Scenario	Receptor Type	UTM X	UTM Y	Lifetime Excess Cancer Risk (per million)		Cancer Project
Scenario 1: Construction - Off-Site Receptors (Phase 1 + 2)	Residential	547920	4175540	8.6	SAME	8.58
	Daycare	547920	4175420	12.6	SAME	12.60
	School	548120	4175720	1.6	SAME	1.64
Scenario 2: Construction - On-Site Receptors (Phase 2)	Residential	548060	4175380	10.8	SAME	10.76
	Daycare	548020	4175400	23.5	SAME	23.50
Scenario 3: Construction + Operations - Off-Site Receptors (Phase 1 + 2)	Residential	547920	4175500	9.5	SAME	9.46
	Daycare	547920	4175420	12.8	SAME	12.84
	School	548120	4175720	1.9	SAME	1.93
Scenario 4: Construction + Operations - On-Site Receptors (Phase 2)	Residential	548020	4175480	22.4	SAME	22.44
	Daycare	548020	4175400	25.3	SAME	25.33
Scenario 5: Operations - All Receptors (Phase 1 + 2)	Residential - Offsite	548080	4175280	7.7	SAME	7.74
	Residential - Onsite	548020	4175480	25.0	SAME	24.97
	Daycare - Offsite	548140	4175300	1.7	SAME	1.70
	Daycare - Onsite	548000	4175440	11.7	SAME	11.71
	School - Offsite	548220	4175720	0.8	SAME	0.75

PM2.5

Developer Option

Scenario	Receptor Type	UTM X	UTM Y	Maximum Annual Average PM2.5 Exhaust	PM2.5	*Background*	*Total*
Scenario 1: Construction - Off-Site Receptors (Phase 1 + 2)	Residential	547980	4175360	0.06	0.056	*8.57*	*8.63*
	Daycare	547920	4175420	0.03	0.033	*8.49*	*8.52*
	School	548120	4175720	0.02	0.022	*8.34*	*8.36*
Scenario 2: Construction - On-Site Receptors (Phase 2)	Residential	548060	4175380	0.12	0.116	*8.48*	*8.60*
	Daycare	548020	4175400	0.12	0.116	*8.46*	*8.57*
Scenario 3: Construction + Operations - Off-Site Receptors (Phase 1 + 2)	Residential	#N/A	#N/A	0.06	0.057	*#N/A*	*#N/A*
	Daycare	547920	4175420	0.03	0.034	*8.49*	*8.52*
	School	548120	4175720	0.02	0.023	*8.34*	*8.37*
Scenario 4: Construction + Operations - On-Site Receptors (Phase 2)	Residential	548060	4175400	0.12	0.119	*8.46*	*8.57*
	Daycare	548020	4175400	0.12	0.118	*8.46*	*8.58*
Scenario 5: Operations - All Receptors (Phase 1 + 2)	Residential - Offsite	548080	4175280	0.01	0.010	*9.19*	*9.21*
	Residential - Onsite	548020	4175480	0.04	0.036	*8.39*	*8.43*
	Daycare - Offsite	548140	4175300	<0.01	0.005	*8.75*	*8.76*
	Daycare - Onsite	548000	4175440	0.03	0.033	*8.42*	*8.45*
	School - Offsite	548220	4175720	<0.01	0.004	*8.52*	*8.52*

Additional Housing Option

Scenario	Receptor Type	UTM X	UTM Y	Maximum Annual Average PM2.5 Exhaust		PM2.5
Scenario 1: Construction - Off-Site Receptors (Phase 1 + 2)	Residential	547980	4175360	0.06	SAME	0.062
	Daycare	547920	4175420	0.04	SAME	0.036
	School	548120	4175720	0.02	SAME	0.024
Scenario 2: Construction - On-Site Receptors (Phase 2)	Residential	548060	4175380	0.13	SAME	0.129
	Daycare	548020	4175400	0.13	SAME	0.129
Scenario 3: Construction + Operations - Off-Site Receptors (Phase 1 + 2)	Residential	#N/A	#N/A	0.06	#N/A	0.064
	Daycare	547920	4175420	0.04	SAME	0.038
	School	#N/A	#N/A	0.03	#N/A	0.026
Scenario 4: Construction + Operations - On-Site Receptors (Phase 2)	Residential	548060	4175400	0.13	SAME	0.133
	Daycare	548020	4175400	0.13	SAME	0.132
Scenario 5: Operations - All Receptors (Phase 1 + 2)	Residential - Offsite	548080	4175280	0.01	SAME	0.014
	Residential - Onsite	548020	4175480	0.05	SAME	0.051
	Daycare - Offsite	548140	4175300	<0.01	SAME	0.006
	Daycare - Onsite	548000	4175440	0.05	SAME	0.048
	School - Offsite	548220	4175720	<0.01	SAME	0.006

Not in APEZ under Existing, in APEZ with Project

CANCER

Developer Option

Scenario	Receptor Type	UTM X	UTM Y	Lifetime Excess Cancer Risk (per million) Background	Project	Total
Scenario 1: Construction - Off-Site Receptors (Phase 1 + 2)	Residential	#N/A	#N/A	#N/A	#N/A	#N/A
	Daycare	547920	4175420	21.9	11.6	33.5
	School	#N/A	#N/A	#N/A	#N/A	#N/A

Exceeds?	*Lookups:* Scenario	*Receptor*	*On/Off*	Cancer CRRP	Cancer BAAQMD	Cancer Project	Cancer Total
#N/A		*1 Resident*	*Off-Site*	#N/A	#N/A	#N/A	0.00
#N/A		*1 Daycare*	*Off-Site*	#N/A	0.03	#N/A	0.00
#N/A		*1 School*	*Off-Site*	#N/A	#N/A	#N/A	0.00

Additional Housing Option

Scenario	Receptor Type	UTM X	UTM Y	Lifetime Excess Cancer Risk (per million) Background	Project	Total
Scenario 1: Construction - Off-Site Receptors (Phase 1 + 2)	Residential	#N/A	#N/A	#N/A	#N/A	#N/A
	Daycare	547920	4175420	21.9	12.6	34.5
	School	#N/A	#N/A	#N/A	#N/A	#N/A

Scenario	Receptor Type	UTM X	UTM Y	Max Annual Avg PM2.5 Exhaust Conc. (µg/m3) Background	Project	Total	Exceeds?	Lookups: Scenario	Receptor	On/Off	PM2.5 CRRP	PM2.5 BAAQMD	PM2.5 Project	PM2.5 Total
Scenario 2: Construction - On-Site Receptors (Phase 2)	Residential	548060	4175380	23.7	9.5	33.2	#N/A	2	Resident	On-Site	#N/A	0.07	#N/A	0.00
	Daycare	548020	4175400	21.8	20.9	42.7	#N/A	2	Daycare	On-Site	#N/A	0.06	#N/A	0.00
Scenario 3: Construction + Operations - Off-Site Receptors (Phase 1 + 2)	Residential	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	3	Resident	Off-Site	#N/A	#N/A	#N/A	0.00
	Daycare	547920	4175420	21.9	11.8	33.6	#N/A	3	Daycare	Off-Site	#N/A	0.03	#N/A	0.00
	School	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	3	School	Off-Site	#N/A	#N/A	#N/A	0.00
Scenario 4: Construction + Operations - On-Site Receptors (Phase 2)	Residential	548060	4175380	23.7	11.4	35.1	#N/A	4	Resident	On-Site	#N/A	0.07	#N/A	0.00
	Daycare	548020	4175400	21.8	22.0	43.8	#N/A	4	Daycare	On-Site	#N/A	0.06	#N/A	0.00
Scenario 5: Operations - All Receptors (Phase 1 + 2)	Residential - Offsite	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	5	Resident	Off-Site	#N/A	#N/A	#N/A	0.00
	Residential - Onsite	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	5	Resident	On-Site	#N/A	#N/A	#N/A	0.00
	Daycare - Offsite	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	5	Daycare	Off-Site	#N/A	#N/A	#N/A	0.00
	Daycare - Onsite	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	5	Daycare	On-Site	#N/A	#N/A	#N/A	0.00
	School - Offsite	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	5	School	Off-Site	#N/A	#N/A	#N/A	0.00

Note: for total cancer values that don't exceed the APEZ threshold of 100, these receptors are in the APEZ for PM2.5

-54.5% <-reduction in max risk to be LTS

Not In APEZ | Not In APEZ | Not In APEZ

Additional Housing Option

Scenario	Receptor Type	UTM X	UTM Y	Max Annual Avg PM2.5 Exhaust Conc. (µg/m3) Background	Project	Total
Scenario 2: Construction - On-Site Receptors (Phase 2)	Residential	548060	4175380	23.7	10.7	34.4
	Daycare	548020	4175400	21.8	23.4	45.3
Scenario 3: Construction + Operations - Off-Site Receptors (Phase 1 + 2)	Residential	#N/A	#N/A	#N/A	#N/A	#N/A
	Daycare	547920	4175420	21.9	12.8	34.7
	School	#N/A	#N/A	#N/A	#N/A	#N/A
Scenario 4: Construction + Operations - On-Site Receptors (Phase 2)	Residential	548060	4175380	23.7	13.4	37.1
	Daycare	548020	4175400	21.8	25.3	47.1
Scenario 5: Operations - All Receptors (Phase 1 + 2)	Residential - Offsite	#N/A	#N/A	#N/A	#N/A	#N/A
	Residential - Onsite	#N/A	#N/A	#N/A	#N/A	#N/A
	Daycare - Offsite	#N/A	#N/A	#N/A	#N/A	#N/A
	Daycare - Onsite	#N/A	#N/A	#N/A	#N/A	#N/A
	School - Offsite	#N/A	#N/A	#N/A	#N/A	#N/A

Note: for total cancer values that don't exceed the APEZ threshold of 100, these receptors are in the APEZ for PM2.5

PM2.5

Developer Option

Scenario	Receptor Type	UTM X	UTM Y	Max Annual Avg PM2.5 Exhaust Conc. (µg/m3) Background	Project	Total	Exceeds?	Lookups: Scenario	Receptor	On/Off	PM2.5 CRRP	PM2.5 BAAQMD	PM2.5 Project	PM2.5 Total
Scenario 1: Construction - Off-Site Receptors (Phase 1 + 2)	Residential	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	1	Resident	Off-Site	#N/A	#N/A	#N/A	0.00
	Daycare	547920	4175420	8.49	0.03	8.52	#N/A	1	Daycare	Off-Site	#N/A	0.00004	#N/A	0.00
	School	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	1	School	Off-Site	#N/A	#N/A	#N/A	0.00
Scenario 2: Construction - On-Site Receptors (Phase 2)	Residential	548060	4175380	8.48	0.12	8.60	#N/A	2	Resident	On-Site	#N/A	0.00009	#N/A	0.00
	Daycare	548020	4175400	8.46	0.12	8.57	#N/A	2	Daycare	On-Site	#N/A	0.00007	#N/A	0.00
Scenario 3: Construction + Operations - Off-Site Receptors (Phase 1 + 2)	Residential	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	3	Resident	Off-Site	#N/A	#N/A	#N/A	0.00
	Daycare	547920	4175420	8.49	0.04	8.53	#N/A	3	Daycare	Off-Site	#N/A	0.00004	#N/A	0.00
	School	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	3	School	Off-Site	#N/A	#N/A	#N/A	0.00
Scenario 4: Construction + Operations - On-Site Receptors (Phase 2)	Residential	548060	4175380	8.48	0.12	8.60	#N/A	4	Resident	On-Site	#N/A	0.00009	#N/A	0.00
	Daycare	548020	4175400	8.46	0.12	8.58	#N/A	4	Daycare	On-Site	#N/A	0.00007	#N/A	0.00
Scenario 5: Operations - All Receptors (Phase 1 + 2)	Residential - Offsite	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	5	Resident	Off-Site	#N/A	#N/A	#N/A	0.00
	Residential - Onsite	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	5	Resident	On-Site	#N/A	#N/A	#N/A	0.00
	Daycare - Offsite	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	5	Daycare	Off-Site	#N/A	#N/A	#N/A	0.00
	Daycare - Onsite	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	5	Daycare	On-Site	#N/A	#N/A	#N/A	0.00
	School - Offsite	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	5	School	Off-Site	#N/A	#N/A	#N/A	0.00

Note: for total PM2.5 values that don't exceed the APEZ threshold of 10 ug/m3, these receptors are in the APEZ for cancer

Not In APEZ | Not In APEZ | Not In APEZ

add BAAQMD

Additional Housing Option

Scenario	Receptor Type	UTM X	UTM Y	Max Annual Avg PM2.5 Exhaust Conc. (µg/m3) Background	Project	Total
Scenario 1: Construction - Off-Site Receptors (Phase 1 + 2)	Residential	#N/A	#N/A	#N/A	#N/A	#N/A
	Daycare	547920	4175420	8.49	0.04	8.53
	School	0	0	#N/A	<0.01	#N/A
Scenario 2: Construction - On-Site Receptors (Phase 2)	Residential	548060	4175380	8.48	0.13	8.61
	Daycare	548020	4175400	8.46	0.13	8.59
Scenario 3: Construction + Operations - Off-Site Receptors (Phase 1 + 2)	Residential	#N/A	#N/A	#N/A	#N/A	#N/A
	Daycare	547920	4175420	8.49	0.04	8.53
	School	0	0	#N/A	<0.01	#N/A
Scenario 4: Construction + Operations - On-Site Receptors (Phase 2)	Residential	548060	4175380	8.48	0.14	8.62
	Daycare	548020	4175400	8.46	0.14	8.60
Scenario 5: Operations - All Receptors (Phase 1 + 2)	Residential - Offsite	#N/A	#N/A	#N/A	#N/A	#N/A
	Residential - Onsite	#N/A	#N/A	#N/A	#N/A	#N/A
	Daycare - Offsite	#N/A	#N/A	#N/A	#N/A	#N/A
	Daycare - Onsite	#N/A	#N/A	#N/A	#N/A	#N/A
	School - Offsite	#N/A	#N/A	#N/A	#N/A	#N/A

Note: for total PM2.5 values that don't exceed the APEZ threshold of 10 ug/m3, these receptors are in the APEZ for cancer

IN APEZ

CANCER

Developer Option

Scenario	Receptor Type	UTM X	UTM Y	Lifetime Excess Cancer Risk (per million) Background	Project	Total	Exceeds?	Lookups: Scenario	Receptor	On/Off	Cancer CRRP	Cancer BAAQMD	Cancer Project	Cancer Total
Scenario 1: Construction - Off-Site Receptors (Phase 1 + 2)	Residential	548700	4175440	74.0	0.5	74.5	FALSE	1	Resident	Off-Site	73.96	0.03	0.51	74.47
	Daycare	#N/A	#N/A	#N/A	<0.1	#N/A	FALSE	1	Daycare	Off-Site	#N/A	#N/A	0.00	#N/A
	School	548520	4175180	36.6	0.1	36.7	FALSE	1	School	Off-Site	36.53	0.03	0.13	36.66
Scenario 2: Construction - On-Site Receptors (Phase 2)	Residential	#N/A	#N/A	#N/A	<0.1	#N/A	FALSE	2	Resident	On-Site	#N/A	#N/A	0.00	#N/A
	Daycare	#N/A	#N/A	#N/A	<0.1	#N/A	FALSE	2	Daycare	On-Site	#N/A	#N/A	0.00	#N/A
Scenario 3: Construction + Operations - Off-Site Receptors (Phase 1 + 2)	Residential	548580	4175080	56.6	1.4	58.0	FALSE	3	Resident	Off-Site	56.60	0.03	1.38	57.97
	Daycare	#N/A	#N/A	#N/A	<0.1	#N/A	FALSE	3	Daycare	Off-Site	#N/A	#N/A	0.00	#N/A
	School	548520	4175180	36.6	0.3	36.8	FALSE	3	School	Off-Site	36.53	0.03	0.28	36.80
Scenario 4: Construction + Operations - On-Site Receptors (Phase 2)	Residential	#N/A	#N/A	#N/A	<0.1	#N/A	FALSE	4	Resident	On-Site	#N/A	#N/A	0.00	#N/A
	Daycare	#N/A	#N/A	#N/A	<0.1	#N/A	FALSE	4	Daycare	On-Site	#N/A	#N/A	0.00	#N/A
Scenario 5: Operations - All Receptors (Phase 1 + 2)	Residential - Offsite	548580	4175080	56.6	2.4	59.0	FALSE	5	Resident	Off-Site	56.60	0.03	2.39	58.99
	Residential - Onsite	#N/A	#N/A	#N/A	<0.1	#N/A	FALSE	5	Resident	On-Site	#N/A	#N/A	0.00	#N/A
	Daycare - Offsite	#N/A	#N/A	#N/A	<0.1	#N/A	FALSE	5	Daycare	Off-Site	#N/A	#N/A	0.00	#N/A
	Daycare - Onsite	#N/A	#N/A	#N/A	<0.1	#N/A	FALSE	5	Daycare	On-Site	#N/A	#N/A	0.00	#N/A
	School - Offsite	548520	4175180	36.6	0.2	36.8	FALSE	5	School	Off-Site	36.53	0.03	0.21	36.73

Note: for background cancer values that don't exceed the APEZ threshold of 100, these receptors are in the APEZ for PM2.5

In APEZ | In APEZ | In APEZ

Additional Housing Option

Scenario	Receptor Type	UTM X	UTM Y	Lifetime Excess Cancer Risk (per million) Background	Project	Total
Scenario 1: Construction - Off-Site Receptors (Phase 1 + 2)	Residential	548700	4175440	74.0	0.6	74.6
	Daycare	#N/A	#N/A	#N/A	<0.1	#N/A
	School	548520	4175180	36.6	0.1	36.7
Scenario 2: Construction - On-Site Receptors (Phase 2)	Residential	#N/A	#N/A	#N/A	<0.1	#N/A
	Daycare	#N/A	#N/A	#N/A	<0.1	#N/A
Scenario 3: Construction + Operations - Off-Site Receptors (Phase 1 + 2)	Residential	548580	4175080	56.6	1.8	58.5
	Daycare	#N/A	#N/A	#N/A	<0.1	#N/A
	School	548520	4175180	36.6	0.3	36.9
Scenario 4: Construction + Operations - On-Site Receptors (Phase 2)	Residential	#N/A	#N/A	#N/A	<0.1	#N/A
	Daycare	#N/A	#N/A	#N/A	<0.1	#N/A
Scenario 5: Operations - All Receptors (Phase 1 + 2)	Residential - Offsite	548580	4175080	56.6	3.4	60.0
	Residential - Onsite	#N/A	#N/A	#N/A	<0.1	#N/A
	Daycare - Offsite	#N/A	#N/A	#N/A	<0.1	#N/A
	Daycare - Onsite	#N/A	#N/A	#N/A	<0.1	#N/A
	School - Offsite	548520	4175180	36.6	0.3	36.9

Note: for background cancer values that don't exceed the APEZ threshold of 100, these receptors are in the APEZ for PM2.5

PM2.5

Developer Option

Scenario	Receptor Type	UTM X	UTM Y	Max Annual Avg PM2.5 Exhaust Conc. (µg/m3) Background	Project	Total	Exceeds?	Lookups: Scenario	Receptor	On/Off	PM2.5 CRRP	PM2.5 BAAQMD	PM2.5 Project	PM2.5 Total
Scenario 1: Construction - Off-Site Receptors (Phase 1 + 2)	Residential	548700	4175440	9.54	<0.01	9.54	FALSE	1	Resident	Off-Site	9.54	0.00004	0.00	9.54
	Daycare	#N/A	#N/A	#N/A	<0.01	#N/A	FALSE	1	Daycare	Off-Site	#N/A	#N/A	0.00	#N/A
	School	548520	4175180	8.77	<0.01	8.77	FALSE	1	School	Off-Site	8.77	0.00004	0.00	8.77

Additional Housing Option

Scenario	Receptor Type	UTM X	UTM Y	Max Annual Avg PM2.5 Exhaust Conc. (µg/m3) Background	Project	Total
Scenario 1: Construction - Off-Site Receptors (Phase 1 + 2)	Residential	548700	4175440	9.54	<0.01	9.54
	Daycare	#N/A	#N/A	#N/A	<0.01	#N/A
	School	548520	4175180	8.77	<0.01	8.78

Scenario 2: Construction - On-Site Receptors (Phase 2)	Residential	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	*2*	*Resident*	*On-Site*	#N/A	#N/A	0.00	#N/A
	Daycare	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	*2*	*Daycare*	*On-Site*	#N/A	#N/A	0.00	#N/A
Scenario 3: Construction + Operations - Off-Site Receptors (Phase 1 + 2)	Residential	548580	4175080	9.21	<0.01	9.21	**FALSE**	*3*	*Resident*	*Off-Site*	9.21	0.00004	0.01	9.21
	Daycare	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	*3*	*Daycare*	*Off-Site*	#N/A	#N/A	0.00	#N/A
	School	548520	4175180	8.77	<0.01	8.78	**FALSE**	*3*	*School*	*Off-Site*	8.77	0.00004	0.00	8.78
Scenario 4: Construction + Operations - On-Site Receptors (Phase 2)	Residential	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	*4*	*Resident*	*On-Site*	#N/A	#N/A	0.00	#N/A
	Daycare	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	*4*	*Daycare*	*On-Site*	#N/A	#N/A	0.00	#N/A
Scenario 5: Operations - All Receptors (Phase 1 + 2)	Residential - Offsite	548580	4175080	9.21	<0.01	9.21	**FALSE**	*5*	*Resident*	*Off-Site*	9.21	0.00004	0.00	9.21
	Residential - Onsite	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	*5*	*Resident*	*On-Site*	#N/A	#N/A	0.00	#N/A
	Daycare - Offsite	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	*5*	*Daycare*	*Off-Site*	#N/A	#N/A	0.00	#N/A
	Daycare - Onsite	#N/A	#N/A	#N/A	<0.01	#N/A	**FALSE**	*5*	*Daycare*	*On-Site*	#N/A	#N/A	0.00	#N/A
	School - Offsite	548520	4175180	8.77	<0.01	8.77	**FALSE**	*5*	*School*	*Off-Site*	8.77	0.00004	0.00	8.77

Note: for background PM2.5 values that don't exceed the APEZ threshold of 10 ug/m3, these receptors are in the APEZ for cancer

In APEZ *In APEZ* *In APEZ*

Scenario 2: Construction - On-Site Receptors (Phase 2)	Residential	#N/A	#N/A	#N/A	<0.01	#N/A
	Daycare	#N/A	#N/A	#N/A	<0.01	#N/A
Scenario 3: Construction + Operations - Off-Site Receptors (Phase 1 + 2)	Residential	548580	4175080	9.21	<0.01	9.21
	Daycare	#N/A	#N/A	#N/A	<0.01	#N/A
	School	548520	4175180	8.77	<0.01	8.78
Scenario 4: Construction + Operations - On-Site Receptors (Phase 2)	Residential	#N/A	#N/A	#N/A	<0.01	#N/A
	Daycare	#N/A	#N/A	#N/A	<0.01	#N/A
Scenario 5: Operations - All Receptors (Phase 1 + 2)	Residential - Offsite	548580	4175080	9.21	<0.01	9.21
	Residential - Onsite	#N/A	#N/A	#N/A	<0.01	#N/A
	Daycare - Offsite	#N/A	#N/A	#N/A	<0.01	#N/A
	Daycare - Onsite	#N/A	#N/A	#N/A	<0.01	#N/A
	School - Offsite	548520	4175180	8.77	<0.01	8.78

Note: for background PM2.5 values that don't exceed the APEZ threshold of 10 ug/m3, these receptors are in the APEZ for cancer