

Appendix B

Technical Appendix for Air Quality and Greenhouse Gas Emissions

Sunset Gower Studios Preservation and Enhancement Plan

Draft EIR

Technical Appendix for Air Quality and Greenhouse Gas Emissions

April 2020

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Air Quality and Greenhouse Gas Methodology

AIR QUALITY AND GREENHOUSE GAS EMISSIONS METHODOLOGY

Sunset Gower Studios Preservation and Enhancement Plan

Prepared by:

Eyestone Environmental, LLC

April 2020

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Air Quality and Greenhouse Gas Emissions Methodology

1. Introduction

Eyestone Environmental has been retained to conduct a comprehensive greenhouse gas (GHG) and criteria air pollutant emissions assessment for the Sunset Gower Studios Preservation and Enhancement Plan (the “Project”). Emissions during both construction and operation of the Project were quantified. This assessment describes the methodology used to estimate the GHG and air pollutant emissions from existing and Project conditions and describes the methodology used to quantify GHG and air pollutant emission reductions from project design features and mitigation measures.

2. Air Pollutant and Greenhouse Gas Emissions Methodology

The Project would result in direct emissions of criteria pollutants and direct and indirect GHG emissions generated by different types of emissions sources, including:¹

- Direct Emissions:
 - Construction: emissions associated with demolition of existing uses, shoring, excavation, grading, and construction-related equipment and vehicular activity;
 - Area source: emissions associated with consumer products, architectural coatings, and landscape equipment;
 - Energy source (building operations): emissions associated with space heating and cooling, and water heating;

¹ Direct sources of emissions include Project-related vehicular trips and onsite combustion of fossil fuels (e.g., natural gas, propane, gasoline, and diesel). Whereas, indirect sources of emissions include offsite emissions associated with purchased electricity and embodied energy (e.g., energy used to convey, treat, and distribute water and wastewater)

- Mobile source: emissions associated with vehicles accessing the project site; and
- Stationary source: emissions associated with stationary equipment (e.g., emergency generators).
- Indirect Emissions:
 - Energy source (building operations): emissions associated with energy consumption, and lighting;
 - Solid Waste: emissions associated with the decomposition of the waste, which generates methane based on the total amount of degradable organic carbon; and
 - Water/Wastewater: emissions associated with energy used to pump, convey, deliver, and treat water.

a. Emission Inventories

Project-related construction and operation emissions were calculated using SCAQMD's recommended California Emissions Estimator Model (CalEEMod). CalEEMod is a statewide land use emissions computer model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify potential criteria pollutant and GHG emissions associated with both construction and operations from a variety of land use projects. CalEEMod was developed in collaboration with the air districts of California. Data (e.g., emission factors, trip lengths, meteorology, source inventory, etc.) have been provided by the various California air districts to account for local requirements and conditions. The model is considered by the SCAQMD to be an accurate and comprehensive tool for quantifying criteria pollutant and GHG impacts from land use projects throughout California.²

CalEEMod utilizes widely accepted models for emission estimates combined with appropriate default data that can be used if site-specific information is not available. These models and default estimates use sources such as the USEPA AP-42 emission factors, CARB's on-road emission model (EMission FACtor model (EMFAC)) and off-road equipment emission model (Off-road Emissions Inventory Program model (OFFROAD)).

² See www.caleemod.com.

(1) Construction

Construction activities would generate emissions from off-road equipment usage, on-road vehicle travel (truck hauling, vendor deliveries, and workers commuting), architectural coating, and paving. Each of these source types is discussed in more detail below. The Project's construction emissions were calculated using the SCAQMD recommended CalEEMod (Version 2016.3.2). Please refer to CalEEMod construction output files for a complete listing of construction details modeled. CalEEMod default values were used for equipment and vehicle emission factors, equipment load factors and vehicle trip lengths. It should be noted that the maximum daily emissions were predicted values for the worst-case day and do not represent the emissions that would occur for every day of Project construction. The maximum daily emissions were compared to the SCAQMD daily regional numeric indicators. Annual emissions were calculated based on the total number of hours each piece of equipment was used and the total number of vehicular trips (i.e., worker, vendor, and haul) over the duration of construction. In accordance with the SCAQMD's guidance, GHG emissions from construction were amortized over the lifetime of the Project. The SCAQMD defines the lifetime of a project as 30 years.³ Therefore, total construction GHG emissions were divided by 30 to determine an annual construction emissions estimate comparable to operational emissions.

(a) Emissions from Construction Equipment

The emission calculations associated with construction equipment are from off-road equipment engine use based on the equipment list and phase length. Since the majority of the off-road construction equipment used for construction projects are diesel fueled, CalEEMod assumes all of the equipment operates on diesel fuel. Construction equipment emissions vary with engine model years in which newer equipment will emit fewer pollutants. As a conservative assumption, the CalEEMod model uses an emission rate for equipment which represents an average model year for available equipment within the Air Basin. CalEEMod calculates the exhaust emissions based on CARB OFFROAD methodology using the equation presented below.

Construction Off-Road Equipment:

$$\text{Emissions Diesel [lbs]} = (\sum_i (EF_i \times Pop_i \times AvgHP_i \times Load_i \times Activity_i)$$

Where: EF_i = Emission factor from OFFROAD (lbs/hr)

Pop_i = Population (quantity of same equipment)

³ SCAQMD, *Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans, 2008*.

AvgHP_i = Maximum rated average horsepower (hp)
Load_i = Load Factor (dimensionless)
Activity_i = Hours of operation (hours)
i = Summation index

Fugitive dust emissions from use of off-road equipment were also calculated using CalEEMod based on the types of equipment used during grading activities and based on the amount of import/export from loading or unloading dirt into haul trucks. These methods have been adapted from USEPA's AP-42 method for Western Coal Mining. As recommended by SCAQMD, the fugitive dust emissions from the grading phase are calculated using the methodology described in USEPA AP-42. PM₁₀ and PM_{2.5} emissions from fugitive dust will be controlled by watering the construction site three times a day consistent with SCAQMD Rule 403 and were estimated to be reduced by 61 percent.

(b) Emissions from On-Road Trips

Construction generates on-road vehicle exhaust, evaporative, and dust emissions from personal vehicles for worker commuting, vendor deliveries, and trucks for soil and material hauling. These emissions are based on the number of trips and VMT along with emission factors from EMFAC. The emissions from mobile sources were calculated with the trip rates, trip lengths and emission factors for running from EMFAC as follows:

Construction On-Road Equipment:

Emissions pollutant (lbs) = VMT * EF running, pollutant

Where: VMT = vehicle miles traveled (miles)

EF running,pollutant = emission factor for running emissions (lbs/VMT)

Evaporative emissions, starting and idling emissions in CalEEMod were calculated by multiplying the number of trips times the respective emission factor for each pollutant. Consistent with Mitigation Measure AIR-MM-1, off-road equipment would meet Tier 4 off-road emissions standards, where feasible, and the emission reduction was calculated within CalEEMod.

(c) Emissions from Architectural Coating

VOC off-gassing emissions result from evaporation of solvents contained in surface coatings. CalEEMod calculates the VOC evaporative emissions from application of residential and non-residential surface coatings using the following equation:

Construction Architectural Coating Emissions:

Emissions Architectural Coatings (lbs) = $EF_{AC} \times F \times A_{paint}$

Where: EF_{AC} = Emission Factor (lb/sf)

A_{paint} = Building Surface Area (sf)

The CalEEMod tool assumes the total surface for painting equals 2.7 times the floor square footage for residential and 2 times that for nonresidential square footage. All of the land use information provided by a metric other than square footage will be converted to square footage using the default conversions or user defined equivalence.

F = fraction of surface area [%].

The default values based on SCAQMD methods used in their coating rules are 75 percent for the interior surfaces and 25 percent for the exterior shell. Parking areas are based on 6-percent coverage.

The emission factor (EF) is based on the VOC content of the surface coatings and is calculated estimated using the equation below:

$$EF_{AC} = C_{VOC}/454(\text{g/lb}) \times 3.785(\text{L/gal})/180*\text{sf}$$

Where: EF = emission factor (lb/sf)

C = VOC content (g/L or gram per liter)

The emission factors for coating categories were calculated using the equation above based on default VOC content from provided by the air districts or CARB's statewide limits in CalEEMod. Architectural coating VOC emission factors are also consistent with SCAQMD Rule 1113 as discussed above.

(d) Emissions from Paving

CalEEMod estimates VOC off-gassing emissions associated with asphalt paving of parking lots using the following equation:

$$\text{Emissions}_{AP} (\text{lbs}) = EF_{AP} \times A_{parking}$$

Where: EF = emission factor (lb/acre)

A = area of the parking lot (acre)

Note: The Sacramento Metropolitan Air Quality Management District (SMAQMD) default emission factor is 2.62 lb/acre.

(2) Operation

Similar to construction, the SCAQMD-recommended CalEEMod was used to calculate potential emissions generated by the Project, including area source, energy sources (electricity and natural gas), mobile source, solid waste generation and disposal, and water usage/wastewater generation.

(3) Area Source Emissions

Area source emissions were calculated using the CalEEMod emissions inventory model, which includes consumer products, architectural coatings, and landscape maintenance equipment. Pollutant emissions generated by the Project were calculated using CalEEMod defaults, based upon the land uses that will be included in each project.

Consumer products are chemically formulated products used by household and institutional consumers, including, but not limited to, detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints; and automotive specialty products; but does not include other paint products, furniture coatings, or architectural coatings. SCAQMD did an evaluation of consumer product use compared to the total square footage of buildings using data from CARB consumer product Emission Inventory. To calculate the VOC emissions from consumer product use, the following equation was used in CalEEMod:

$$\text{Emissions Consumer Products (lbs)} = \text{EF}_{\text{CP}} \times \text{Building Area}$$

Where:

EF_{CP} = pounds of VOC per building square foot

The factor is 1.98×10^{-5} lbs/sf for SCAQMD areas.

Building Area = the total square footage of all buildings including residential square footage

VOC off-gassing emissions result from evaporation of solvents contained in surface coatings such as in paints and primers. The operational emission methodology from architecture coating is the same as the construction methodology discussed above. All land

use buildings are assumed to be repainted at a rate of 10 percent of area per year. This is based on the assumptions used by SCAQMD.

The combustion of fossil fuels to operate landscape equipment such as lawnmowers and trimmers, results in pollutant emissions. The emissions occur on-site and are considered a direct source of pollutant emissions. The emissions for landscaping equipment are based on the size of the land uses, the pollutant emission factors for fuel combustion. Pollutant emissions from landscaping equipment are generally calculated in CalEEMod as follows:

Landscaping Equipment:

$$\text{Landscaping Equipment Emissions [lbs]} = (\sum_i (\text{Units} \times \text{EF}_{LE} \times \text{A}_{LE})_i)$$

Where: Units = Number of land use units (same land use type) [1,000 sf]

EF_{LE} = Emission factor [grams (g)/1,000 sfday]

i = Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf.

(4) Energy Emissions (Electricity and Natural Gas)

Pollutant emissions are emitted as a result of activities in buildings when electricity and natural gas are used as energy sources. Combustion of any type of fuel emits pollutant emissions directly into the atmosphere; when this occurs in a building, it is a direct emission source associated with that building. Pollutant emissions are also emitted during the generation of electricity from fossil fuels. When electricity is used in a building, the electricity generation typically takes place off-site at the power plant; electricity use in a building generally causes emissions in an indirect manner.

Energy demand emissions were calculated using the CalEEMod emissions inventory model. Energy use in buildings is divided into energy consumed by the built environment and energy consumed by uses that are independent of the construction of the building such as in plug-in appliances. CalEEMod calculates energy use from systems covered by Title 24 Building Energy Efficiency Standards (e.g., heating, ventilation, and air conditioning [HVAC] system, water heating system, and lighting system); energy use from lighting; and energy use from office equipment, appliances, plug-ins, and other sources not covered by Title 24 or lighting.

CalEEMod energy demand is based on the California Energy Commission (CEC) sponsored California Commercial End Use Survey (CEUS) study.⁴ The data is specific for climate zones and, therefore, Zone 11 was selected for the Project Site based on the ZIP Code tool. The 2016 standards are included in default parameters provided in CalEEMod. Therefore, a conservative 10 percent reduction was applied to the default CalEEMod parameters to account for the more stringent 2019 Title 24 standards.

(a) *Electricity*

Because power plants are existing stationary sources permitted by air districts and/or the USEPA, criteria pollutant emissions are generally associated with the power plants themselves, and not individual buildings or electricity users. Additionally, criteria pollutant emissions from power plants are subject to local, state, and federal control measures, which can be considered to be the maximum feasible level of mitigation for stack emissions. In contrast, GHG emissions from power plants are not subject to stationary source permitting requirements to the same degree as criteria pollutants. As such, GHGs emitted by power plants may be indirectly attributed to individual buildings and electricity users, who have the greatest ability to decrease usage by applying mitigation measures to individual electricity “end uses.” CalEEMod therefore calculates GHG emissions (but not criteria pollutant emissions) from regional power plants associated with building electricity use.

Emissions associated with electricity demand are based on the size of the residential, commercial and retail land uses, the electrical demand factors for the land uses, the emission factors for the electricity utility provider, and the GWP values for the GHGs emitted. Annual electricity GHG emissions in units of MTCO₂e are calculated as follows:

⁴ CEC, *Commercial End-Use Survey*, March 2006.

Electricity:

$$\text{Annual Emissions [MTCO}_2\text{e]} = (\sum_i (\text{Units} \times D_E \times EF_E \times GWP)_i) \div 2,204.62$$

Where: Units = Number of land use units (same land use type) [1,000 sf]
D_E = Electrical demand factor [megawatt-hour (MWh)/1,000 sf/yr]
EF_E = GHG emission factor [pounds per megawatt-hour (MWh)]
GWP = Global warming potential [CO₂ = 1, CH₄ = 21, N₂O = 310]
2,204.62 = Conversion factor [pounds/MT]
i = Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf.

GHG emissions from electricity use are directly dependent on the electricity utility provider. The Los Angeles Department of Water and Power (LADWP) provides electric service to the Project Site. Thus, GHG intensity factors for LADWP were selected in CalEEMod. Intensity factors for GHGs due to electrical generation to serve the electrical demands of the existing condition were obtained from the LADWP 2017 Power Integrated Resource Plan, which provides a CO₂ intensity of 795 pounds of CO₂ per MWh. By 2030, at least 50 percent of electricity shall be obtained from renewable sources. The 2016 Power Integrated Resource Plan estimates that the LADWP CO₂ intensity would be 570 pounds of CO₂ per MWh by Year 2028.⁵ As year-by-year data is currently not available, the CO₂ intensity factor for the Project buildup was determined based on straight line interpolation based on current and Year 2028 data points

(b) Natural Gas

The direct source emissions associated with natural gas combustion are based on the size of the land uses and the natural gas combustion factors for the land uses in units of million British thermal units (MMBtu). Natural gas emissions are calculated in CalEEMod as follows:

⁵ 2016 Final Power Integrated Resource Plan, Figure 4-7. LADWP. December 2016.

Natural Gas:

$$\text{Natural Gas Emissions (lbs)} = (\sum_i (\text{Units} \times D_{NG} \times EF_{NG})_i)$$

Where: Units = Number of land use units (same land use type) [1,000 sf]
 D_{NG} = Natural Gas combustion factor [MMBtu/1,000 sf]
 EF_{NG} = Natural Gas combustion factor [pounds/MMBtu]
 i = Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf.

(5) Mobile Source Emissions

Mobile-source emissions were calculated using the CalEEMod emissions inventory model. CalEEMod calculates the emissions associated with on-road mobile sources associated with residents, employees, visitors, and delivery vehicles visiting the Project Site based on the number of daily trips generated and vehicle miles traveled (VMT).

Previously, trip generation for land uses was calculated based on survey data collected by the Institute of Transportation Engineers (ITE). However, these ITE trip generation rates were based on data collected at suburban, single-use, free standing sites, which may not be representative of urban mixed-use environments. Beginning in 2019, the USEPA has sponsored a study to collect travel survey data from mixed-use developments in order provide a more representative trip generation rate for multi-use sites. Results of the USEPA survey indicate that trip generation and VMT are affected by factors such as resident and job density, availability of transit, and accessibility of biking and walking paths. Based on these factors, the USEPA has developed equations known as the EPA Mixed-Use Development (MXD) model to calculate trip reductions for multi-use developments.⁶ The LADOT VMT Calculator incorporates the USEPA MXD model and accounts for project features such as increased density and proximity to transit, which would reduce VMT and associated fuel usage in comparison to free-standing sites. The VMT calculated within the LADOT VMT Calculator was input into CalEEMod and the modeling was also conducted using the Los Angeles County vehicle fleet mix for all vehicle types as provided in EMFAC2014.

Mobile source emissions were generally calculated in CalEEMod as follows:

⁶ Environmental Protection Agency, Mixed-Use Trip Generation Model. www.epa.gov/smartergrowth/mixed-use-trip-generation-model, accessed on December 16, 2019.

Mobile:

$$\text{Mobile Emissions [lbs]} = (\sum_i (\text{Units} \times \text{ADT} \times D_{\text{TRIP}} \times EF_i))$$

Where: Units = Number of vehicles (same vehicle model year and class)
ADT = Average daily trip rate [trips/day]
 D_{TRIP} = Trip distance [miles/trip]
EF = Pollutant emission factor [pounds per mile]
 i = Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf.

Compliance with City EV charging requirements would require 30 percent of the total code-required parking spaces be capable of supporting future electric vehicle supply equipment (EVSE) and 10 percent of the total code-required parking spaces with EV charging stations and/or outlets for plugin. Implementation of these measures would reduce the number of trips associated with fossil-fueled vehicles by providing 10 percent of the total code-required parking spaces with EV charging stations and/or outlets for plugin. The estimated emission reduction accounts for each mile driven in an electric vehicle as compared to the default emission factor calculated by CalEEMod® in the mobile emissions inventory. To ensure that the calculated Project benefit is in only the incremental increase in EV usage beyond what is already anticipated, the emission factor and emissions inventory incorporates the existing EV fleet penetration rates included in EMFAC2014. This ensures that the VMT reduction benefits of the Project EVs do not double count the benefit of the existing EVs.

The estimated GHG reduction was based on the annual VMT reduction from use of EV charging stations. It was estimated that each EV charger would operate approximate 10 hour per day and at a rate of 25 driving miles per hour (equivalent to a Level 2 charging station). It was conservatively assumed that 10 percent of the miles charged would be driven by the charged vehicles. Please refer to the Greenhouse Gas Worksheets and Modeling Runs for calculation of these reductions in GHG emissions.

(6) Stationary Source (Emergency Generator Emissions)

Emissions of GHGs associated with use of emergency generators were calculated using CalEEMod, in which emission factors are based on Table 3.4-1 (Gaseous Emission Factors for Large Stationary Diesel Engines) from EPA's AP-42: Compilation of Air Pollutant Emission Factors. The emissions are based on the horsepower rating of the

diesel generator and the number of hours operated per year for testing purposes. Annual emergency generator GHG emissions in units of MTCO₂e were calculated as follows:

Emergency Generator:

$$\text{Emissions [lbs]} = (\text{Total HP} \times \text{LF} \times \text{HR} \times \text{EF})$$

Where: Total HP = Total horsepower of emergency generators (Hp)

LF = Load Factor (CalEEMod default of 0.73)

HR = Hours Operated per Year

EF = AP-42 Emission Factor of 1.16 lb/hp-hr)

(7) Solid Waste Emissions

The generation of municipal solid waste (MSW) from day-to-day operational activities generally consists of product packaging, grass clippings, furniture, clothing, bottles, food scraps, newspapers, plastic, and other items routinely disposed of in trash bins. A portion of the MSW is diverted to waste recycling and reclamation facilities. Waste that is not diverted is usually sent to local landfills for disposal. MSW that is disposed in landfills results in GHG emissions of CO₂ and CH₄ from the decomposition of the waste that occurs over the span of many years.

Emissions of GHGs associated with solid waste disposal were calculated using the CalEEMod emissions inventory model. The emissions are based on the size of the retail and restaurant land uses, the waste disposal rate for the land uses, the waste diversion rate, the GHG emission factors for solid waste decomposition, and the GWP values for the GHGs emitted. Annual waste disposal GHG emissions in units of MTCO₂e were calculated in CalEEMod as follows:

Solid Waste:

$$\text{Annual Emissions [MTCO}_2\text{e]} = (\sum_i (\text{Units} \times D_{MSW} \times EF_{MSW} \times GWP)_i) \div 1.1023$$

Where: Units = Number of land use units (same land use type) [1,000 sf]

D_{MSW} = Waste disposal rate [tons/1,000 sf/yr]

EF_{MSW} = GHG emission factor [tons/ton waste]

GWP = Global warming potential [CO₂ = 1, CH₄ = 21, N₂O = 310]

1.1023 = Conversion factor [tons/MT]

i = Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf.

CalEEMod allows the input of several variables to quantify solid waste emissions. The model requires the amount of waste disposed, which is the product of the waste disposal rate times the land use units. CalEEMod default annual solid waste disposal rates used. The GHG emission factors, particularly for CH₄, depend on characteristics of the landfill, such as the presence of a landfill gas capture system and subsequent flaring or energy recovery. The default values, as provided in CalEEMod, for landfill gas capture (e.g., no capture, flaring, energy recovery), which are statewide averages, were used in this assessment. The Project includes a 76.4 percent diversion rate as required by the City of Los Angeles.

(8) Water Usage and Wastewater Generation Emissions

GHG emissions are related to the energy used to convey, treat, and distribute water and wastewater. Thus, these emissions are generally indirect emissions from the production of electricity to power these systems. Three processes are necessary to supply potable water and include: (1) supply and conveyance of the water from the source; (2) treatment of the water to potable standards; and (3) distribution of the water to individual users. After use, energy is used as the wastewater is treated and reused as reclaimed water.

Emissions related to water usage and wastewater generation were calculated using the CalEEMod emissions inventory model. The emissions are based on the size of the land uses, the water demand factors, the electrical intensity factors for water supply, treatment, and distribution and for wastewater treatment, the GHG emission factors for the electricity utility provider, and the GWP values for the GHGs emitted. CalEEMod default

annual water demand and wastewater rates were used. GHG emissions due to electricity are calculated in CalEEMod as follows for indoor and outdoor water demand:

Water Supply, Treatment, and Distribution; Wastewater Treatment (electricity):

$$\text{Annual Emissions [MTCO}_2\text{e]} = \frac{(\sum_i (\text{Units} \times D_w \times (E_{lw} \div 1,000) \times E_{fw} \times GWP)_i)}{2,204.62}$$

Where:

- Units = Number of land use units (same land use type) [1,000 sf]
- D_w = Water demand factor [million gallons (Mgal)/1,000 sf/yr]
- E_{lw} = Electricity intensity factor [kilowatt-hours (kWh)/Mgal]
- 1,000 = Conversion factor [kWh/MWh]
- E_{fw} = GHG emission factor [pounds/MWh]
- GWP = Global warming potential [CO₂ = 1, CH₄ = 21, N₂O = 310]
- 2,205 = Conversion factor [pounds/MT]
- i = Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf.

CalEEMod provides options to account for the use of water saving features such as the use of low-flow water fixtures (e.g., low-flow faucets, low-flow toilets). The same electricity GHG emissions factors discussed above were used for water and wastewater energy usage. In addition, the calculation of Project GHG emissions from water/wastewater usage accounts for a 20 percent reduction in water/wastewater emissions with implementation of Project Design Features WAT-PDF-1 provided in Section IV.J, Utilities and Service Systems—Water Supply and Infrastructure, of this Draft EIR.

b. Post-230 Analysis

Recent studies show that the State's existing and proposed regulatory framework will put the State on a pathway to reduce its GHG emissions level to 40 percent below 1990 levels by 2030, and to 80 percent below 1990 levels by 2050 if additional appropriate reduction measures are adopted.⁷ Even though these studies did not provide an exact

⁷ Energy and Environmental Economics (E3). “Summary of the California State Agencies' PATHWAYS Project: Long-term Greenhouse Gas Reduction Scenarios” (April 2015); Greenblatt, Jeffrey, Energy Policy, “Modeling California Impacts on Greenhouse Gas Emissions” (Vol. 78, pp. 158–172). The California Air Resources Board, California Energy Commission, California Public Utilities Commission, (Footnote continued on next page)

regulatory and technological roadmap to achieve the 2030 and 2050 goals, they demonstrated that various combinations of policies could allow the Statewide emissions level to remain very low through 2050.

Subsequent to the findings of these studies, SB 32 was passed on September 8, 2016, which would require the State board to ensure that Statewide GHG emissions are reduced to 40 percent below the 1990 level by 2030. The new plan outlined in SB 32 involves increasing renewable energy use, imposing tighter limits on the carbon content of gasoline and diesel fuel, putting more electric cars on the road, improving energy efficiency, and curbing emissions from key industries. An evaluation was provided to determine whether the Project's design features advanced these goals by reducing VMT, increasing the use of electric vehicles, improving energy efficiency and reducing water usage.

Further, an evaluation of the Project's consistency with SCAG's RTP/SCS was provided to demonstrate that the Project will be consistent with post-2020 GHG reduction goals. The 2016–2040 RTP/SCS would result in an estimated 8-percent decrease in per capita GHG emissions by 2020, 18-percent decrease in per capita GHG emissions from passenger vehicles by 2035, and 21-percent decrease in per capita GHG emissions from passenger vehicles by 2040. In March 2018, CARB adopted updated targets requiring a 19-percent decrease in VMT for the SCAG region by 2035. As the CARB targets were adopted after the 2016–2040 RTP/SCS, it is expected that the updated targets will be incorporated into the next RTP/SCS. The 2016–2040 RTP/SCS and/or the next RTP/SCS are expected to fulfill and exceed SB 375 compliance with respect to meeting the State's GHG emission reduction goals.

3. Mitigation Measures

The following mitigation measure sets forth a program of air pollution control strategies designed to reduce the Project's air quality impacts to the extent feasible during construction.

and the California Independent System Operator engaged E3 to evaluate the feasibility and cost of a range of potential 2030 targets along the way to the state's goal of reducing GHG emissions to 80 percent below 1990 levels by 2050. With input from the agencies, E3 developed scenarios that explore the potential pace at which emission reductions can be achieved, as well as the mix of technologies and practices deployed. E3 conducted the analysis using its California PATHWAYS model. Enhanced specifically for this study, the model encompasses the entire California economy with detailed representations of the buildings, industry, transportation and electricity sectors.

Mitigation Measure AIR-MM-1: During plan check, the Project representative shall make available to the lead agency and the South Coast Air Quality Management District a comprehensive inventory of all off-road construction equipment, equal to or greater than 50 horsepower, that will be used during any portion of the grading and excavation for Building A, Parking Structure F, and the subterranean parking garage and mat foundation (concrete pour) activities. The inventory shall include the horsepower rating, engine production year, and certification of the specified Tier standard. A copy of each unit's certified tier specification, Best Available Control Technology documentation, and California Air Resources Board or Air Quality Management District operating permit shall be available onsite at the time of mobilization of each applicable unit of equipment to allow the Construction Monitor to compare the on-site equipment with the inventory and certified Tier specification and operating permit. Off-road diesel-powered equipment within the construction inventory list described above shall meet the EPA Tier 4 Final standards where commercially available.

The measure requires equipment to meet Tier 4 standards where feasible for the following reasons:

- Tier IV requirements went into effect in 2015, and it would not be reasonable to assume that the construction market would have a substantial amount of the newer equipment readily commercially available in 2020 when proposed grading/excavation/export activities would occur. The California Air Resources Board (CARB) OFFROAD 2017 is an emissions model for heavy construction equipment used within California and includes heavy-duty equipment registration data within the State. The OFFROAD 2017 model indicates that Tier 4 equipment may not currently be readily available.⁸ Emissions generated from Project construction would exceed the SCAQMD significance threshold and would require bore/drill rigs, cranes, excavators, and pumps. OFFROAD 2017 indicates that the equipment population meeting Tier 4 requirements represent approximately 21 percent of bore/drill rigs, 10 percent of cranes, and 25 percent of excavators and pumps. Given such low availability and the number of construction projects ongoing and expected to be ongoing during Project construction, equipment meeting Tier 4 standards may not be commercially available when needed for Project construction, especially given the large size of the Project; and

⁸ California Air Resources Board OFFROAD2017—ORION database, www.arb.ca.gov/orion/, accessed February 2018 (Attached In Appendix XX).

- On-site equipment emissions account for approximately 30 percent of the total peak daily regional NOx emissions, and, therefore, any reduction from use of Tier IV equipment would marginally reduce overall regional NOx emissions.

Consideration of alternative technologies and strategies were also considered in the event equipment meeting Tier 4 Final standards is not feasible. Reducing the number and/or horsepower rating of construction equipment has already been considered in the Draft EIR. The analysis presented in the Draft EIR reflects the number and horsepower rating of construction equipment necessary to perform specific tasks in a proficient and safe manner. Limiting the number of daily construction haul truck trips was also considered in the analysis presented in the Draft EIR. However, to reduce significant regional NOx impacts during the peak day of construction to less than significant would require the number of concrete trucks to be reduced by 57 percent and would not meet the requirements of a mat foundation.

Use of diesel trucks meeting 2007 or 2010 model year engine standards (2007 or 2010 trucks) or alternatively fueled trucks could potentially be an effective measure to reduce air pollution for facilities that have dedicated truck fleets (e.g., distribution facilities, such as those operated by Federal Express). The CARB EMFAC2017 model indicates that trucks meeting 2010 engine standards are available in approximately 50 percent of the population. However, certain phases of Project construction such as concrete pours for mat foundation would require approximately 1,148 truck trips per day, and, in addition, concrete delivery activities typically rely on a mix of small independent contractors and a few companies with larger fleets. Therefore, this measure was not considered further in the Draft EIR.

Air Quality Worksheets

Construction

- Summary of Emissions
- Calculation of Localized Significance Thresholds
- Availability of Tier IV Equipment
- CalEEMod Output Files
 - Construction Regional
 - Construction Localized

Operations

- Summary of Emissions
- LADOT VMT CalEEMod Input Calculations
- CalEEMod Output Files
 - Baseline Regional
 - Baseline (Buildout) Regional
 - Buildout
 - Interim

Sunset Gower Studios Preservation and Enhancement Plan

Draft EIR

April 2020

- Summary of Construction Emissions

AIR QUALITY SUMMARY OF EMISSIONS (Construction)

Construction by Phase				On-site												Off-site												Total											
Phase	Start Date	End Date	Num Days	ROG	NO _x	CO	SO ₂	PM ₁₀	Fug	PM ₁₀	Ex	M ₁₀	Total	PM _{2.5}	Fug	PM _{2.5}	Ex	M _{2.5}	Total	ROG	NO _x	CO	SO ₂	PM ₁₀	Fug	PM ₁₀	Ex	M ₁₀	Total	PM _{2.5}	Fug	PM _{2.5}	Ex	M _{2.5}	Total				
Demolition (Total)	2021/01/01	2021/04/24	83	3.2	29.3	27.6	0.0	0.7	1.5	2.3	0.1	1.4	1.6	1.2	25.6	9.2	0.1	2.7	0.1	2.8	0.7	0.1	0.8	4.3	54.9	36.8	0.1	3.4	1.6	5.0	0.8	1.5	2.4						
Grading (Bldg A, Parking Structure)	2021/04/25	2021/07/24	65	2.5	25.9	21.6	0.1	0.1	1.1	1.2	0.1	1.1	1.2	3.6	99.8	27.8	0.3	7.8	0.3	8.1	2.1	0.3	2.4	6.0	125.7	49.4	0.4	7.9	1.5	9.3	2.3	1.4	3.6						
Matt Foundation (Bldg A, Parking Structure)	2021/07/25	2021/08/07	10	6.3	49.7	56.5	0.1			2.7	2.7		2.7	2.7	4.1	134.6	32.7	0.3	6.7	0.3	7.0	1.8	0.3	2.1	10.3	184.4	89.2	0.4	6.7	3.0	9.6	1.8	2.9	4.8					
Grading (Subterranean Parking)	2021/08/08	2021/10/22	54	2.5	25.9	21.6	0.1	0.1	1.1	1.2	0.0	1.1	1.1	3.6	99.8	27.8	0.3	7.7	0.3	8.0	2.1	0.3	2.4	6.0	125.7	49.4	0.4	7.8	1.5	9.2	2.1	1.4	3.5						
Building Construction (Bldg A, Parking Structure)	2021/08/08	2024/04/07	695	2.3	18.0	21.4	0.0	0.0	1.0	1.0	0.0	1.0	1.0	2.6	7.9	21.0	0.1	6.5	0.1	6.5	1.7	0.1	1.8	5.0	25.9	42.4	0.1	6.5	1.1	7.5	1.7	1.0	2.8						
Overlap of Grading Below Grade Parking and Building Construction Bldg A & PS	2021/08/08	2021/10/22	54	4.8	43.9	43.0	0.1	0.1	2.1	2.2	0.0	2.0	2.0	6.2	107.7	48.9	0.4	14.1	0.4	14.5	3.8	0.4	4.2	11.0	151.6	91.9	0.5	14.2	2.5	16.8	3.8	2.4	6.2						
Matt Foundation (Subterranean Parking)	2021/10/23	2021/11/05	10	6.3	49.7	56.5	0.1	0.0	2.7	2.7	0.0	2.7	2.7	5.5	185.6	44.0	0.4	8.8	0.4	9.3	2.4	0.4	2.8	11.7	235.4	100.5	0.5	8.8	3.1	11.9	2.4	3.1	5.5						
Overlap of Matt Below Grade Parking and Building Construction Bldg A & PS	2021/10/23	2021/11/05	10	8.6	67.8	77.9	0.1	0.0	3.7	3.7	0.0	3.6	3.6	8.1	193.5	65.0	0.5	15.3	0.5	15.8	4.1	0.5	4.6	16.7	261.3	142.9	0.6	15.3	4.2	19.5	4.1	4.1	8.2						
Building Construction (Subterranean PS)	2021/11/06	2022/11/04	260	2.0	14.8	17.6	0.0	0.0	0.8	0.8	0.0	0.8	0.8	2.6	7.9	21.0	0.1	6.5	0.1	6.5	1.7	0.1	1.8	4.6	22.7	38.7	0.1	6.5	0.9	7.3	1.7	0.9	2.6						
Overlap Building Construction Below Grade Parking and Bldg A & PS	2021/11/06	2022/11/04	260	4.3	32.8	39.0	0.1	0.0	1.8	1.8	0.0	1.8	1.8	5.3	15.8	42.1	0.1	12.9	0.1	13.0	3.4	0.1	3.6	9.6	48.6	81.1	0.2	12.9	2.0	14.9	3.4	1.9	5.2						
Architectural Coating	2024/01/01	2025/10/24	473	13.0	3.3	4.8	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	3.3	4.8	0.0	0.0	0.2	0.2	0.0	0.2							
Grading (Bldgs B&C)	2024/04/01	2024/04/10	7	1.6	15.6	18.2	0.0	0.1	0.7	0.8	0.0	0.6	0.6	2.3	59.0	24.8	0.3	7.1	0.1	7.2	2.0	0.1	2.1	4.0	74.6	43.0	0.3	7.2	0.8	8.0	2.0	0.7	2.7						
Overlap Grading Bldgs B&C, Arch, BC Bldg A	2024/04/01	2024/04/10	7	17.0	36.9	44.4	0.1	0.1	1.8	1.9	0.0	1.7	1.7	5.0	66.9	45.8	0.4	13.6	0.2	13.8	3.7	0.2	3.9	22.0	103.8	90.2	0.4	13.7	2.0	15.7	3.7	1.9	5.6						
Matt Foundation (Bldgs B&C)	2024/04/11	2024/04/23	10	5.1	41.0	56.1	0.1	0.0	1.8	1.8	0.0	1.8	1.8	2.5	66.8	24.7	0.3	7.6	0.1	7.7	2.2	0.1	2.3	7.6	107.9	80.8	0.4	7.6	1.9	9.5	2.2	1.9	4.1						
Overlap Matt Foundation and Arch Coatings	2024/04/11	2024/04/23	10	18.2	44.3	61.0	0.1	0.0	2.0	2.0	0.0	2.0	2.0	2.5	66.8	24.7	0.3	7.6	0.1	7.7	2.2	0.1	2.3	20.6	111.1	85.7	0.4	7.6	2.1	9.7	2.2	2.0	4.2						
Building Construction (Bldg B&C)	2024/04/24	2025/10/24	392	1.7	13.5	19.4	0.0	0.0	0.6	0.6	0.0	0.6	0.6	2.2	7.8	17.1	0.1	12.0	0.1	12.0	3.1	0.0	3.1	3.9	21.3	36.4	0.1	12.0	0.6	12.6	3.1	0.6	3.7						
Overlap Building Construction B&C and Architectural Coatings	2024/04/24	2025/10/24	392	14.8	16.8	24.2	0.0	0.0	0.7	0.7	0.0	0.7	0.7	2.2	7.8	17.1	0.1	12.0	0.1	12.0	3.1	0.0	3.1	3.9	24.6	41.2	0.1	12.0	0.8	12.8	3.1	0.8	3.8						

Summary

Construction by Phase				On-site												Off-site												Total							
PhaseName	PhaseStartDate	PhaseEndDate	NumDays	ROG	NO _x	CO	SO ₂	PM ₁₀ Fug	PM ₁₀ Ex	M ₁₀ Tot	PM _{2.5} Fug	PM _{2.5} Ex	M _{2.5} Tot	ROG	NO _x	CO	SO ₂	PM ₁₀ Fug	PM ₁₀ Ex	M ₁₀ Tot	PM _{2.5} Fug	PM _{2.5} Ex	M _{2.5} Tot	ROG	NO _x	CO	SO ₂	PM ₁₀ Fug	PM ₁₀ Ex	M ₁₀ Tot	PM _{2.5} Fug	PM _{2.5} Ex	M _{2.5} Tot		
Demolition (Total)	2021/01/01	2021/04/24	83	3.2	29.3	27.6	0.0	0.7	1.5	2.3	0.1	4.4	1.6	1.2	25.6	9.2	0.1	2.7	0.1	2.8	0.7	0.1	0.8	4.3	54.9	36.8	0.1	3.4	1.6	5.0	0.8	1.5	2.4		
Grading (Bldg A, Parking Structure)	2021/04/25	2021/07/24	65	2.5	25.9	21.6	0.1	0.1	1.1	1.2	0.1	1.1	1.2	3.6	9.9	27.8	0.3	7.8	0.3	8.1	2.1	0.3	2.4	6.0	125.7	49.4	0.4	7.9	1.5	9.3	2.3	1.4	3.6		
Matt Foundation (Bldg A, Parking Structure)	2021/07/25	2021/08/07	10	6.3	49.7	56.5	0.1	0.0	2.7	2.7	0.0	2.7	2.7	4.1	134.6	32.7	0.3	6.7	0.3	7.0	1.8	0.3	2.1	10.3	184.4	89.2	0.4	6.7	3.0	9.6	1.8	2.9	4.8		
Overlap of Grading Below Grade Parking and Building Construction Bldg A & PS	2021/08/08	2021/10/22	54	4.8	43.9	43.0	0.1	0.1	2.1	2.2	0.0	2.0	2.0	6.2	107.7	48.9	0.4	14.1	0.4	14.5	3.8	0.4	4.2	11.0	151.6	91.9	0.5	14.2	2.5	16.8	3.8	2.4	6.2		
Matt Foundation (Subterranean Parking)	2021/10/23	2021/11/05	10	6.3	49.7	56.5	0.1	0.0	2.7	2.7	0.0	2.7	2.7	5.5	185.6	44.0	0.4	8.8	0.4	9.3	2.4	0.4	2.8	11.7	235.4	100.5	0.5	8.8	3.1	11.9	2.4	3.1	5.5		
Overlap of Matt Below Grade Parking and Building Construction Bldg A & PS	2021/10/23	2021/11/05	10	8.6	67.8	77.9	0.1	0.0	3.7	3.7	0.0	3.6	3.6	8.1	193.5	65.0	0.5	15.3	0.5	15.8	4.1	0.5	4.6	16.7	261.3	142.9	0.6	15.3	4.2	19.5	4.1	4.1	8.2		
Overlap Building Construction Below Grade Parking and Bldg A & PS	2021/11/06	2022/11/04	260	4.3	32.8	39.0	0.1	0.0	1.8	1.8	0.0	1.8	1.8	5.3	15.8	42.1	0.1	12.9	0.1	13.0	3.4	0.1	3.6	9.6	48.6	81.1	0.2	12.9	2.0	14.9	3.4	1.9	5.3		
Building Construction (Bldg A, Parking Structure)	2022/11/04	2023/01/01	364	2.3	18.0	21.4	0.0	0.0	1.0	1.0	0.0	1.0	1.0	2.6	7.9	21.0	0.1	6.5	1.7	0.1	1.8	0.5	25.9	42.4	0.1	6.5	1.1	7.5	1.7	1.0	2.8				
Overlap Grading Bldgs B&C, Arch, BC Bldg A	2024/04/01	2024/10/10	7	17.0	36.9	44.4	0.1	0.1	1.8	1.9	0.0	1.7	1.7	5.0	66.9	45.8	0.4	13.6	0.2	13.8	3.7	0.2	3.9	22.0	103.8	90.2	0.4	13.7	2.0	15.7	3.7	1.9	5.6		
Overlap Matt Foundation and Arch Coatings	2024/04/11	2024/04/23	10	18.2	44.3	61.0	0.1	0.0	2.0	2.0	0.0	2.0	2.0	2.5	66.8	24.7	0.3	7.6	0.1	7.7	2.2	0.1	2.3	20.6	111.1	85.7	0.4	7.6	2.1	9.7	2.2	2.0	4.2		
Overlap Building Construction B&C and Architectural Coatings	2024/04/24	2025/10/24	392	14.8	16.8	24.2	0.0	0.0	0.7	0.7	0.0	0.7	0.7	2.2	7.8	17.1	0.1	12.0	0.1	12.0	3.1	0.0	3.3	17.0	24.6	41.2	0.1	12.0	0.8	12.8	3.1	0.8			

LOCALIZED (Unmitigated)

Summary

REGIONAL (Mitigated)

Construction by Phase	PhaseName	PhaseStartDate	PhaseEndDate	NumDays	On-site										Off-site										Total										
					ROG	NO _x	CO	SO ₂	Pm ₁₀	Fug	Pm ₁₀ Ex	M ₁₀ Tot	Pm _{2.5}	Fug	Pm _{2.5} Ex	M _{2.5} Tot	ROG	NO _x	CO	SO ₂	Pm ₁₀	Fug	Pm ₁₀ Ex	M ₁₀ Tot	Pm _{2.5}	Fug	Pm _{2.5} Ex	M _{2.5} Tot	ROG	NO _x	CO	SO ₂	Pm ₁₀	Fug	Pm ₁₀ Ex
Demolition (Total)		2021/01/01	2021/04/24	83	3.2	29.3	27.6	0.0	0.7	1.5	2.3	0.1	1.4	1.6	1.2	25.6	9.2	0.1	2.7	0.1	2.8	0.7	0.1	0.8	4.3	54.9	36.8	0.1	3.4	1.6	5.0	0.8	1.5	2.4	

Grading (Bldg A, Parking Structure)	2021/04/25	2021/07/24	65	0.6	2.7	28.7	0.1	0.1	0.1	0.2	0.0	0.1	0.1	3.6	99.8	27.8	0.3	7.8	0.3	8.1	2.1	0.3	2.4	4.2	102.5	56.6	0.4	7.9	0.4	8.3	2.1	0.4	2.5
Matt Foundation (Bldg A, Parking Structure)	2021/07/25	2021/08/07	10	1.0	5.8	56.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	4.1	134.6	32.7	0.3	6.7	0.3	7.0	1.8	0.3	2.1	5.0	140.4	89.0	0.4	6.7	0.4	7.1	1.8	0.4	2.2
Grading (Subterranean Parking)	2021/08/08	2021/10/22	54	0.6	2.7	28.7	0.1	0.1	0.2	0.0	0.1	0.1	0.1	3.6	99.8	27.8	0.3	7.7	0.3	8.0	2.1	0.3	2.4	4.2	102.5	56.6	0.4	7.8	0.4	8.2	2.1	0.4	2.5
Building Construction (Bldg A, Parking Structure)	2021/08/08	2024/04/07	695	0.4	5.0	21.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	7.9	21.0	0.1	6.5	0.1	6.5	1.7	0.1	1.8	3.1	12.9	42.5	0.1	6.5	0.1	6.6	1.7	0.1	1.8
Overlap of Grading Below Grade Parking and Building Construction Bldg A & PS	2021/08/08	2021/10/22	54	1.0	7.7	50.2	0.1	0.1	0.1	0.2	0.0	0.1	0.1	6.2	107.7	48.9	0.4	14.1	0.4	14.5	3.8	0.4	4.2	7.3	115.4	99.1	0.5	14.2	0.5	14.7	3.8	0.5	4.3
Matt Foundation (Subterranean Parking)	2021/10/23	2021/11/05	10	1.0	5.8	56.4	0.1	0.0	0.1	0.1	0.0	0.1	0.1	5.5	185.6	44.0	0.4	8.8	0.4	9.3	2.4	0.4	2.8	6.4	191.4	100.3	0.5	8.8	0.5	9.4	2.4	0.5	2.9
Overlap of Matt Below Grade Parking and Building Construction Bldg A & PS	2021/10/23	2021/11/05	10	1.4	10.8	77.8	0.1	0.0	0.2	0.2	0.0	0.2	0.2	8.1	193.5	65.0	0.5	15.3	0.5	15.8	4.1	0.5	4.6	9.5	204.3	142.9	0.6	15.3	0.6	16.0	4.1	0.6	4.8
Building Construction (Subterranean Parking)	2021/11/06	2022/11/04	260	0.4	4.7	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	7.9	21.0	0.1	6.5	0.1	6.5	1.7	0.1	1.8	3.0	12.6	38.5	0.1	6.5	0.1	6.6	1.7	0.1	1.8
Overlap Building Construction Below Grade Parking and Bldg A & PS	2021/11/06	2022/11/04	260	0.8	9.7	38.9	0.1	0.0	0.1	0.1	0.0	0.1	0.1	5.3	15.8	42.1	0.1	12.9	0.1	13.0	3.4	0.1	3.6	6.1	25.5	81.0	0.2	12.9	0.2	13.1	3.4	0.2	3.6
Architectural Coating	2024/01/01	2025/10/24	473	12.7	0.3	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.7	0.3	4.9	0.0	0.0	0.0	0.0	0.0	0.0	
Grading (Bldgs B&C)	2024/04/01	2024/04/10	7	0.6	2.4	25.6	0.0	0.1	0.1	0.2	0.0	0.1	0.1	2.3	59.0	24.8	0.3	7.1	0.1	7.2	2.0	0.1	2.1	2.9	61.4	50.4	0.3	7.2	0.2	7.4	2.0	0.2	2.2
Overlap Grading Bldgs B&C, Arch, BC Bldg A	2024/04/01	2024/04/10	7	13.6	7.8	52.0	0.1	0.1	0.1	0.2	0.0	0.1	0.1	5.0	66.9	45.8	0.4	13.6	0.2	13.8	3.7	0.2	3.9	18.6	74.7	97.9	0.4	13.7	0.3	14.0	3.7	0.3	4.0
Matt Foundation (Bldgs B&C)	2024/04/11	2024/04/23	10	1.0	5.8	56.4	0.1	0.0	0.1	0.1	0.0	0.1	0.1	2.5	66.8	24.7	0.3	7.6	0.1	7.7	2.2	0.1	2.3	3.4	72.6	81.0	0.4	7.6	0.2	7.8	2.2	0.2	2.4
Overlap Matt Foundation and Arch Coatings	2024/04/11	2024/04/23	10	13.6	6.1	61.2	0.1	0.0	0.1	0.1	0.0	0.1	0.1	2.5	66.8	24.7	0.3	7.6	0.1	7.7	2.2	0.1	2.3	16.1	72.9	85.9	0.4	7.6	0.2	7.9	2.2	0.2	2.4
Building Construction (Bldg B&C)	2024/04/24	2025/10/24	392	0.4	4.9	19.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	7.8	17.1	0.1	12.0	0.1	12.0	3.1	0.0	3.1	2.6	12.7	36.8	0.1	12.0	0.1	12.1	3.1	0.1	3.2
Overlap Building Construction B&C and Architectural Coatings	2024/04/24	2025/10/24	392	13.1	5.2	24.6	0.0	0.0	0.1	0.1	0.0	0.1	0.1	2.2	7.8	17.1	0.1	12.0	0.1	12.0	3.1	0.0	3.1	15.3	12.1	0.1	41.6	0.1	12.0	3.1	0.1	2.9	

Summary

Construction by Phase		On-site												Off-site												Total									
		PhaseName	PhaseStartDate	PhaseEndDate	NumDays	ROG	NO _x	CO	SO ₂	PM ₁₀	Fug	PM ₁₀	Ex	M ₁₀	Tot	M _{2.5}	Fug	PM _{2.5}	Ex	M _{2.5}	Tot	ROG	NO _x	CO	SO ₂	PM ₁₀	Fug	PM ₁₀	Ex	M ₁₀	Tot	M _{2.5}	Fug	PM _{2.5}	Ex
Demolition (Total)		Demolition (Total)	2021/01/01	2021/04/24	83	3.2	29.3	27.6	0.0	0.7	1.5	2.3	0.1	1.4	1.6	1.2	25.6	9.2	0.1	2.7	0.1	2.8	0.7	0.1	0.8	4.3	54.9	36.8	0.1	3.4	1.6	5.0	0.8	1.5	2.4
Grading (Bldg A, Parking Structure)		Grading (Bldg A, Parking Structure)	2021/04/25	2021/07/24	65	0.6	2.7	28.7	0.1	0.1	0.1	0.2	0.0	0.1	0.1	3.6	99.8	27.8	0.3	7.8	0.3	8.1	2.1	0.3	2.4	4.2	102.5	56.6	0.4	7.9	4.0	8.3	2.1	0.4	5.5
Matt Foundation (Bldg A, Parking Structure)		Matt Foundation (Bldg A, Parking Structure)	2021/07/25	2021/08/07	10	1.0	5.8	56.4	0.1	0.0	0.1	0.1	0.0	0.1	0.1	4.1	134.6	32.7	0.3	6.7	0.3	7.0	1.8	0.3	2.1	5.0	140.4	89.0	0.4	6.7	0.4	7.1	1.8	0.4	2.2
Overlap of Grading Below Grade Parking and Building Construction Bldg A & PS		Overlap of Grading Below Grade Parking and Building Construction Bldg A & PS	2021/08/08	2021/10/22	54	1.0	7.7	50.2	0.1	0.1	0.1	0.2	0.0	0.1	0.1	6.2	107.7	48.9	0.4	14.1	0.4	14.5	3.8	0.4	4.2	7.3	119.4	99.1	0.5	14.2	0.5	14.7	3.8	0.5	4.3
Matt Foundation (Subterranean Parking)		Matt Foundation (Subterranean Parking)	2021/10/23	2021/11/05	10	1.0	5.8	56.4	0.1	0.0	0.1	0.1	0.0	0.1	0.1	5.5	185.6	44.0	0.4	8.8	0.4	9.3	2.4	0.4	2.8	6.4	191.4	100.3	0.5	8.8	0.5	9.4	2.4	0.5	2.9
Overlap of Matt Below Grade Parking and Building Construction Bldg A & PS		Overlap of Matt Below Grade Parking and Building Construction Bldg A & PS	2021/10/23	2021/11/05	10	1.4	10.8	77.8	0.1	0.0	0.2	0.2	0.0	0.2	0.2	8.1	193.5	65.0	0.5	15.3	0.5	15.8	4.1	0.5	4.6	9.5	204.3	142.9	0.6	15.3	0.6	16.0	4.1	0.6	4.8
Overlap Building Construction Below Grade Parking and Bldg A & PS		Overlap Building Construction Below Grade Parking and Bldg A & PS	2021/11/06	2022/11/04	260	0.8	9.7	38.9	0.1	0.0	0.1	0.1	0.0	0.1	0.1	5.3	15.8	42.1	0.1	12.9	0.1	13.0	3.4	0.1	3.6	6.1	25.5	81.0	0.2	12.9	0.2	13.1	3.4	0.2	3.6
Building Construction (Bldg A, Parking Structure)		Building Construction (Bldg A, Parking Structure)	2022/11/04	2024/04/01	364	0.4	5.0	21.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	7.9	21.0	0.1	6.5	0.1	6.5	1.7	0.1	1.8	3.1	12.9	42.5	0.1	6.5	0.1	6.6	1.7	0.1	1.8
Overlap Grading Bldgs B&C, Arch, BC Bldg A		Overlap Grading Bldgs B&C, Arch, BC Bldg A	2024/04/01	2024/04/10	7	13.6	7.8	52.0	0.1	0.1	0.1	0.2	0.0	0.1	0.1	5.0	69.9	45.8	0.4	13.6	0.2	13.8	3.7	0.2	3.9	18.6	74.7	97.9	0.4	13.7	0.3	14.0	3.7	0.3	4.0
Overlap Matt Foundation and Arch Coatings		Overlap Matt Foundation and Arch Coatings	2024/04/11	2024/04/23	10	13.6	6.1	61.2	0.1	0.0	0.1	0.1	0.0	0.1	0.1	2.5	66.8	24.7	0.3	7.6	0.1	7.7	2.2	0.1	2.3	16.1	72.9	85.9	0.4	7.6	0.2	7.9	2.2	0.2	2.4
Overlap Building Construction B&C and Architectural Coatings		Overlap Building Construction B&C and Architectural Coatings	2024/04/24	2025/10/24	392	13.1	5.2	24.6	0.0	0.0	0.1	0.1	0.0	0.1	0.1	2.2	7.8	17.1	0.1	12.0	0.1	12.0	3.1	0.0	3.1	15.3	13.1	0.1	41.6	0.1	42.0	3.1	0.1	2.2	

Sunset Gower Studios Preservation and Enhancement Plan

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- Calculation of Localized Significance Thresholds

Sunset Gower Studios
Air Quality Threshold Calculations

Step 1. Determine Allowable Increase using 98th percentile NO₂ and Max NO₂ data

Central LA NO₂ Monitoring Data

SRA	City	Design Value	98th percentile, ppb		
		2016-2018	2016	2017	2018
1	CELA	60	61	62	57

Threshold (ppb)	Allowable Increase (ppb)	
100	40	

SRA	City	Design Value	Max Hourly, ppb			
		2006-2008	2013	2014	2015	2016
1	CELA	120		82	79	65

Threshold (ppb)	Allowable Increase (ppb)	
180	60	

Max Hourly vs. 98th Percentile Ratio (Allowable Increase)	67%
---	------------

Step 2. Use ratio in Step 1 to determine LST lookup value. Extrapolate/Interpolate LST look-up value for project area

LST Threshold (SRA 1, 25 meter receptor)

Project Size (acres)	NO ₂ (lbs/day)	98th Percentile NO ₂ (lbs/day)	CO (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	PM10 Ops (lbs/day)	PM2.5 Ops (lbs/day)
1	74	49	680	5	3	2	1
2	108	72	1048	8	5	2	2
5	161	107	1861	16	8	4	2

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- Availability of Tier IV Equipment

California Air Resources Board - ORION Database Output

South Coast Air Basin - Year 2018 (Tier 4 Availability)

Equipment Name	Horsepower Rating	Number of Tier 4 Equipment	Number of All Registered Equipment	Percent of Available Tier 4
Bore/Drill Rigs	25		0	
	50	8	44	19%
	75		21	0%
	100	40	112	36%
	175	38	105	36%
	300	31	106	29%
	600	27	88	30%
	750	7	19	37%
	9999	1	3	33%
Cranes	25		0	
	50	1	17	3%
	75	1	12	5%
	100	26	212	12%
	175	65	388	17%
	300	64	433	15%
	600	73	422	17%
	750		5	0%
	9999	1	10	6%
Crawler Tractors	25		0	
	50	5	51	10%
	75		18	0%
	100	104	861	12%
	175	84	576	15%
	300	49	458	11%
	600	133	767	17%
	750		11	0%
	9999		15	0%
Excavators	25	0	1	0%
	50	444	1251	36%
	75		61	0%
	100	330	839	39%
	175	432	1156	37%
	300	369	994	37%
	600	414	1041	40%
	750	4	10	40%
	9999	5	8	60%
Graders	25		1	0%
	50	1	15	7%
	75	4	8	53%
	100	15	107	14%
	175	134	850	16%
	300	61	726	8%
	600	2	23	7%
	9999		3	0%

California Air Resources Board - ORION Database Output

South Coast Air Basin - Year 2018 (Tier 4 Availability)

Equipment Name	Horsepower Rating	Number of Tier 4 Equipment	Number of All Registered Equipment	Percent of Available Tier 4
Off Road Trucks	25	1	2	33%
	50	110	507	22%
	75	81	181	45%
	100	15	180	8%
	175	77	289	27%
	300	101	357	28%
	600	257	745	34%
	750	31	133	23%
	9999	33	103	32%
Other Construction Equipment	25	0	0	
	50	47	370	13%
	75		27	0%
	100	124	626	20%
	175	40	204	20%
	300	45	193	23%
	600	89	381	23%
	750	7	36	19%
	9999	2	9	21%
Pavers	25		0	
	50	12	60	20%
	75	16	66	25%
	100	48	218	22%
	175	64	203	32%
	300	19	96	20%
	600	2	9	21%
	750		1	0%
	9999			
Paving Equipment	25	0	0	
	50	26	74	35%
	75		6	0%
	100	60	139	44%
	175	33	88	38%
	300	10	40	25%
	600	4	22	20%
	750		1	0%
	9999	0	1	50%
Rollers	25		0	
	50	358	1517	24%
	75		12	0%
	100	350	1119	31%
	175	233	654	36%
	300	27	84	32%
	600	10	30	33%

California Air Resources Board - ORION Database Output

South Coast Air Basin - Year 2018 (Tier 4 Availability)

Equipment Name	Horsepower Rating	Number of Tier 4 Equipment	Number of All Registered Equipment	Percent of Available Tier 4
Rough Terrain Forklifts	25	0	1	0%
	50	22	68	32%
	75		2	0%
	100	1328	2494	53%
	175	472	849	56%
	300	1	24	5%
	600	1	5	13%
	750		1	0%
Rubber Tired Dozers	25		0	
	50	9	20	44%
	75	5	18	31%
	100	4	41	11%
	175	4	32	14%
	300	2	25	10%
	600	15	166	9%
	750	0	2	20%
Rubber Tired Loaders	25		0	
	50	14	75	18%
	100	201	938	21%
	175	305	1230	25%
	300	238	1128	21%
	600	207	1028	20%
	750	11	42	27%
	9999	5	20	23%
Scrapers	25		1	0%
	50		3	0%
	75	1	12	4%
	100	1	39	1%
	175	84	328	26%
	300	44	318	14%
	600	265	1768	15%
	750		26	0%
Skid Steer Loaders	25	0	0	
	50	437	1050	42%
	75	1626	3269	50%
	100		120	0%
	175	5	14	33%
	300	4	9	47%
	600	1	1	50%
	9999		1	0%

California Air Resources Board - ORION Database Output

South Coast Air Basin - Year 2018 (Tier 4 Availability)

Equipment Name	Horsepower Rating	Number of Tier 4 Equipment	Number of All Registered Equipment	Percent of Available Tier 4
Surfacing Equipment	25	0	0	0%
	50	3	18	16%
	75		8	0%
	100	18	42	44%
	175	8	29	27%
	300	5	33	16%
	600	23	53	43%
	750	3	17	19%
	9999	0	4	11%
Sweepers/Scrubbers	25	0	1	0%
	50	46	282	16%
	75	11	47	22%
	100	56	183	30%
	175	7	27	26%
	300	3	12	26%
	600		2	0%
	9999		1	0%
Tractors/Loaders/Backhoes	25		0	
	50	315	1469	21%
	75		461	0%
	100	2530	9517	27%
	175	332	1116	30%
	300	107	471	23%
	600	119	402	30%
	750	2	5	30%
	9999	6	22	29%
Trenchers	25	0	0	
	50	91	482	19%
	75	8	30	27%
	100	36	193	18%
	175	8	30	26%
	300	9	39	23%
	600	9	31	30%
	750	2	4	57%
	9999		1	0%

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- Construction CalEEMod Output Files
 - Construction Regional
 - Construction Localized

Sunset Gower Studios (Regional Construction with Mitigation Measures Tier IV Equipment) - Los Angeles-South Coast County, Winter

Sunset Gower Studios (Regional Construction with Mitigation Measures Tier IV Equipment)
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	599.35	1000sqft	15.90	599,350.00	0
Industrial Park	26.17	1000sqft	0.00	26,170.00	0
Enclosed Parking with Elevator	985.00	Space	0.00	394,000.00	0
Unenclosed Parking Structure	354.00	Space	0.00	141,600.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2028
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	570	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP RPS Value for 2028

Land Use - Site Specific

Construction Phase - Site Specific

Off-road Equipment - Site Specific

Trips and VMT - Site Specific

Demolition -

Grading -

Construction Off-road Equipment Mitigation - Site Specific

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	15.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
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
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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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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	473.00
tblConstructionPhase	NumDays	300.00	392.00
tblConstructionPhase	NumDays	300.00	695.00
tblConstructionPhase	NumDays	300.00	260.00
tblConstructionPhase	NumDays	20.00	83.00
tblConstructionPhase	NumDays	30.00	65.00
tblConstructionPhase	NumDays	30.00	54.00
tblConstructionPhase	NumDays	30.00	7.00
tblGrading	MaterialExported	0.00	143,624.00
tblGrading	MaterialExported	0.00	119,197.00
tblGrading	MaterialExported	0.00	15,740.00
tblLandUse	LotAcreage	13.76	15.90
tblLandUse	LotAcreage	0.60	0.00
tblLandUse	LotAcreage	8.87	0.00
tblLandUse	LotAcreage	3.19	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	570
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripNumber	731.00	6,640.00
tblTripsAndVMT	HaulingTripNumber	17,953.00	20,410.00
tblTripsAndVMT	HaulingTripNumber	14,900.00	16,956.00
tblTripsAndVMT	HaulingTripNumber	1,968.00	2,198.00
tblTripsAndVMT	VendorTripNumber	0.00	918.00
tblTripsAndVMT	VendorTripNumber	190.00	60.00
tblTripsAndVMT	VendorTripNumber	0.00	832.00
tblTripsAndVMT	VendorTripNumber	190.00	60.00
tblTripsAndVMT	VendorTripNumber	0.00	1,148.00
tblTripsAndVMT	VendorTripNumber	190.00	60.00
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	WorkerTripNumber	28.00	60.00
tblTripsAndVMT	WorkerTripNumber	28.00	60.00
tblTripsAndVMT	WorkerTripNumber	428.00	400.00
tblTripsAndVMT	WorkerTripNumber	23.00	60.00
tblTripsAndVMT	WorkerTripNumber	28.00	60.00
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tblTripsAndVMT	WorkerTripNumber	428.00	400.00
tblTripsAndVMT	WorkerTripNumber	28.00	60.00
tblTripsAndVMT	WorkerTripNumber	428.00	400.00
tblTripsAndVMT	WorkerTripNumber	86.00	0.00
tblTripsAndVMT	WorkerTripNumber	20.00	60.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2021	16.7093	261.2900	142.9483	0.6265	15.3072	4.1610	19.4683	4.1414	4.0872	8.2286	0.0000 99	65,199.57 99	65,199.57 99	5.4818	0.0000	65,336.62 42
2022	8.8981	45.0311	77.6148	0.2038	12.9209	1.6741	14.5950	3.4462	1.6112	5.0574	0.0000 14	20,140.25 14	20,140.25 14	1.5455	0.0000	20,178.88 85
2023	4.2899	21.2703	38.9763	0.1026	6.4605	0.7876	7.2480	1.7231	0.7607	2.4838	0.0000 64	10,124.97 64	10,124.97 64	0.7501	0.0000	10,143.72 90
2024	21.0815	111.1056	85.6500	0.4378	13.8316	2.0624	15.4611	3.7230	2.0474	5.2707	0.0000 89	45,944.39 89	45,944.39 89	4.2446	0.0000	46,050.51 40
2025	16.7559	23.4736	40.1023	0.1080	6.4361	0.6887	7.1248	1.7105	0.6689	2.3794	0.0000 11	10,709.57 11	10,709.57 11	0.7996	0.0000	10,729.56 22
Maximum	21.0815	261.2900	142.9483	0.6265	15.3072	4.1610	19.4683	4.1414	4.0872	8.2286	0.0000 99	65,199.57 99	65,199.57 99	5.4818	0.0000	65,336.62 42

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	lb/day										lb/day					
2021	9.5048	204.2977	142.8716	0.6265	15.3072	0.6484	15.9557	4.1414	0.6256	4.7670	0.0000 99	65,199.57 99	65,199.57 99	5.4818	0.0000	65,336.62 42
2022	5.7655	24.5468	77.7966	0.2038	12.9209	0.1997	13.1206	3.4462	0.1913	3.6376	0.0000 14	20,140.25 14	20,140.25 14	1.5455	0.0000	20,178.88 85
2023	2.7353	10.7927	39.3136	0.1026	6.4605	0.0965	6.5570	1.7231	0.0927	1.8158	0.0000 64	10,124.97 64	10,124.97 64	0.7501	0.0000	10,143.72 90
2024	18.1548	72.9378	93.4753	0.4378	13.6765	0.3044	13.9809	3.6995	0.2951	3.9946	0.0000 89	45,944.39 89	45,944.39 89	4.2446	0.0000	46,050.51 40
2025	15.1799	12.8680	40.5532	0.1080	6.4361	0.1038	6.5399	1.7105	0.1000	1.8105	0.0000 11	10,709.57 11	10,709.57 11	0.7996	0.0000	10,729.56 22
Maximum	18.1548	204.2977	142.8716	0.6265	15.3072	0.6484	15.9557	4.1414	0.6256	4.7670	0.0000 99	65,199.57 99	65,199.57 99	5.4818	0.0000	65,336.62 42

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	24.20	29.58	-2.26	0.00	0.28	85.57	12.12	0.16	85.78	31.57	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 (Total)	Demolition	1/1/2021	4/24/2021	5	83	
2	Grading (Bldg A, Parking Structure)	Grading	4/25/2021	7/24/2021	5	65	
3	Mat Foundation (Bldg A, Parking Structure)	Trenching	7/25/2021	8/7/2021	5	10	
4	Grading (Subterrean Parking Structure)	Grading	8/8/2021	10/22/2021	5	54	
5	Building Construction (Bldg A, Parking Structure)	Building Construction	8/8/2021	4/7/2024	5	695	
6	Mat Foundation (Subterrean Parking Structure)	Trenching	10/23/2021	11/5/2021	5	10	
7	Building Construction (Subterrean Parking Structure)	Building Construction	11/6/2021	11/4/2022	5	260	
8	Architectural Coating	Architectural Coating	1/1/2024	10/24/2025	5	473	
9	Grading (Bldg B and C)	Grading	4/1/2024	4/10/2024	5	7	
10	Matt Foundation (Bldg B and C)	Trenching	4/11/2024	4/23/2024	5	10	

11	Building Construction (Bldg B Land C)	Building Construction	4/24/2024	10/24/2025	5	392
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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 938,280; Non-Residential Outdoor: 312,760; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition (Total)	Aerial Lifts	2	8.00	63	0.31
Demolition (Total)	Air Compressors	2	8.00	78	0.48
Demolition (Total)	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition (Total)	Excavators	1	8.00	158	0.38
Demolition (Total)	Rubber Tired Dozers	1	8.00	247	0.40
Demolition (Total)	Skid Steer Loaders	1	8.00	65	0.37
Demolition (Total)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading (Bldg A, Parking Structure)	Air Compressors	1	8.00	78	0.48
Grading (Bldg A, Parking Structure)	Bore/Drill Rigs	2	8.00	221	0.50
Grading (Bldg A, Parking Structure)	Cranes	2	8.00	231	0.29
Grading (Bldg A, Parking Structure)	Excavators	2	8.00	158	0.38
Grading (Bldg A, Parking Structure)	Graders	0	8.00	187	0.41
Grading (Bldg A, Parking Structure)	Rubber Tired Dozers	0	8.00	247	0.40
Grading (Bldg A, Parking Structure)	Scrapers	0	8.00	367	0.48
Grading (Bldg A, Parking Structure)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Mat Foundation (Bldg A, Parking Structure)	Cement and Mortar Mixers	4	24.00	9	0.56
Mat Foundation (Bldg A, Parking Structure)	Pumps	4	24.00	84	0.74
Mat Foundation (Bldg A, Parking Structure)	Tractors/Loaders/Backhoes	1	16.00	97	0.37
Mat Foundation (Bldg A, Parking Structure)	Welders	2	8.00	46	0.45
Grading (Subterreanen Parking Structure)	Air Compressors	1	8.00	78	0.48
Grading (Subterreanen Parking Structure)	Bore/Drill Rigs	2	8.00	221	0.50
Grading (Subterreanen Parking Structure)	Cranes	2	8.00	231	0.29
Grading (Subterreanen Parking Structure)	Excavators	2	8.00	158	0.38
Grading (Subterreanen Parking Structure)	Graders	0	8.00	187	0.41
Grading (Subterreanen Parking Structure)	Rubber Tired Dozers	0	8.00	247	0.40
Grading (Subterreanen Parking Structure)	Rubber Tired Loaders	0	8.00	203	0.36
Grading (Subterreanen Parking Structure)	Scrapers	0	8.00	367	0.48
Grading (Subterreanen Parking Structure)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction (Bldg A, Parking Structure)	Aerial Lifts	2	8.00	63	0.31
Building Construction (Bldg A, Parking Structure)	Air Compressors	2	8.00	78	0.48
Building Construction (Bldg A, Parking Structure)	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction (Bldg A, Parking Structure)	Cranes	0	7.00	231	0.29
Building Construction (Bldg A, Parking Structure)	Forklifts	2	8.00	89	0.20
Building Construction (Bldg A, Parking Structure)	Generator Sets	0	8.00	84	0.74
Building Construction (Bldg A, Parking Structure)	Pumps	1	8.00	84	0.74
Building Construction (Bldg A, Parking Structure)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction (Bldg A, Parking Structure)	Welders	2	8.00	46	0.45
Mat Foundation (Subterreanen Parking Structure)	Cement and Mortar Mixers	4	24.00	9	0.56
Mat Foundation (Subterreanen Parking Structure)	Pumps	4	24.00	84	0.74
Mat Foundation (Subterreanen Parking Structure)	Tractors/Loaders/Backhoes	1	16.00	97	0.37
Mat Foundation (Subterreanen Parking Structure)	Welders	2	8.00	46	0.45

Building Construction (Subterreanen Parking Structures)	Aerial Lifts		2	8.00	63	0.31
Building Construction (Subterreanen Parking Structures)	Air Compressors		2	8.00	78	0.48
Building Construction (Subterreanen Parking Structures)	Cement and Mortar Mixers		1	8.00	9	0.56
Building Construction (Subterreanen Parking Structures)	Cranes		0	7.00	231	0.29
Building Construction (Subterreanen Parking Structures)	Forklifts		2	8.00	89	0.20
Building Construction (Subterreanen Parking Structures)	Generator Sets		0	8.00	84	0.74
Building Construction (Subterreanen Parking Structures)	Tractors/Loaders/Backhoes		2	8.00	97	0.37
Building Construction (Subterreanen Parking Structures)	Welders		2	8.00	46	0.45
Architectural Coating	Air Compressors		2	8.00	78	0.48
Grading (Bldg B and C)	Bore/Drill Rigs		2	8.00	221	0.50
Grading (Bldg B and C)	Cranes		2	7.00	231	0.29
Grading (Bldg B and C)	Excavators		2	8.00	158	0.38
Grading (Bldg B and C)	Forklifts		0	8.00	89	0.20
Grading (Bldg B and C)	Generator Sets		0	8.00	84	0.74
Grading (Bldg B and C)	Graders		0	8.00	187	0.41
Grading (Bldg B and C)	Rubber Tired Dozers		0	8.00	247	0.40
Grading (Bldg B and C)	Rubber Tired Loaders		0	8.00	203	0.36
Grading (Bldg B and C)	Scrapers		0	8.00	367	0.48
Grading (Bldg B and C)	Tractors/Loaders/Backhoes		2	8.00	97	0.37
Grading (Bldg B and C)	Welders		0	8.00	46	0.45
Matt Foundation (Bldg B and C)	Cement and Mortar Mixers		4	24.00	9	0.56
Matt Foundation (Bldg B and C)	Pumps		4	24.00	84	0.74
Matt Foundation (Bldg B and C)	Tractors/Loaders/Backhoes		1	16.00	97	0.37
Matt Foundation (Bldg B and C)	Welders		2	8.00	46	0.45
Building Construction (Bldg B and C)	Aerial Lifts		2	8.00	63	0.31
Building Construction (Bldg B and C)	Air Compressors		2	6.00	78	0.48
Building Construction (Bldg B and C)	Cement and Mortar Mixers		1	8.00	9	0.56
Building Construction (Bldg B and C)	Cranes		0	7.00	231	0.29
Building Construction (Bldg B and C)	Excavators		0	8.00	158	0.38
Building Construction (Bldg B and C)	Forklifts		2	8.00	89	0.20
Building Construction (Bldg B and C)	Generator Sets		0	8.00	84	0.74
Building Construction (Bldg B and C)	Pumps		1	8.00	84	0.74
Building Construction (Bldg B and C)	Rubber Tired Dozers		0	8.00	247	0.40
Building Construction (Bldg B and C)	Tractors/Loaders/Backhoes		2	7.00	97	0.37
Building Construction (Bldg B and C)	Welders		2	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
Demolition (Total)	11	60.00	0.00	6,640.00	19.80	7.90	25.00	LD_Mix	HDT_Mix	HHDT
Grading (Bldg A, Parking Structures)	9	60.00	0.00	20,410.00	19.80	7.90	25.00	LD_Mix	HDT_Mix	HHDT
Mat Foundation (Bldg A, Parking Structures)	11	60.00	832.00	0.00	19.80	7.90	20.00	LD_Mix	HHD	HHDT
Grading (Subterranean, Parking)	9	60.00	0.00	16,956.00	19.80	7.90	25.00	LD_Mix	HDT_Mix	HHDT
Building Construction (Bldg A, Parking)	12	400.00	60.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Mat Foundation (Subterranean, Parking)	11	60.00	1,148.00	0.00	19.80	7.90	20.00	LD_Mix	HHD	HHDT
Building Construction (Subterranean, Parking)	11	400.00	60.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	0.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading (Bldg B and C)	8	60.00	0.00	2,198.00	19.80	7.90	25.00	LD_Mix	HDT_Mix	HHDT
Matt Foundation (Bldg B and C)	11	60.00	918.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction (Bldg B and C)	12	400.00	60.00	0.00	19.80	7.90	20.00	LD_Mix	HHD	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition (Total) - 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	lb/day										lb/day						
Fugitive Dust					1.9048	0.0000	1.9048	0.2884	0.0000	0.2884			0.0000			0.0000	
Off-Road	3.1539	29.2684	27.6030	0.0458		1.5214	1.5214		1.4474	1.4474		4,390.639	4,390.639	0.9143			4,413.496
Total	3.1539	29.2684	27.6030	0.0458	1.9048	1.5214	3.4262	0.2884	1.4474	1.7358		4,390.639	4,390.639	0.9143			4,413.496
												8	8				3

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	lb/day										lb/day					
Hauling	0.8181	25.3603	6.3567	0.0748	1.7808	0.0826	1.8634	0.4872	0.0790	0.5662	8,118.525 1	8,118.525 1	0.5595			8,132.511 5
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
Worker	0.3657	0.2578	2.8872	8.6500e-003	0.9031	7.1700e-003	0.9103	0.2395	6.6000e-003	0.2461	861.9647	861.9647	0.0250			862.5907
Total	1.1838	25.6181	9.2438	0.0835	2.6839	0.0898	2.7737	0.7267	0.0856	0.8123	8,980.489 7	8,980.489 7	0.5845			8,995.102 2

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	lb/day										lb/day						
Fugitive Dust					0.7429	0.0000	0.7429	0.1125	0.0000	0.1125			0.0000			0.0000	
Off-Road	0.5820	4.9930	29.1578	0.0458		0.0687	0.0687		0.0687	0.0687	0.0000	4,390.639	4,390.639	0.9143		4,413.496	
Total	0.5820	4.9930	29.1578	0.0458	0.7429	0.0687	0.8116	0.1125	0.0687	0.1812	0.0000	4,390.639	4,390.639	0.9143		4,413.496	
												8	8			3	

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	lb/day										lb/day					

Hauling	0.8181	25.3603	6.3567	0.0748	1.7808	0.0826	1.8634	0.4872	0.0790	0.5662		8,118.525 1	8,118.525 1	0.5595		8,132.511 5
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
Worker	0.3657	0.2578	2.8872	8.6500e-003	0.9031	7.1700e-003	0.9103	0.2395	6.6000e-003	0.2461		861.9647	861.9647	0.0250		862.5907
Total	1.1838	25.6181	9.2438	0.0835	2.6839	0.0898	2.7737	0.7267	0.0856	0.8123		8,980.489 7	8,980.489 7	0.5845		8,995.102 2

3.3 Grading (Bldg A, Parking Structure) - 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	lb/day										lb/day					
Fugitive Dust					0.2499	0.0000	0.2499	0.0378	0.0000	0.0378			0.0000		0.0000	
Off-Road	2.4669	25.8784	21.6011	0.0509		1.1349	1.1349		1.0542	1.0542	4,919.050 5	4,919.050 5	1.4953		4,956.433 1	
Total	2.4669	25.8784	21.6011	0.0509	0.2499	1.1349	1.3848	0.0378	1.0542	1.0920	4,919.050 5	4,919.050 5	1.4953		4,956.433 1	

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	lb/day										lb/day					
Hauling	3.2112	99.5392	24.9499	0.2937	6.8613	0.3243	7.1856	1.8807	0.3102	2.1909	31,865.21 09	31,865.21 09	2.1959		31,920.10 77	
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	
Worker	0.3657	0.2578	2.8872	8.6500e-003	0.9031	7.1700e-003	0.9103	0.2395	6.6000e-003	0.2461		861.9647	861.9647	0.0250		862.5907
Total	3.5769	99.7970	27.8370	0.3023	7.7645	0.3314	8.0959	2.1202	0.3168	2.4370	32,727.17 56	32,727.17 56	2.2209		32,782.69 84	

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	lb/day										lb/day					
Fugitive Dust					0.0975	0.0000	0.0975	0.0148	0.0000	0.0148			0.0000		0.0000	
Off-Road	0.6183	2.6793	28.7371	0.0509		0.0824	0.0824		0.0824	0.0824	0.0000	4,919.050 5	4,919.050 5	1.4953		4,956.433 1
Total	0.6183	2.6793	28.7371	0.0509	0.0975	0.0824	0.1799	0.0148	0.0824	0.0972	0.0000	4,919.050 5	4,919.050 5	1.4953		4,956.433 1

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	lb/day										lb/day					

Hauling	3.2112	99.5392	24.9499	0.2937	6.8613	0.3243	7.1856	1.8807	0.3102	2.1909		31,865.21	31,865.21	2.1959	31,920.10
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
Worker	0.3657	0.2578	2.8872	8.6500e-003	0.9031	7.1700e-003	0.9103	0.2395	6.6000e-003	0.2461		861.9647	861.9647	0.0250	862.5907
Total	3.5769	99.7970	27.8370	0.3023	7.7645	0.3314	8.0959	2.1202	0.3168	2.4370		32,727.17	32,727.17	2.2209	32,782.69
												56	56		84

3.4 Mat Foundation (Bldg A, Parking Structure) - 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	lb/day										lb/day						
Off-Road	6.2500	49.7477	56.5460	0.0988		2.6748	2.6748		2.6569	2.6569		9,099.3794	9,099.3794	0.7194		9,117.3652	
Total	6.2500	49.7477	56.5460	0.0988		2.6748	2.6748		2.6569	2.6569		9,099.3794	9,099.3794	0.7194		9,117.3652	

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	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	3.7054	134.3529	29.7873	0.2984	5.7571	0.2990	6.0561	1.5791	0.2861	1.8651	32,351.85	32,351.85	2,8408	32,422.87	17		
Worker	0.3657	0.2578	2.8872	8.6500e-003	0.9031	7.1700e-003	0.9103	0.2395	6.6000e-003	0.2461	861.9647	861.9647	0.0250	862.5907			
Total	4.0711	134.6107	32.6745	0.3070	6.6602	0.3062	6.9664	1.8186	0.2927	2.1112	33,213.81	33,213.81	2.8659		33,285.46	23	

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	lb/day										lb/day					
Off-Road	0.9529	5.7576	56.3542	0.0988		0.1212	0.1212		0.1212	0.1212	0.0000	9,099.379	9,099.379	0.7194		9,117.365
Total	0.9529	5.7576	56.3542	0.0988		0.1212	0.1212		0.1212	0.1212	0.0000	9,099.379	9,099.379	0.7194		9,117.365

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	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000
Vendor	3.7054	134.3529	29.7873	0.2984	5.7571	0.2990	6.0561	1.5791	0.2861	1.8651		32,351.85 06	32,351.85 06	2.8408		32,422.87 17
Worker	0.3657	0.2578	2.8872	8.6500e-003	0.9031	7.1700e-003	0.9103	0.2395	6.6000e-003	0.2461		861.9647	861.9647	0.0250		862.5907
Total	4.0711	134.6107	32.6745	0.3070	6.6602	0.3062	6.9664	1.8186	0.2927	2.1112		33,213.81 53	33,213.81 53	2.8659		33,285.46 23

3.5 Grading (Subterreanen Parking Structure) - 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	lb/day										lb/day					
Fugitive Dust					0.2496	0.0000	0.2496	0.0378	0.0000	0.0378			0.0000		0.0000	
Off-Road	2.4669	25.8784	21.6011	0.0509		1.1349	1.1349		1.0542	1.0542	4,919.050 5	4,919.050 5	1.4953		4,956.433 1	
Total	2.4669	25.8784	21.6011	0.0509	0.2496	1.1349	1.3846	0.0378	1.0542	1.0920	4,919.050 5	4,919.050 5	1.4953		4,956.433 1	

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	lb/day										lb/day					
Hauling	3.2112	99.5392	24.9499	0.2937	6.7670	0.3243	7.0913	1.8575	0.3102	2.1677	31,865.21 09	31,865.21 09	2.1959		31,920.10 77	
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	
Worker	0.3657	0.2578	2.8872	8.6500e-003	0.9031	7.1700e-003	0.9103	0.2395	6.6000e-003	0.2461		861.9647	861.9647	0.0250		862.5907
Total	3.5769	99.7970	27.8370	0.3023	7.6701	0.3314	8.0016	2.0970	0.3168	2.4138	32,727.17 56	32,727.17 56	2.2209		32,782.69 84	

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	lb/day										lb/day					
Fugitive Dust					0.0974	0.0000	0.0974	0.0147	0.0000	0.0147			0.0000		0.0000	
Off-Road	0.6183	2.6793	28.7371	0.0509		0.0824	0.0824		0.0824	0.0824	0.0000	4,919.050 5	4,919.050 5	1.4953		4,956.433 1
Total	0.6183	2.6793	28.7371	0.0509	0.0974	0.0824	0.1798	0.0147	0.0824	0.0972	0.0000	4,919.050 5	4,919.050 5	1.4953		4,956.433 1

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	lb/day										lb/day					

Hauling	3.2112	99.5392	24.9499	0.2937	6.7670	0.3243	7.0913	1.8575	0.3102	2.1677			31,865.21	31,865.21	2.1959		31,920.10
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
Worker	0.3657	0.2578	2.8872	8.6500e-003	0.9031	7.1700e-003	0.9103	0.2395	6.6000e-003	0.2461			861.9647	861.9647	0.0250		862.5907
Total	3.5769	99.7970	27.8370	0.3023	7.6701	0.3314	8.0016	2.0970	0.3168	2.4138			32,727.17	32,727.17	2.2209		32,782.69
											56		56				84

3.6 Building Construction (Bldg A, Parking Structure) - 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	lb/day										lb/day					
Off-Road	2.3364	18.0187	21.3777	0.0330		1.0049	1.0049		0.9718	0.9718	3,062.137	3,062.137	0.5403			3,075.645
Total	2.3364	18.0187	21.3777	0.0330		1.0049	1.0049		0.9718	0.9718	3,062.137	3,062.137	0.5403			3,075.645

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2065	6.1660	1.7890	0.0168	0.4396	0.0139	0.4534	0.1265	0.0132	0.1398	1,790.335	1,790.335	0.1102			1,793.090
Worker	2.4380	1.7187	19.2477	0.0577	6.0209	0.0478	6.0687	1.5966	0.0440	1.6406	5,746.431	5,746.431	0.1669			5,750.604
Total	2.6445	7.8846	21.0368	0.0744	6.4604	0.0616	6.5221	1.7231	0.0573	1.7804	7,536.766	7,536.766	0.2771			7,543.690

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	lb/day										lb/day					
Off-Road	0.4289	5.0164	21.4927	0.0330		0.0458	0.0458		0.0458	0.0458	0.0000	3,062.137	3,062.137	0.5403		3,075.645
Total	0.4289	5.0164	21.4927	0.0330		0.0458	0.0458		0.0458	0.0458	0.0000	3,062.137	3,062.137	0.5403		3,075.645

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	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000
Vendor	0.2065	6.1660	1.7890	0.0168	0.4396	0.0139	0.4534	0.1265	0.0132	0.1398		1,790.335 4	1,790.335 4	0.1102		1,793.090 5
Worker	2.4380	1.7187	19.2477	0.0577	6.0209	0.0478	6.0687	1.5966	0.0440	1.6406		5,746.431 1	5,746.431 1	0.1669		5,750.604 4
Total	2.6445	7.8846	21.0368	0.0744	6.4604	0.0616	6.5221	1.7231	0.0573	1.7804		7,536.766 4	7,536.766 4	0.2771		7,543.695 0

3.6 Building Construction (Bldg A, Parking Structure) - 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	lb/day										lb/day						
Off-Road	2.1383	16.6004	21.2395	0.0330			0.8565	0.8565		0.8292	0.8292		3,062.813 7	3,062.813 7	0.5314		3,076.097 4
Total	2.1383	16.6004	21.2395	0.0330			0.8565	0.8565		0.8292	0.8292		3,062.813 7	3,062.813 7	0.5314		3,076.097 4

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.1940	5.8466	1.6953	0.0166	0.4396	0.0121	0.4517	0.1265	0.0116	0.1381		1,774.402 1	1,774.402 1	0.1065		1,777.065 0
Worker	2.2927	1.5529	17.7385	0.0556	6.0209	0.0463	6.0672	1.5966	0.0426	1.6392		5,544.427 2	5,544.427 2	0.1508		5,548.196 5
Total	2.4867	7.3996	19.4338	0.0722	6.4605	0.0584	6.5189	1.7231	0.0542	1.7773		7,318.829 2	7,318.829 2	0.2573		7,325.261 5

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	lb/day										lb/day							
Off-Road	0.4289	5.0164	21.4927	0.0330			0.0458	0.0458		0.0458	0.0458		0.0000 7	3,062.813 7	3,062.813 7	0.5314		3,076.097 4
Total	0.4289	5.0164	21.4927	0.0330			0.0458	0.0458		0.0458	0.0458		0.0000 7	3,062.813 7	3,062.813 7	0.5314		3,076.097 4

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	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000
Vendor	0.1940	5.8466	1.6953	0.0166	0.4396	0.0121	0.4517	0.1265	0.0116	0.1381		1,774.402	1,774.402	0.1065		1,777.065
Worker	2.2927	1.5529	17.7385	0.0556	6.0209	0.0463	6.0672	1.5966	0.0426	1.6392		5,544.427	5,544.427	0.1508		5,548.196
Total	2.4867	7.3996	19.4338	0.0722	6.4605	0.0584	6.5189	1.7231	0.0542	1.7773		7,318.829	7,318.829	0.2573		7,325.261

3.6 Building Construction (Bldg A, Parking Structure) - 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	lb/day										lb/day					
Off-Road	1.9836	15.4940	21.1554	0.0330		0.7369	0.7369		0.7138	0.7138	3,063.488	3,063.488	0.5199		3,076.487	
Total	1.9836	15.4940	21.1554	0.0330		0.7369	0.7369		0.7138	0.7138	3,063.488	3,063.488	0.5199		3,076.487	

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.1436	4.3713	1.5080	0.0161	0.4396	5.7100e-003	0.4453	0.1265	5.4600e-003	0.1320	1,719.951	1,719.951	0.0944		1,722.310	
Worker	2.1627	1.4051	16.3129	0.0536	6.0209	0.0450	6.0658	1.5966	0.0414	1.6380	5,341.536	5,341.536	0.1358		5,344.931	
Total	2.3063	5.7764	17.8209	0.0696	6.4605	0.0507	6.5111	1.7231	0.0469	1.7700	7,061.487	7,061.487	0.2302		7,067.241	

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	lb/day										lb/day					
Off-Road	0.4289	5.0164	21.4927	0.0330		0.0458	0.0458		0.0458	0.0458	0.0000	3,063.488	3,063.488	0.5199		3,076.487
Total	0.4289	5.0164	21.4927	0.0330		0.0458	0.0458		0.0458	0.0458	0.0000	3,063.488	3,063.488	0.5199		3,076.487

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	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1436	4.3713	1.5080	0.0161	0.4396	5.7100e-003	0.4453	0.1265	5.4600e-003	0.1320	1,719.951 3	1,719.951 3	0.0944		1,722.310 3
Worker	2.1627	1.4051	16.3129	0.0536	6.0209	0.0450	6.0658	1.5966	0.0414	1.6380	5,341.536 4	5,341.536 4	0.1358		5,344.931 5
Total	2.3063	5.7764	17.8209	0.0696	6.4605	0.0507	6.5111	1.7231	0.0469	1.7700	7,061.487 6	7,061.487 6	0.2302		7,067.241 8

3.6 Building Construction (Bldg A, Parking Structure) - 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	lb/day										lb/day					
Off-Road	1.8638	14.6745	21.1179	0.0330		0.6422	0.6422		0.6220	0.6220	3,063.869 3	3,063.869 3	0.5134		3,076.704 3	
Total	1.8638	14.6745	21.1179	0.0330		0.6422	0.6422		0.6220	0.6220	3,063.869 3	3,063.869 3	0.5134		3,076.704 3	

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.1403	4.3559	1.4645	0.0160	0.4396	5.6200e-003	0.4452	0.1266	5.3700e-003	0.1319	1,713.555 4	1,713.555 4	0.0931		1,715.882 0	
Worker	2.0550	1.2816	15.1956	0.0519	6.0209	0.0443	6.0652	1.5966	0.0408	1.6374	5,175.934 1	5,175.934 1	0.1245		5,179.046 5	
Total	2.1953	5.6375	16.6601	0.0679	6.4605	0.0499	6.5104	1.7231	0.0462	1.7693	6,889.489 5	6,889.489 5	0.2176		6,894.928 5	

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	lb/day										lb/day					
Off-Road	0.4289	5.0164	21.4927	0.0330		0.0458	0.0458		0.0458	0.0458	0.0000 3	3,063.869 3	3,063.869 3	0.5134		3,076.704 3
Total	0.4289	5.0164	21.4927	0.0330		0.0458	0.0458		0.0458	0.0458	0.0000 3	3,063.869 3	3,063.869 3	0.5134		3,076.704 3

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	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000
Vendor	0.1403	4.3559	1.4645	0.0160	0.4396	5.6200e-003	0.4452	0.1266	5.3700e-003	0.1319		1,713.5554	1,713.5554	0.0931		1,715.8820
Worker	2.0550	1.2816	15.1956	0.0519	6.0209	0.0443	6.0652	1.5966	0.0408	1.6374		5,175.9341	5,175.9341	0.1245		5,179.0465
Total	2.1953	5.6375	16.6601	0.0679	6.4605	0.0499	6.5104	1.7231	0.0462	1.7693		6,889.4895	6,889.4895	0.2176		6,894.9285

3.7 Mat Foundation (Subterreanen Parking Structure) - 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	lb/day										lb/day					
Off-Road	6.2500	49.7477	56.5460	0.0988		2.6748	2.6748		2.6569	2.6569	9,099.3794	9,099.3794	0.7194		9,117.3652	
Total	6.2500	49.7477	56.5460	0.0988		2.6748	2.6748		2.6569	2.6569	9,099.3794	9,099.3794	0.7194		9,117.3652	

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	5.1127	185.3812	41.1007	0.4117	7.9437	0.4126	8.3562	2.1788	0.3947	2.5735	44,639.3323	44,639.3323	3.9198		44,737.3277	
Worker	0.3657	0.2578	2.8872	8.6500e-003	0.9031	7.1700e-003	0.9103	0.2395	6.6000e-003	0.2461	861.9647	861.9647	0.0250		862.5907	
Total	5.4784	185.6390	43.9879	0.4203	8.8468	0.4197	9.2665	2.4183	0.4013	2.8196	45,501.2970	45,501.2970	3.9449		45,599.84	

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	lb/day										lb/day					
Off-Road	0.9529	5.7576	56.3542	0.0988		0.1212	0.1212		0.1212	0.1212	0.0000	9,099.3794	9,099.3794	0.7194		9,117.3651
Total	0.9529	5.7576	56.3542	0.0988		0.1212	0.1212		0.1212	0.1212	0.0000	9,099.3794	9,099.3794	0.7194		9,117.3651

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	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.1127	185.3812	41.1007	0.4117	7.9437	0.4126	8.3562	2.1788	0.3947	2.5735	44,639.33 23	44,639.33 23	3.9198		44,737.32 77
Worker	0.3657	0.2578	2.8872	8.6500e-003	0.9031	7.1700e-003	0.9103	0.2395	6.6000e-003	0.2461	861.9647	861.9647	0.0250		862.5907
Total	5.4784	185.6390	43.9879	0.4203	8.8468	0.4197	9.2665	2.4183	0.4013	2.8196	45,501.29 70	45,501.29 70	3.9449		45,599.91 84

3.8 Building Construction (Subterreanen Parking Structure) -

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	lb/day										lb/day					
Off-Road	1.9560	14.8087	17.6371	0.0264		0.8273	0.8273		0.7942	0.7942	2,439.101 4	2,439.101 4	0.5064		2,451.760 4	
Total	1.9560	14.8087	17.6371	0.0264		0.8273	0.8273		0.7942	0.7942	2,439.101 4	2,439.101 4	0.5064		2,451.760 4	

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.2065	6.1660	1.7890	0.0168	0.4396	0.0139	0.4534	0.1265	0.0132	0.1398	1,790.335 4	1,790.335 4	0.1102		1,793.090 5	
Worker	2.4380	1.7187	19.2477	0.0577	6.0209	0.0478	6.0687	1.5966	0.0440	1.6406	5,746.431 1	5,746.431 1	0.1669		5,750.604 4	
Total	2.6445	7.8846	21.0368	0.0744	6.4604	0.0616	6.5221	1.7231	0.0573	1.7804	7,536.766 4	7,536.766 4	0.2771		7,543.695 0	

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	lb/day										lb/day					
Off-Road	0.3632	4.7313	17.4363	0.0264		0.0371	0.0371		0.0371	0.0371	0.0000	2,439.101 4	2,439.101 4	0.5064		2,451.760 4
Total	0.3632	4.7313	17.4363	0.0264		0.0371	0.0371		0.0371	0.0371	0.0000	2,439.101 4	2,439.101 4	0.5064		2,451.760 4

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	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000
Vendor	0.2065	6.1660	1.7890	0.0168	0.4396	0.0139	0.4534	0.1265	0.0132	0.1398		1,790.335 4	1,790.335 4	0.1102		1,793.090 5
Worker	2.4380	1.7187	19.2477	0.0577	6.0209	0.0478	6.0687	1.5966	0.0440	1.6406		5,746.431 1	5,746.431 1	0.1669		5,750.604 4
Total	2.6445	7.8846	21.0368	0.0744	6.4604	0.0616	6.5221	1.7231	0.0573	1.7804		7,536.766 4	7,536.766 4	0.2771		7,543.695 0

3.8 Building Construction (Subterreanen Parking Structure) -

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	lb/day										lb/day					
Off-Road	1.7864	13.6316	17.5077	0.0264		0.7008	0.7008		0.6735	0.6735		2,439.779 2	2,439.779 2	0.4996		2,452.268 0
Total	1.7864	13.6316	17.5077	0.0264		0.7008	0.7008		0.6735	0.6735		2,439.779 2	2,439.779 2	0.4996		2,452.268 0

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.1940	5.8466	1.6953	0.0166	0.4396	0.0121	0.4517	0.1265	0.0116	0.1381		1,774.402 1	1,774.402 1	0.1065		1,777.065 0
Worker	2.2927	1.5529	17.7385	0.0556	6.0209	0.0463	6.0672	1.5966	0.0426	1.6392		5,544.427 2	5,544.427 2	0.1508		5,548.196 5
Total	2.4867	7.3996	19.4338	0.0722	6.4605	0.0584	6.5189	1.7231	0.0542	1.7773		7,318.829 2	7,318.829 2	0.2573		7,325.261 5

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	lb/day										lb/day						
Off-Road	0.3632	4.7313	17.4363	0.0264		0.0371	0.0371		0.0371	0.0371		0.0000 2	2,439.779 2	2,439.779 2	0.4996		2,452.268 0
Total	0.3632	4.7313	17.4363	0.0264		0.0371	0.0371		0.0371	0.0371		0.0000 2	2,439.779 2	2,439.779 2	0.4996		2,452.268 0

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	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1940	5.8466	1.6953	0.0166	0.4396	0.0121	0.4517	0.1265	0.0116	0.1381	1,774.402	1,774.402	0.1065	1,777.065	0
Worker	2.2927	1.5529	17.7385	0.0556	6.0209	0.0463	6.0672	1.5966	0.0426	1.6392	5,544.427	5,544.427	0.1508	5,548.196	5
Total	2.4867	7.3996	19.4338	0.0722	6.4605	0.0584	6.5189	1.7231	0.0542	1.7773	7,318.829	7,318.829	0.2573	7,325.261	5

3.9 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	12.5740						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
Off-Road	0.4820	3.2501	4.8270	7.9200e-003			0.1624	0.1624		0.1624	0.1624		750.5281	750.5281	0.0423	751.5847
Total	13.0561	3.2501	4.8270	7.9200e-003			0.1624	0.1624		0.1624	0.1624		750.5281	750.5281	0.0423	751.5847

Unmitigated Construction Off-Site

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	lb/day										lb/day					
Archit. Coating	12.5740						0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Off-Road	0.0792	0.3434	4.8864	7.9200e-003			0.0106	0.0106		0.0106	0.0106	0.0000	750.5281	750.5281	0.0423	751.5847
Total	12.6533	0.3434	4.8864	7.9200e-003			0.0106	0.0106		0.0106	0.0106	0.0000	750.5281	750.5281	0.0423	751.5847

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	lb/day										lb/day					

Hauling	0.0000	0.0000	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
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
Total	0.0000		0.0000	0.0000	0.0000	0.0000								

3.9 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	12.5740						0.0000	0.0000		0.0000			0.0000			0.0000
Off-Road	0.4556	3.0547	4.8244	7.9200e-003		0.1374	0.1374		0.1374	0.1374		750.5281	750.5281	0.0409		751.5516
Total	13.0297	3.0547	4.8244	7.9200e-003		0.1374	0.1374		0.1374	0.1374		750.5281	750.5281	0.0409		751.5516

Unmitigated Construction Off-Site

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	lb/day										lb/day						
Archit. Coating	12.5740						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.0792	0.3434	4.8864	7.9200e-003		0.0106	0.0106		0.0106	0.0106	0.0000	750.5281	750.5281	0.0409		751.5516	
Total	12.6533	0.3434	4.8864	7.9200e-003		0.0106	0.0106		0.0106	0.0106	0.0000	750.5281	750.5281	0.0409		751.5516	

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	lb/day										lb/day					

Hauling	0.0000	0.0000	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
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
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

3.10 Grading (Bldg B and C) - 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	lb/day										lb/day					
Fugitive Dust					0.2543	0.0000	0.2543	0.0385	0.0000	0.0385			0.0000		0.0000	
Off-Road	1.6499	15.6367	18.1838	0.0456		0.6516	0.6516		0.5995	0.5995	4,416.703 7	4,416.703 7	1.4285		4,452.415 0	
Total	1.6499	15.6367	18.1838	0.0456	0.2543	0.6516	0.9059	0.0385	0.5995	0.6380	4,416.703 7	4,416.703 7	1.4285		4,452.415 0	

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	lb/day										lb/day					
Hauling	2.0081	58.8151	22.5126	0.2756	6.2137	0.1167	6.3304	1.7218	0.1116	1.8334	30,047.41 81	30,047.41 81	2.0243		30,098.42 45	
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	
Worker	0.3083	0.1922	2.2793	7.7900e-003	0.9031	6.6500e-003	0.9098	0.2395	6.1200e-003	0.2456		776.3901	776.3901	0.0187		776.8570
Total	2.3163	59.0073	24.7920	0.2834	7.1169	0.1233	7.2402	1.9613	0.1177	2.0791	30,823.80 83	30,823.80 83	2.0429		30,874.88 15	

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	lb/day										lb/day					
Fugitive Dust					0.0992	0.0000	0.0992	0.0150	0.0000	0.0150			0.0000		0.0000	
Off-Road	0.5610	2.4308	25.6441	0.0456		0.0748	0.0748		0.0748	0.0748	0.0000	4,416.703 7	4,416.703 7	1.4285		4,452.415 0
Total	0.5610	2.4308	25.6441	0.0456	0.0992	0.0748	0.1740	0.0150	0.0748	0.0898	0.0000	4,416.703 7	4,416.703 7	1.4285		4,452.415 0

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	lb/day										lb/day					

Hauling	2.0081	58.8151	22.5126	0.2756	6.2137	0.1167	6.3304	1.7218	0.1116	1.8334		30,047.41	30,047.41	2.0243		30,098.02
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
Worker	0.3083	0.1922	2.2793	7.7900e-003	0.9031	6.6500e-003	0.9098	0.2395	6.1200e-003	0.2456		776.3901	776.3901	0.0187		776.8570
Total	2.3163	59.0073	24.7920	0.2834	7.1169	0.1233	7.2402	1.9613	0.1177	2.0791		30,823.80	30,823.80	2.0429		30,874.88
												83	83			15

3.11 Matt Foundation (Bldg B and C) - 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	lb/day										lb/day						
Off-Road	5.1351	41.0186	56.1365	0.0988		1.8073	1.8073		1.7966	1.7966		9,101.099	9,101.099	0.6294		9,116.833	
Total	5.1351	41.0186	56.1365	0.0988		1.8073	1.8073		1.7966	1.7966		9,101.099	9,101.099	0.6294		9,116.833	

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1466	66.6446	22.4072	0.2447	6.7259	0.0860	6.8119	1.9362	0.0822	2.0184	26,217.39	26,217.39	1.4239	26,252.99	47	
Worker	0.3083	0.1922	2.2793	7.7900e-003	0.9031	6.6500e-003	0.9098	0.2395	6.1200e-003	0.2456	776.3901	776.3901	0.0187	776.8570		
Total	2.4548	66.8368	24.6866	0.2525	7.6290	0.0927	7.7217	2.1757	0.0884	2.2640	26,993.78	26,993.78	1.4426		27,029.85	17

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	lb/day										lb/day						
Off-Road	0.9529	5.7576	56.3542	0.0988		0.1212	0.1212		0.1212	0.1212	0.0000	9,101.0996	9,101.0996	0.6294		9,116.8339	
Total	0.9529	5.7576	56.3542	0.0988		0.1212	0.1212		0.1212	0.1212	0.0000	9,101.0996	9,101.0996	0.6294		9,116.8339	

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	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	2.1466	66.6446	22.4072	0.2447	6.7259	0.0860	6.8119	1.9362	0.0822	2.0184	26,217.39	26,217.39	1.4239	26,252.99	47	
Worker	0.3083	0.1922	2.2793	7.7900e-003	0.9031	6.6500e-003	0.9098	0.2395	6.1200e-003	0.2456	776.3901	776.3901	0.0187	776.8570		
Total	2.4548	66.8368	24.6866	0.2525	7.6290	0.0927	7.7217	2.1757	0.0884	2.2640	26,993.78	26,993.78	1.4426		27,029.85	17

3.12 Building Construction (Bldg B and C) - 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	lb/day										lb/day						
Off-Road	1.7073	13.4999	19.3523	0.0302		0.5850	0.5850		0.5661	0.5661		2,800.795	2,800.795	0.4784		2,812.756	
Total	1.7073	13.4999	19.3523	0.0302		0.5850	0.5850		0.5661	0.5661		2,800.795	2,800.795	0.4784		2,812.756	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.1686	6.5416	1.8696	0.0202	0.4152	8.1000e-003	0.4233	0.1139	7.7400e-003	0.1216	2,196.204	2,196.204	0.1745	2,200.566	9		
Worker	2.0550	1.2816	15.1956	0.0519	6.0209	0.0443	6.0652	1.5966	0.0408	1.6374	5,175.934	5,175.934	0.1245	5,179.046	5		
Total	2.2236	7.8233	17.0652	0.0721	6.4361	0.0524	6.4885	1.7105	0.0485	1.7590	7,372.138	7,372.138	0.2990		7,379.613	4	

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	lb/day										lb/day						
Off-Road	0.3996	4.8894	19.6856	0.0302		0.0419	0.0419		0.0419	0.0419	0.0000	2,800.795	2,800.795	0.4784		2,812.756	
Total	0.3996	4.8894	19.6856	0.0302		0.0419	0.0419		0.0419	0.0419	0.0000	2,800.795	2,800.795	0.4784		2,812.756	

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	lb/day										lb/day					

3.12 Building Construction (Bldg B and C) - 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	lb/day										lb/day						
Off-Road	1.5993	12.7837	19.2968	0.0302		0.5001	0.5001		0.4841	0.4841		2,801.301	2,801.301	0.4725		2,813.113	
Total	1.5993	12.7837	19.2968	0.0302		0.5001	0.5001		0.4841	0.4841		2,801.301	2,801.301	0.4725		2,813.113	

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	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.1670	6.4624	1.8763	0.0200	0.4153	7.9000e-003	0.4232	0.1139	7.5500e-003	0.1215	2,182.210	2,182.210	0.1727	2,186.527	1	1	6
Worker	1.9599	1.1729	14.1049	0.0499	6.0209	0.0434	6.0643	1.5966	0.0399	1.6365	4,975.531	4,975.531	0.1135	4,978.369	3	3	1
Total	2.1269	7.6353	15.9812	0.0699	6.4361	0.0513	6.4874	1.7105	0.0475	1.7580	7,157.741	7,157.741	0.2862			7,164.896	6

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	lb/day										lb/day					
Off-Road	0.3996	4.8894	19.6856	0.0302		0.0419	0.0419		0.0419	0.0419	0.0000	2,801.301	2,801.301	0.4725		2,813.113
Total	0.3996	4.8894	19.6856	0.0302		0.0419	0.0419		0.0419	0.0419	0.0000	2,801.301	2,801.301	0.4725		2,813.113

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	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000
Vendor	0.1670	6.4624	1.8763	0.0200	0.4153	7.9000e-003	0.4232	0.1139	7.5500e-003	0.1215		2,182.210	2,182.210	0.1727		2,186.527
Worker	1.9599	1.1729	14.1049	0.0499	6.0209	0.0434	6.0643	1.5966	0.0399	1.6365		4,975.531	4,975.531	0.1135		4,978.369
Total	2.1269	7.6353	15.9812	0.0699	6.4361	0.0513	6.4874	1.7105	0.0475	1.7580		7,157.741	7,157.741	0.2862		7,164.896
												4	4			6

Sunset Gower Studios (Localized Construction) - Los Angeles-South Coast County, Winter

Sunset Gower Studios (Localized Construction)
Los Angeles-South Coast County, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	599.35	1000sqft	15.90	599,350.00	0
Industrial Park	26.17	1000sqft	0.00	26,170.00	0
Enclosed Parking with Elevator	985.00	Space	0.00	394,000.00	0
Unenclosed Parking Structure	354.00	Space	0.00	141,600.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2028
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	570	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP RPS Value for 2028

Land Use - Site Specific

Construction Phase - Site Specific

Off-road Equipment - Site Specific

Trips and VMT - Site Specific

On-road Fugitive Dust - Site Specific

Demolition -

Grading -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	5
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	15.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
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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	473.00
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tblConstructionPhase	NumDays	300.00	695.00
tblConstructionPhase	NumDays	300.00	260.00
tblConstructionPhase	NumDays	20.00	83.00
tblConstructionPhase	NumDays	30.00	65.00
tblConstructionPhase	NumDays	30.00	54.00
tblConstructionPhase	NumDays	30.00	7.00
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tblGrading	MaterialExported	0.00	119,197.00
tblGrading	MaterialExported	0.00	15,740.00
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tblLandUse	LotAcreage	0.60	0.00
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tblLandUse	LotAcreage	3.19	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
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tblOffRoadEquipment	UsageHours	7.00	8.00
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tblOnRoadDust	VendorPercentPave	100.00	75.00
tblOnRoadDust	VendorPercentPave	100.00	75.00
tblOnRoadDust	VendorPercentPave	100.00	75.00
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tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripNumber	731.00	0.00
tblTripsAndVMT	HaulingTripNumber	17,953.00	0.00
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tblTripsAndVMT	HaulingTripNumber	1,968.00	0.00

tblTripsAndVMT	VendorTripLength	7.90	20.00
tblTripsAndVMT	VendorTripLength	7.90	230.00
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tblTripsAndVMT	VendorTripLength	7.90	287.00
tblTripsAndVMT	VendorTripLength	7.90	30.00
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tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
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tblTripsAndVMT	WorkerTripNumber	28.00	0.00
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2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2021	8.6940	70.6989	78.7403	0.1424	41.4370	3.6918	45.1289	4.1601	3.6403	7.8004	0.0000	13,320.53	13,320.534	2.0582	0.0000	13,353.68

2022	3.9417	30.6639	38.8779	0.0612	7.8458	1.5587	9.4044	0.7889	1.5041	2.2929	0.0000	5,697.713 8	5,697.7138 8	1.0393	0.0000	5,723.696 8
2023	1.9897	15.6357	21.2141	0.0339	3.9229	0.7372	4.6601	0.3944	0.7141	1.1086	0.0000	3,158.271 8	3,158.2718 8	0.5239	0.0000	3,171.368 4
2024	18.2307	45.0319	61.3229	0.1132	30.0753	1.9720	32.0473	3.0239	1.9613	4.9852	0.0000	10,543.08 88	10,543.088 8	2.0057	0.0000	10,560.51 42
2025	14.6363	16.0455	24.2053	0.0392	3.9214	0.6379	4.5592	0.3936	0.6218	1.0155	0.0000	3,664.206 4	3,664.2064 4	0.5209	0.0000	3,677.229 5
Maximum	18.2307	70.6989	78.7403	0.1424	41.4370	3.6918	45.1289	4.1601	3.6403	7.8004	0.0000	13,320.53 40	13,320.534 0	2.0582	0.0000	13,353.68 12

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	lb/day										lb/day					
2021	1.4895	13.7065	78.6635	0.1424	6.8198	0.1792	6.9990	0.7192	0.1787	0.8979	0.0000	13,320.53 40	13,320.534 0	2.0582	0.0000	13,353.68 12
2022	0.8091	10.1797	39.0597	0.0612	1.2936	0.0843	1.3779	0.1376	0.0843	0.2218	0.0000	5,697.713 8	5,697.7138 8	0.5239	0.0000	5,723.696 8
2023	0.4351	5.1581	21.5514	0.0339	0.6468	0.0462	0.6930	0.0688	0.0461	0.1149	0.0000	3,158.271 8	3,158.2718 8	0.5239	0.0000	3,171.368 4
2024	13.6669	8.3664	61.6001	0.1132	4.9587	0.1341	5.0928	0.5273	0.1340	0.6613	0.0000	10,543.08 88	10,543.088 8	2.0057	0.0000	10,560.51 41
2025	13.0603	5.4398	24.6562	0.0392	0.6453	0.0529	0.6982	0.0680	0.0529	0.1209	0.0000	3,664.206 4	3,664.2064 4	0.5209	0.0000	3,677.229 5
Maximum	13.6669	13.7065	78.6635	0.1424	6.8198	0.1792	6.9990	0.7192	0.1787	0.8979	0.0000	13,320.53 40	13,320.534 0	2.0582	0.0000	13,353.68 12

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	37.97	75.94	-0.52	0.00	83.53	94.22	84.49	82.64	94.12	88.28	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 (Total)	Demolition	1/1/2021	4/24/2021	5	83	
2	Grading (Bldg A, Parking Structure)	Grading	4/25/2021	7/24/2021	5	65	
3	Mat Foundation (Bldg A, Parking Structure)	Trenching	7/25/2021	8/7/2021	5	10	
4	Grading (Subterrean Parking Structure)	Grading	8/8/2021	10/22/2021	5	54	
5	Building Construction (Bldg A, Parking Structure)	Building Construction	8/8/2021	4/7/2024	5	695	
6	Mat Foundation (Subterrean Parking Structure)	Trenching	10/23/2021	11/5/2021	5	10	
7	Building Construction (Subterrean Parking Structure)	Building Construction	11/6/2021	11/4/2022	5	260	
8	Architectural Coating	Architectural Coating	1/1/2024	10/24/2025	5	473	
9	Grading (Bldg B and C)	Grading	4/1/2024	4/10/2024	5	7	
10	Matt Foundation (Bldg B and C)	Trenching	4/11/2024	4/23/2024	5	10	
11	Building Construction (Bldg B and C)	Building Construction	4/24/2024	10/24/2025	5	392	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 938,280; Non-Residential Outdoor: 312,760; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition (Total)	Aerial Lifts	2	8.00	63	0.31
Demolition (Total)	Air Compressors	2	8.00	78	0.48
Demolition (Total)	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition (Total)	Excavators	1	8.00	158	0.38
Demolition (Total)	Rubber Tired Dozers	1	8.00	247	0.40
Demolition (Total)	Skid Steer Loaders	1	8.00	65	0.37
Demolition (Total)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading (Bldg A, Parking Structure)	Air Compressors	1	8.00	78	0.48
Grading (Bldg A, Parking Structure)	Bore/Drill Rigs	2	8.00	221	0.50
Grading (Bldg A, Parking Structure)	Cranes	2	8.00	231	0.29
Grading (Bldg A, Parking Structure)	Excavators	2	8.00	158	0.38
Grading (Bldg A, Parking Structure)	Graders	0	8.00	187	0.41
Grading (Bldg A, Parking Structure)	Rubber Tired Dozers	0	8.00	247	0.40
Grading (Bldg A, Parking Structure)	Scrapers	0	8.00	367	0.48
Grading (Bldg A, Parking Structure)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Mat Foundation (Bldg A, Parking Structure)	Cement and Mortar Mixers	4	24.00	9	0.56
Mat Foundation (Bldg A, Parking Structure)	Pumps	4	24.00	84	0.74
Mat Foundation (Bldg A, Parking Structure)	Tractors/Loaders/Backhoes	1	16.00	97	0.37
Mat Foundation (Bldg A, Parking Structure)	Welders	2	8.00	46	0.45
Grading (Subterreanen Parking Structure)	Air Compressors	1	8.00	78	0.48
Grading (Subterreanen Parking Structure)	Bore/Drill Rigs	2	8.00	221	0.50
Grading (Subterreanen Parking Structure)	Cranes	2	8.00	231	0.29
Grading (Subterreanen Parking Structure)	Excavators	2	8.00	158	0.38
Grading (Subterreanen Parking Structure)	Graders	0	8.00	187	0.41
Grading (Subterreanen Parking Structure)	Rubber Tired Dozers	0	8.00	247	0.40
Grading (Subterreanen Parking Structure)	Rubber Tired Loaders	0	8.00	203	0.36
Grading (Subterreanen Parking Structure)	Scrapers	0	8.00	367	0.48
Grading (Subterreanen Parking Structure)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction (Bldg A, Parking Structure)	Aerial Lifts	2	8.00	63	0.31
Building Construction (Bldg A, Parking Structure)	Air Compressors	2	8.00	78	0.48
Building Construction (Bldg A, Parking Structure)	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction (Bldg A, Parking Structure)	Cranes	0	7.00	231	0.29
Building Construction (Bldg A, Parking Structure)	Forklifts	2	8.00	89	0.20
Building Construction (Bldg A, Parking Structure)	Generator Sets	0	8.00	84	0.74
Building Construction (Bldg A, Parking Structure)	Pumps	1	8.00	84	0.74
Building Construction (Bldg A, Parking Structure)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction (Bldg A, Parking Structure)	Welders	2	8.00	46	0.45
Mat Foundation (Subterreanen Parking Structure)	Cement and Mortar Mixers	4	24.00	9	0.56
Mat Foundation (Subterreanen Parking Structure)	Pumps	4	24.00	84	0.74
Mat Foundation (Subterreanen Parking Structure)	Tractors/Loaders/Backhoes	1	16.00	97	0.37
Mat Foundation (Subterreanen Parking Structure)	Welders	2	8.00	46	0.45
Building Construction (Subterreanen Parking Structure)	Aerial Lifts	2	8.00	63	0.31
Building Construction (Subterreanen Parking Structure)	Air Compressors	2	8.00	78	0.48
Building Construction (Subterreanen Parking Structure)	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction (Subterreanen Parking Structure)	Cranes	0	7.00	231	0.29
Building Construction (Subterreanen Parking Structure)	Forklifts	2	8.00	89	0.20
Building Construction (Subterreanen Parking Structure)	Generator Sets	0	8.00	84	0.74
Building Construction (Subterreanen Parking Structure)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction (Subterreanen Parking Structure)	Welders	2	8.00	46	0.45

Architectural Coating	Air Compressors	2	8.00	78	0.48
Grading (Bldg B and C)	Bore/Drill Rigs	2	8.00	221	0.50
Grading (Bldg B and C)	Cranes	2	7.00	231	0.29
Grading (Bldg B and C)	Excavators	2	8.00	158	0.38
Grading (Bldg B and C)	Forklifts	0	8.00	89	0.20
Grading (Bldg B and C)	Generator Sets	0	8.00	84	0.74
Grading (Bldg B and C)	Graders	0	8.00	187	0.41
Grading (Bldg B and C)	Rubber Tired Dozers	0	8.00	247	0.40
Grading (Bldg B and C)	Rubber Tired Loaders	0	8.00	203	0.36
Grading (Bldg B and C)	Scrapers	0	8.00	367	0.48
Grading (Bldg B and C)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading (Bldg B and C)	Welders	0	8.00	46	0.45
Matt Foundation (Bldg B and C)	Cement and Mortar Mixers	4	24.00	9	0.56
Matt Foundation (Bldg B and C)	Pumps	4	24.00	84	0.74
Matt Foundation (Bldg B and C)	Tractors/Loaders/Backhoes	1	16.00	97	0.37
Matt Foundation (Bldg B and C)	Welders	2	8.00	46	0.45
Building Construction (Bldg B and C)	Aerial Lifts	2	8.00	63	0.31
Building Construction (Bldg B and C)	Air Compressors	2	6.00	78	0.48
Building Construction (Bldg B and C)	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction (Bldg B and C)	Cranes	0	7.00	231	0.29
Building Construction (Bldg B and C)	Excavators	0	8.00	158	0.38
Building Construction (Bldg B and C)	Forklifts	2	8.00	89	0.20
Building Construction (Bldg B and C)	Generator Sets	0	8.00	84	0.74
Building Construction (Bldg B and C)	Pumps	1	8.00	84	0.74
Building Construction (Bldg B and C)	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction (Bldg B and C)	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction (Bldg B and C)	Welders	2	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
Demolition (Total)	11	0.00	1.00	0.00	19.80	20.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading (Bldg A, Parking Structure)	9	0.00	1.00	0.00	19.80	79.00	20.00	LD_Mix	HHDT	HHDT
Mat Foundation (Bldg A, Parking Structure)	11	0.00	1.00	0.00	19.80	208.00	20.00	LD_Mix	HHDT	HHDT
Grading (Subterreanen, Parking Structure)	9	0.00	1.00	0.00	19.80	79.00	20.00	LD_Mix	HHDT	HHDT
Building Construction (Bldg A, Parking)	12	0.00	1.00	0.00	19.80	30.00	20.00	LD_Mix	HDT_Mix	HHDT
Mat Foundation (Subterreanen, Parking)	11	0.00	1.00	0.00	19.80	287.00	20.00	LD_Mix	HHDT	HHDT
Building Construction (Subterreanen, Parking)	11	0.00	1.00	0.00	19.80	30.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	0.00	0.00	0.00	19.80	0.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading (Bldg B and C)	8	0.00	1.00	0.00	19.80	79.00	20.00	LD_Mix	HHDT	HHDT
Matt Foundation (Bldg B and C)	11	0.00	1.00	0.00	19.80	230.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction (Bldg B and C)	12	0.00	1.00	0.00	19.80	30.00	20.00	LD_Mix	HHDT	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition (Total) - 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	lb/day											lb/day					
Fugitive Dust					1.9048	0.0000	1.9048	0.2884	0.0000	0.2884			0.0000			0.0000	
Off-Road	3.1539	29.2684	27.6030	0.0458		1.5214	1.5214		1.4474	1.4474		4,390.6398	4,390.6398	0.9143			4,413.4963
Total	3.1539	29.2684	27.6030	0.0458	1.9048	1.5214	3.4262	0.2884	1.4474	1.7358		4,390.6398	4,390.6398	0.9143			4,413.4963

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	6.4700e-003	0.1739	0.0509	6.3000e-004	2.6153	5.4000e-004	2.6158	0.2630	5.2000e-004	0.2635		67.4018	67.4018	3.1800e-003			67.4813
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	
Total	6.4700e-003	0.1739	0.0509	6.3000e-004	2.6153	5.4000e-004	2.6158	0.2630	5.2000e-004	0.2635		67.4018	67.4018	3.1800e-003			67.4813

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	lb/day											lb/day					
Fugitive Dust					0.7429	0.0000	0.7429	0.1125	0.0000	0.1125			0.0000			0.0000	
Off-Road	0.5820	4.9930	29.1578	0.0458		0.0687	0.0687		0.0687	0.0687	0.0000	4,390.6398	4,390.6398	0.9143			4,413.4963
Total	0.5820	4.9930	29.1578	0.0458	0.7429	0.0687	0.8116	0.1125	0.0687	0.1812	0.0000	4,390.6398	4,390.6398	0.9143			4,413.4963

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	6.4700e-003	0.1739	0.0509	6.3000e-004	0.4312	5.4000e-004	0.4318	0.0459	5.2000e-004	0.0464		67.4018	67.4018	3.1800e-003			67.4813
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	
Total	6.4700e-003	0.1739	0.0509	6.3000e-004	0.4312	5.4000e-004	0.4318	0.0459	5.2000e-004	0.0464		67.4018	67.4018	3.1800e-003			67.4813

3.3 Grading (Bldg A, Parking Structure) - 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	lb/day											lb/day					
Fugitive Dust					0.2499	0.0000	0.2499	0.0378	0.0000	0.0378			0.0000			0.0000	
Off-Road	2.4669	25.8784	21.6011	0.0509		1.1349	1.1349		1.0542	1.0542		4,919.0505	4,919.0505	1.4953			4,956.4331
Total	2.4669	25.8784	21.6011	0.0509	0.2499	1.1349	1.3848	0.0378	1.0542	1.0920		4,919.0505	4,919.0505	1.4953			4,956.4331

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0285	0.8081	0.2173	2.7600e-003	10.3262	3.1600e-003	10.3294	1.0366	3.0200e-003	1.0396		299.1567	299.1567	0.0183			299.6141
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	
Total	0.0285	0.8081	0.2173	2.7600e-003	10.3262	3.1600e-003	10.3294	1.0366	3.0200e-003	1.0396		299.1567	299.1567	0.0183			299.6141

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	lb/day											lb/day					
Fugitive Dust					0.0975	0.0000	0.0975	0.0148	0.0000	0.0148			0.0000			0.0000	
Off-Road	0.6183	2.6793	28.7371	0.0509		0.0824	0.0824		0.0824	0.0824	0.0000	4,919.0505	4,919.0505	1.4953			4,956.4331
Total	0.6183	2.6793	28.7371	0.0509	0.0975	0.0824	0.1799	0.0148	0.0824	0.0972	0.0000	4,919.0505	4,919.0505	1.4953			4,956.4331

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0285	0.8081	0.2173	2.7600e-003	1.6992	3.1600e-003	1.7024	0.1790	3.0200e-003	0.1821		299.1567	299.1567	0.0183			299.6141
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	
Total	0.0285	0.8081	0.2173	2.7600e-003	1.6992	3.1600e-003	1.7024	0.1790	3.0200e-003	0.1821		299.1567	299.1567	0.0183			299.6141

3.4 Mat Foundation (Bldg A, Parking Structure) - 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	lb/day											lb/day					
Off-Road	6.2500	49.7477	56.5460	0.0988		2.6748	2.6748		2.6569	2.6569		9,099.379 4	9,099.3794	0.7194		9,117.365 2	
Total	6.2500	49.7477	56.5460	0.0988		2.6748	2.6748		2.6569	2.6569		9,099.379 4	9,099.3794	0.7194		9,117.365 2	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0720	1.9814	0.5467	7.1100e-003	27.1880	8.2400e-003	27.1962	2.7291	7.8800e-003	2.7370		771.3807	771.3807	0.0453		772.5130	
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	
Total	0.0720	1.9814	0.5467	7.1100e-003	27.1880	8.2400e-003	27.1962	2.7291	7.8800e-003	2.7370		771.3807	771.3807	0.0453		772.5130	

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	lb/day											lb/day					
Off-Road	0.9529	5.7576	56.3542	0.0988		0.1212	0.1212		0.1212	0.1212		0.0000 4	9,099.379	9,099.3794	0.7194		9,117.365 1
Total	0.9529	5.7576	56.3542	0.0988		0.1212	0.1212		0.1212	0.1212		0.0000 4	9,099.379	9,099.3794	0.7194		9,117.365 1

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0720	1.9814	0.5467	7.1100e-003	4.4738	8.2400e-003	4.4820	0.4714	7.8800e-003	0.4793		771.3807	771.3807	0.0453		772.5130	
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	
Total	0.0720	1.9814	0.5467	7.1100e-003	4.4738	8.2400e-003	4.4820	0.4714	7.8800e-003	0.4793		771.3807	771.3807	0.0453		772.5130	

3.5 Grading (Subterreanen Parking Structure) - 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	lb/day											lb/day					
Fugitive Dust					0.2496	0.0000	0.2496	0.0378	0.0000	0.0378			0.0000			0.0000	
Off-Road	2.4669	25.8784	21.6011	0.0509		1.1349	1.1349		1.0542	1.0542		4,919.0505	4,919.0505	1.4953			4,956.4331
Total	2.4669	25.8784	21.6011	0.0509	0.2496	1.1349	1.3846	0.0378	1.0542	1.0920		4,919.0505	4,919.0505	1.4953			4,956.4331

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0285	0.8081	0.2173	2.7600e-003	10.3262	3.1600e-003	10.3294	1.0366	3.0200e-003	1.0396		299.1567	299.1567	0.0183			299.6141
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	
Total	0.0285	0.8081	0.2173	2.7600e-003	10.3262	3.1600e-003	10.3294	1.0366	3.0200e-003	1.0396		299.1567	299.1567	0.0183			299.6141

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	lb/day											lb/day					
Fugitive Dust					0.0974	0.0000	0.0974	0.0147	0.0000	0.0147			0.0000			0.0000	
Off-Road	0.6183	2.6793	28.7371	0.0509		0.0824	0.0824		0.0824	0.0824	0.0000	4,919.0505	4,919.0505	1.4953			4,956.4331
Total	0.6183	2.6793	28.7371	0.0509	0.0974	0.0824	0.1798	0.0147	0.0824	0.0972	0.0000	4,919.0505	4,919.0505	1.4953			4,956.4331

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0285	0.8081	0.2173	2.7600e-003	1.6992	3.1600e-003	1.7024	0.1790	3.0200e-003	0.1821		299.1567	299.1567	0.0183			299.6141
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	
Total	0.0285	0.8081	0.2173	2.7600e-003	1.6992	3.1600e-003	1.7024	0.1790	3.0200e-003	0.1821		299.1567	299.1567	0.0183			299.6141

3.6 Building Construction (Bldg A, Parking Structure) - 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	lb/day											lb/day					
Off-Road	2.3364	18.0187	21.3777	0.0330		1.0049	1.0049		0.9718	0.9718		3,062.137	3,062.1371	0.5403		3,075.645	
Total	2.3364	18.0187	21.3777	0.0330		1.0049	1.0049		0.9718	0.9718		3,062.137	3,062.1371	0.5403		3,075.645	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	8.9800e-003	0.2327	0.0683	9.2000e-004	3.9229	8.0000e-004	3.9237	0.3944	7.7000e-004	0.3952	98.4455	98.4455	4.2900e-003		98.5527		
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	8.9800e-003	0.2327	0.0683	9.2000e-004	3.9229	8.0000e-004	3.9237	0.3944	7.7000e-004	0.3952		98.4455	98.4455	4.2900e-003		98.5527	

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	lb/day											lb/day					
Off-Road	0.4289	5.0164	21.4927	0.0330		0.0458	0.0458		0.0458	0.0458	0.0000	3,062.137	3,062.1371	0.5403		3,075.645	
Total	0.4289	5.0164	21.4927	0.0330		0.0458	0.0458		0.0458	0.0458	0.0000	3,062.137	3,062.1371	0.5403		3,075.645	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	8.9800e-003	0.2327	0.0683	9.2000e-004	0.6468	8.0000e-004	0.6476	0.0688	7.7000e-004	0.0696	98.4455	98.4455	4.2900e-003		98.5527		
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	8.9800e-003	0.2327	0.0683	9.2000e-004	0.6468	8.0000e-004	0.6476	0.0688	7.7000e-004	0.0696		98.4455	98.4455	4.2900e-003		98.5527	

3.6 Building Construction (Bldg A, Parking Structure) - 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	lb/day											lb/day					
Off-Road	2.1383	16.6004	21.2395	0.0330		0.8565	0.8565		0.8292	0.8292		3,062.813 7	3,062.8137	0.5314		3,076.097 4	
Total	2.1383	16.6004	21.2395	0.0330		0.8565	0.8565		0.8292	0.8292		3,062.813 7	3,062.8137	0.5314		3,076.097 4	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	8.4900e-003	0.2160	0.0653	9.1000e-004	3.9229	7.1000e-004	3.9236	0.3944	6.7000e-004	0.3951		97.5605	97.5605	4.2100e-003		97.6656	
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	8.4900e-003	0.2160	0.0653	9.1000e-004	3.9229	7.1000e-004	3.9236	0.3944	6.7000e-004	0.3951		97.5605	97.5605	4.2100e-003		97.6656	

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	lb/day											lb/day					
Off-Road	0.4289	5.0164	21.4927	0.0330		0.0458	0.0458		0.0458	0.0458	0.0000	3,062.813 7	3,062.8137	0.5314		3,076.097 4	
Total	0.4289	5.0164	21.4927	0.0330		0.0458	0.0458		0.0458	0.0458	0.0000	3,062.813 7	3,062.8137	0.5314		3,076.097 4	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	8.4900e-003	0.2160	0.0653	9.1000e-004	0.6468	7.1000e-004	0.6475	0.0688	6.7000e-004	0.0695		97.5605	97.5605	4.2100e-003		97.6656	
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	8.4900e-003	0.2160	0.0653	9.1000e-004	0.6468	7.1000e-004	0.6475	0.0688	6.7000e-004	0.0695		97.5605	97.5605	4.2100e-003		97.6656	

3.6 Building Construction (Bldg A, Parking Structure) - 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	lb/day											lb/day					
Off-Road	1.9836	15.4940	21.1554	0.0330		0.7369	0.7369		0.7138	0.7138		3,063.488	3,063.4888	0.5199		3,076.487	
Total	1.9836	15.4940	21.1554	0.0330		0.7369	0.7369		0.7138	0.7138		3,063.488	3,063.4888	0.5199		3,076.487	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	6.1100e-003	0.1417	0.0587	8.9000e-004	3.9229	3.2000e-004	3.9232	0.3944	3.0000e-004	0.3947	94.7829	94.7829	3.9300e-003		94.8812		
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	6.1100e-003	0.1417	0.0587	8.9000e-004	3.9229	3.2000e-004	3.9232	0.3944	3.0000e-004	0.3947		94.7829	94.7829	3.9300e-003		94.8812	

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	lb/day											lb/day					
Off-Road	0.4289	5.0164	21.4927	0.0330		0.0458	0.0458		0.0458	0.0458	0.0000	3,063.488	3,063.4888	0.5199		3,076.487	
Total	0.4289	5.0164	21.4927	0.0330		0.0458	0.0458		0.0458	0.0458	0.0000	3,063.488	3,063.4888	0.5199		3,076.487	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	6.1100e-003	0.1417	0.0587	8.9000e-004	0.6468	3.2000e-004	0.6471	0.0688	3.0000e-004	0.0691	94.7829	94.7829	3.9300e-003		94.8812		
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	6.1100e-003	0.1417	0.0587	8.9000e-004	0.6468	3.2000e-004	0.6471	0.0688	3.0000e-004	0.0691		94.7829	94.7829	3.9300e-003		94.8812	

3.6 Building Construction (Bldg A, Parking Structure) - 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	lb/day											lb/day					
Off-Road	1.8638	14.6745	21.1179	0.0330		0.6422	0.6422		0.6220	0.6220		3,063.869	3,063.8693	0.5134		3,076.704	
Total	1.8638	14.6745	21.1179	0.0330		0.6422	0.6422		0.6220	0.6220		3,063.869	3,063.8693	0.5134		3,076.704	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	6.0400e-003	0.1413	0.0578	8.8000e-004	3.9229	3.2000e-004	3.9232	0.3944	3.0000e-004	0.3947		94.5211	94.5211	3.9200e-003		94.6192	
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	
Total	6.0400e-003	0.1413	0.0578	8.8000e-004	3.9229	3.2000e-004	3.9232	0.3944	3.0000e-004	0.3947		94.5211	94.5211	3.9200e-003		94.6192	

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	lb/day											lb/day					
Off-Road	0.4289	5.0164	21.4927	0.0330		0.0458	0.0458		0.0458	0.0458		3,063.869	3,063.8693	0.5134		3,076.704	
Total	0.4289	5.0164	21.4927	0.0330		0.0458	0.0458		0.0458	0.0458		3,063.869	3,063.8693	0.5134		3,076.704	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	6.0400e-003	0.1413	0.0578	8.8000e-004	0.6468	3.2000e-004	0.6471	0.0688	3.0000e-004	0.0691		94.5211	94.5211	3.9200e-003		94.6192	
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	
Total	6.0400e-003	0.1413	0.0578	8.8000e-004	0.6468	3.2000e-004	0.6471	0.0688	3.0000e-004	0.0691		94.5211	94.5211	3.9200e-003		94.6192	

3.7 Mat Foundation (Subterreanen Parking Structure) - 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	lb/day											lb/day					
Off-Road	6.2500	49.7477	56.5460	0.0988		2.6748	2.6748		2.6569	2.6569		9,099.379 4	9,099.3794	0.7194		9,117.365 2	
Total	6.2500	49.7477	56.5460	0.0988		2.6748	2.6748		2.6569	2.6569		9,099.379 4	9,099.3794	0.7194		9,117.365 2	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0987	2.6999	0.7483	9.7700e-003	37.5141	0.0114	37.5255	3.7657	0.0109	3.7765		1,060.572 1	1,060.5721	0.0618		1,062.117 7	
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	
Total	0.0987	2.6999	0.7483	9.7700e-003	37.5141	0.0114	37.5255	3.7657	0.0109	3.7765		1,060.572 1	1,060.5721	0.0618		1,062.117 7	

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	lb/day											lb/day					
Off-Road	0.9529	5.7576	56.3542	0.0988		0.1212	0.1212		0.1212	0.1212		9,099.379 4	9,099.3794	0.7194		9,117.365 1	
Total	0.9529	5.7576	56.3542	0.0988		0.1212	0.1212		0.1212	0.1212		9,099.379 4	9,099.3794	0.7194		9,117.365 1	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0987	2.6999	0.7483	9.7700e-003	6.1730	0.0114	6.1843	0.6504	0.0109	0.6613		1,060.572 1	1,060.5721	0.0618		1,062.117 7	
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	
Total	0.0987	2.6999	0.7483	9.7700e-003	6.1730	0.0114	6.1843	0.6504	0.0109	0.6613		1,060.572 1	1,060.5721	0.0618		1,062.117 7	

3.8 Building Construction (Subterreanen Parking Structure) -

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	lb/day											lb/day					
Off-Road	1.9560	14.8087	17.6371	0.0264		0.8273	0.8273		0.7942	0.7942		2,439.101 4	2,439.1014	0.5064		2,451.760 4	
Total	1.9560	14.8087	17.6371	0.0264		0.8273	0.8273		0.7942	0.7942		2,439.101 4	2,439.1014	0.5064		2,451.760 4	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	8.9800e-003	0.2327	0.0683	9.2000e-004	3.9229	8.0000e-004	3.9237	0.3944	7.7000e-004	0.3952	98.4455	98.4455	4.2900e-003			98.5527	
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	8.9800e-003	0.2327	0.0683	9.2000e-004	3.9229	8.0000e-004	3.9237	0.3944	7.7000e-004	0.3952		98.4455	98.4455	4.2900e-003		98.5527	

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	lb/day											lb/day					
Off-Road	0.3632	4.7313	17.4363	0.0264		0.0371	0.0371		0.0371	0.0371	0.0000	2,439.101 4	2,439.1014	0.5064		2,451.760 4	
Total	0.3632	4.7313	17.4363	0.0264		0.0371	0.0371		0.0371	0.0371	0.0000	2,439.101 4	2,439.1014	0.5064		2,451.760 4	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	8.9800e-003	0.2327	0.0683	9.2000e-004	0.6468	8.0000e-004	0.6476	0.0688	7.7000e-004	0.0696	98.4455	98.4455	4.2900e-003			98.5527	
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	8.9800e-003	0.2327	0.0683	9.2000e-004	0.6468	8.0000e-004	0.6476	0.0688	7.7000e-004	0.0696		98.4455	98.4455	4.2900e-003		98.5527	

3.8 Building Construction (Subterreanen Parking Structure) -

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	lb/day											lb/day					
Off-Road	1.7864	13.6316	17.5077	0.0264		0.7008	0.7008		0.6735	0.6735		2,439.779	2,439.7792	0.4996		2,452.268	
Total	1.7864	13.6316	17.5077	0.0264		0.7008	0.7008		0.6735	0.6735		2,439.779	2,439.7792	0.4996		2,452.268	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	8.4900e-003	0.2160	0.0653	9.1000e-004	3.9229	7.1000e-004	3.9236	0.3944	6.7000e-004	0.3951		97.5605	97.5605	4.2100e-003		97.6656	
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	
Total	8.4900e-003	0.2160	0.0653	9.1000e-004	3.9229	7.1000e-004	3.9236	0.3944	6.7000e-004	0.3951		97.5605	97.5605	4.2100e-003		97.6656	

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	lb/day											lb/day					
Off-Road	0.3632	4.7313	17.4363	0.0264		0.0371	0.0371		0.0371	0.0371		0.0000	2,439.779	2,439.7792	0.4996		2,452.268
Total	0.3632	4.7313	17.4363	0.0264		0.0371	0.0371		0.0371	0.0371		0.0000	2,439.779	2,439.7792	0.4996		2,452.268

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	8.4900e-003	0.2160	0.0653	9.1000e-004	0.6468	7.1000e-004	0.6475	0.0688	6.7000e-004	0.0695		97.5605	97.5605	4.2100e-003		97.6656	
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	
Total	8.4900e-003	0.2160	0.0653	9.1000e-004	0.6468	7.1000e-004	0.6475	0.0688	6.7000e-004	0.0695		97.5605	97.5605	4.2100e-003		97.6656	

3.9 Architectural Coating - 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	lb/day											lb/day					
Archit. Coating	12.5740						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
Off-Road	0.4820	3.2501	4.8270	7.9200e-003			0.1624	0.1624		0.1624	0.1624		750.5281	750.5281	0.0423		751.5847
Total	13.0561	3.2501	4.8270	7.9200e-003			0.1624	0.1624		0.1624	0.1624		750.5281	750.5281	0.0423		751.5847

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	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	
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	
Total	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	lb/day											lb/day					
Archit. Coating	12.5740						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
Off-Road	0.0792	0.3434	4.8864	7.9200e-003			0.0106	0.0106		0.0106	0.0106		750.5281	750.5281	0.0423		751.5847
Total	12.6533	0.3434	4.8864	7.9200e-003			0.0106	0.0106		0.0106	0.0106		750.5281	750.5281	0.0423		751.5847

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	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	
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	
Total	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000								

3.9 Architectural Coating - 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	lb/day											lb/day					
Archit. Coating	12.5740						0.0000	0.0000		0.0000	0.0000		0.0000		0.0000		0.0000
Off-Road	0.4556	3.0547	4.8244	7.9200e-003			0.1374	0.1374		0.1374	0.1374		750.5281	750.5281	0.0409		751.5516
Total	13.0297	3.0547	4.8244	7.9200e-003			0.1374	0.1374		0.1374	0.1374		750.5281	750.5281	0.0409		751.5516

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	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	
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	
Total	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	lb/day											lb/day					
Archit. Coating	12.5740						0.0000	0.0000		0.0000	0.0000		0.0000		0.0000		0.0000
Off-Road	0.0792	0.3434	4.8864	7.9200e-003			0.0106	0.0106		0.0106	0.0106		750.5281	750.5281	0.0409		751.5516
Total	12.6533	0.3434	4.8864	7.9200e-003			0.0106	0.0106		0.0106	0.0106		750.5281	750.5281	0.0409		751.5516

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	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	
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	
Total	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000								

3.10 Grading (Bldg B and C) - 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	lb/day											lb/day					
Fugitive Dust					0.2543	0.0000	0.2543	0.0385	0.0000	0.0385			0.0000			0.0000	
Off-Road	1.6499	15.6367	18.1838	0.0456		0.6516	0.6516		0.5995	0.5995		4,416.7037	4,416.7037	1.4285		4,452.4150	
Total	1.6499	15.6367	18.1838	0.0456	0.2543	0.6516	0.9059	0.0385	0.5995	0.6380		4,416.7037	4,416.7037	1.4285		4,452.4150	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0177	0.4345	0.1997	2.5900e-003	10.3262	1.1200e-003	10.3273	1.0366	1.0700e-003	1.0376		282.2893	282.2893	0.0176		282.7298	
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	
Total	0.0177	0.4345	0.1997	2.5900e-003	10.3262	1.1200e-003	10.3273	1.0366	1.0700e-003	1.0376		282.2893	282.2893	0.0176		282.7298	

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	lb/day											lb/day					
Fugitive Dust					0.0992	0.0000	0.0992	0.0150	0.0000	0.0150			0.0000			0.0000	
Off-Road	0.5610	2.4308	25.6441	0.0456		0.0748	0.0748		0.0748	0.0748	0.0000	4,416.7037	4,416.7037	1.4285		4,452.4150	
Total	0.5610	2.4308	25.6441	0.0456	0.0992	0.0748	0.1740	0.0150	0.0748	0.0898	0.0000	4,416.7037	4,416.7037	1.4285		4,452.4150	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0177	0.4345	0.1997	2.5900e-003	1.6992	1.1200e-003	1.7003	0.1790	1.0700e-003	0.1801		282.2893	282.2893	0.0176		282.7298	
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	
Total	0.0177	0.4345	0.1997	2.5900e-003	1.6992	1.1200e-003	1.7003	0.1790	1.0700e-003	0.1801		282.2893	282.2893	0.0176		282.7298	

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	lb/day											lb/day					
Off-Road	5.1351	41.0186	56.1365	0.0988		1.8073	1.8073		1.7966	1.7966		9,101.099 6	9,101.0996	0.6294		9,116.833 9	
Total	5.1351	41.0186	56.1365	0.0988		1.8073	1.8073		1.7966	1.7966		9,101.099 6	9,101.0996	0.6294		9,116.833 9	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0396	0.7631	0.3595	6.4600e-003	30.0753	2.3300e-003	30.0776	3.0239	2.2300e-003	3.0261		691.4611	691.4611	0.0254		692.0956	
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	
Total	0.0396	0.7631	0.3595	6.4600e-003	30.0753	2.3300e-003	30.0776	3.0239	2.2300e-003	3.0261		691.4611	691.4611	0.0254		692.0956	

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	lb/day											lb/day					
Off-Road	0.9529	5.7576	56.3542	0.0988		0.1212	0.1212		0.1212	0.1212		9,101.099 6	9,101.0996	0.6294		9,116.833 9	
Total	0.9529	5.7576	56.3542	0.0988		0.1212	0.1212		0.1212	0.1212		9,101.099 6	9,101.0996	0.6294		9,116.833 9	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0396	0.7631	0.3595	6.4600e-003	4.9587	2.3300e-003	4.9610	0.5273	2.2300e-003	0.5296		691.4611	691.4611	0.0254		692.0956	
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	
Total	0.0396	0.7631	0.3595	6.4600e-003	4.9587	2.3300e-003	4.9610	0.5273	2.2300e-003	0.5296		691.4611	691.4611	0.0254		692.0956	

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	lb/day											lb/day					
Off-Road	1.7073	13.4999	19.3523	0.0302		0.5850	0.5850		0.5661	0.5661		2,800.7956	2,800.7956	0.4784		2,812.7565	
Total	1.7073	13.4999	19.3523	0.0302		0.5850	0.5850		0.5661	0.5661		2,800.7956	2,800.7956	0.4784		2,812.7565	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	7.4400e-003	0.2102	0.0836	1.0400e-003	3.9214	4.4000e-004	3.9218	0.3936	4.2000e-004	0.3941		112.9699	112.9699	7.4800e-003		113.1569	
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	7.4400e-003	0.2102	0.0836	1.0400e-003	3.9214	4.4000e-004	3.9218	0.3936	4.2000e-004	0.3941		112.9699	112.9699	7.4800e-003		113.1569	

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	lb/day											lb/day					
Off-Road	0.3996	4.8894	19.6856	0.0302		0.0419	0.0419		0.0419	0.0419	0.0000	2,800.7956	2,800.7956	0.4784		2,812.7565	
Total	0.3996	4.8894	19.6856	0.0302		0.0419	0.0419		0.0419	0.0419	0.0000	2,800.7956	2,800.7956	0.4784		2,812.7565	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	7.4400e-003	0.2102	0.0836	1.0400e-003	0.6453	4.4000e-004	0.6457	0.0680	4.2000e-004	0.0684		112.9699	112.9699	7.4800e-003		113.1569	
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	7.4400e-003	0.2102	0.0836	1.0400e-003	0.6453	4.4000e-004	0.6457	0.0680	4.2000e-004	0.0684		112.9699	112.9699	7.4800e-003		113.1569	

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	lb/day											lb/day					
Off-Road	1.5993	12.7837	19.2968	0.0302		0.5001	0.5001		0.4841	0.4841		2,801.301	2,801.3015	0.4725		2,813.113	9
Total	1.5993	12.7837	19.2968	0.0302		0.5001	0.5001		0.4841	0.4841		2,801.301	2,801.3015	0.4725		2,813.113	9

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	7.4100e-003	0.2071	0.0842	1.0300e-003	3.9214	4.3000e-004	3.9218	0.3936	4.2000e-004	0.3941	112.3767	112.3767	7.4900e-003		112.5640		
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	7.4100e-003	0.2071	0.0842	1.0300e-003	3.9214	4.3000e-004	3.9218	0.3936	4.2000e-004	0.3941	112.3767	112.3767	7.4900e-003		112.5640		

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	lb/day											lb/day					
Off-Road	0.3996	4.8894	19.6856	0.0302		0.0419	0.0419		0.0419	0.0419	0.0000	2,801.301	2,801.3015	0.4725		2,813.113	9
Total	0.3996	4.8894	19.6856	0.0302		0.0419	0.0419		0.0419	0.0419	0.0000	2,801.301	2,801.3015	0.4725		2,813.113	9

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	7.4100e-003	0.2071	0.0842	1.0300e-003	0.6453	4.3000e-004	0.6457	0.0680	4.2000e-004	0.0684	112.3767	112.3767	7.4900e-003		112.5640		
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	7.4100e-003	0.2071	0.0842	1.0300e-003	0.6453	4.3000e-004	0.6457	0.0680	4.2000e-004	0.0684	112.3767	112.3767	7.4900e-003		112.5640		

Sunset Gower Studios Preservation and Enhancement Plan

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- Summary of Operational Emissions

AIR QUALITY SUMMARY OF EMISSIONS

Operation Emissions (No Project Design Features)

Regional Baseline							Operation Emissions (With Project Design Features)						
	ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}		ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Area	14	<1	<1	<1	<1	<1	Area	14	<1	<1	<1	<1	<1
Energy	<1	2	2	<1	<1	<1	Energy	<1	2	2	<1	<1	<1
Mobile	8	37	102	<1	21	6	Mobile	8	37	102	<1	21	6
Emergency Generator	<1	1	<1	<1	<1	<1	Emergency Generator	<1	1	<1	<1	<1	<1
Total	23	40	104	<1	22	6	Total	23	40	104	<1	22	6
Regional Baseline (Buildout)	ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}	Regional Baseline (Buildout)	ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Area	14	<1	<1	<1	<1	<1	Area	14	<1	<1	<1	<1	<1
Energy	<1	2	1	<1	<1	<1	Energy	<1	2	1	<1	<1	<1
Mobile	4	20	50	<1	21	6	Mobile	4	20	50	<1	21	6
Emergency Generator	<1	1	<1	<1	<1	<1	Emergency Generator	<1	1	<1	<1	<1	<1
Total	19	24	52	<1	21	6	Total	19	24	52	<1	21	6
Regional Buildout	ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}	Regional Buildout	ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Area	25	<1	<1	<1	<1	<1	Area	25	<1	<1	<1	<1	<1
Energy	<1	3	2	<1	<1	<1	Energy	<1	3	3	<1	<1	<1
Mobile	7	33	81	<1	35	9	Mobile	6	31	75	<1	32	9
Emergency Generator	<1	<1	2	<1	<1	<1	Emergency Generator	<1	<1	2	<1	<1	<1
Total	32	36	86	<1	35	10	Total	31	34	80	<1	32	9
Regional Interim (2024)	ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}	Regional Interim (2024)	ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Area	21	<1	<1	<1	<1	<1	Area	21	<1	<1	<1	<1	<1
Energy	<1	2	2	<1	<1	<1	Energy	<1	2	2	<1	<1	<1
Mobile	7	29	80	<1	28	8	Mobile	7	29	80	<1	28	8
Emergency Generator	<1	<1	2	<1	<1	<1	Emergency Generator	<1	<1	2	<1	<1	<1
Total	28	32	85	<1	28	8	Total	28	32	85	<1	28	8

Project Regional (Buildout Less Baseline)

Project Regional (Buildout Less Baseline)							Project Regional (Buildout Less Baseline)						
	ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}		ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Area	11	<1	<1	<1	<1	<1	Area	11	<1	<1	<1	<1	<1
Energy	<1	1	<1	<1	<1	<1	Energy	<1	1	1	<1	<1	<1
Mobile	3	13	31	<1	13	4	Mobile	2	10	25	<1	11	3
Emergency Generator	<1	<1	2	<1	<1	<1	Emergency Generator	<1	<1	2	<1	<1	<1
Total	13	13	34	<1	13	4	Total	13	11	28	<1	11	3
Threshold	55	55	550	150	150	55	Threshold	55	55	550	150	150	55
Difference	(42)	(42)	(516)	(150)	(137)	(51)	Difference	(42)	(44)	(522)	(150)	(139)	(52)
Impact	No	No	No	No	No	No	Impact	No	No	No	No	No	No
							Percent Reduction:	-4%	-17%	-17%	-17%	-20%	-19%

Project Localized (Buildout Less Baseline)

Project Localized (Buildout Less Baseline)							Project Localized (Buildout Less Baseline)						
	Onsite Total	0	3	0	0.0		Onsite Total	0	3	0	0.1		
Threshold	107	1861	4.0	2.0			Threshold	107	1861	4.0	2.0		
Difference	(107)	(1858)	(4)	(2)			Difference	(107)	(1858)	(4)	(2)		
Impact	No	No	No	No	No	No	Impact	No	No	No	No	No	No

Project (Interim 2024 Operation Less Baseline (Buildout))

Project (Interim 2024 Operation Less Baseline (Buildout))							Project (Interim 2024 Operation Less Baseline (Buildout))						
	ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}		ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Area	7	<1	<1	<1	<1	<1	Area	7	<1	<1	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1	Energy	<1	<1	<1	<1	<1	<1
Mobile	2	9	30	<1	6	2	Mobile	2	9	30	<1	6	2
Emergency Generator	<1	<1	2	<1	<1	<1	Emergency Generator	<1	<1	2	<1	<1	<1
Total	10	8	33	<1	6	2	Total	10	8	33	<1	6	2
							Percent Reduction:	0%	0%	0%	0%	0%	0%

Interim 2024 (Construction and Operations)

Interim 2024 (Construction and Operations)							Interim 2024 (Construction and Operations)						
	ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}		ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Construction	22	104	90	0	16	6	Construction	22	104	90	0	16	6
Operation	10	8	33	0	6	2	Operation	10	8	33	0	6	2
Total	32	112	123	1	22	7	Total	32	112	123	1	22	7
Threshold	55	55	550	150	150	55	Threshold	55	55	550	150	150	55
Difference	(23)	57	(427)	(149)	(128)	(48)	Difference	(23)	57	(427)	(149)	(128)	(48)
Impact	No	Yes	No	No	No	No	Impact	No	Yes	No	No	No	No

Interim 2024 (Construction and Operations)

Interim 2024 (Construction and Operations)							Interim 2024 (Construction and Operations)						
	ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}		ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Construction (Mitigated)	19	75	98	0	14	4	Construction (Mitigated)	19	75	98	0	14	4
Operation	10	8	33	0	6	2	Operation	10	8	33	0	6	2
Total	28	83	130	1	20	6	Total	28	83	130	1	20	6
Threshold	55	55	550	150	150	55	Threshold	55	55	550	150	150	55
Difference	(27)	28	(420)	(149)	(130)	(49)	Difference	(27)	28	(420)	(149)	(130)	(49)
Impact	No	Yes	No	No	No	No	Impact	No	Yes	No	No	No	No

Sunset Gower Studios Preservation and Enhancement Plan

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- LADOT VMT CalEEMod Input Calculations

Sunset Gower (Project)

LADOT VMT Calculator Data

VMT Summary

	Existing	Proposed Project	With Mitigation	Project Weekday Trips	Weekend Trips	Weekend Vs. Weekday Ratio
Daily Trips	3,628	5,936	5,480	1	1	1.00
Daily VMT	27,103	44,311	40,912			

Pass-by trips 132 132

Note: Weekend trips and Pass-by trips are based on ITE Trip Generation (Total Project Driveway Trips).

Project without TDM (MXD Data)

	Unadjusted Trips	MXD Adjustment	MXD Trips	Average Trip Length	Unadjusted VMT	MXD VMT	MXD Reduction vs. Unadjusted MXD (%)
Home Based Work Production	0	0.0%	0	7.7	0	0	
Home Based Other Production	0	0.0%	0	4.9	0	0	
Non-Home Based Other Production	1011	-13.6%	874	7.4	7481	6468	
Home-Based Work Attraction	3987	-25.6%	2967	8.4	33491	24923	
Home-Based Other Attraction	2058	-40.7%	1221	6.0	12,348	7326	
Non-Home Based Other Attraction	1011	-13.6%	874	6.4	6470	5594	
Total	8,067				59,790	44,311	26%

Project with TDM (MXD Data)

	Proposed Project		Project with Mitigation Measures				MM Reduction vs. Unadjusted MXD (%)
	TDM Adjustment	Project Trips	Project VMT	TDM Adjustment	Mitigated Trips	Mitigated VMT	
Home Based Work Production	0.0%	0	0	-7.7%	0	0	
Home Based Other Production	0.0%	0	0	-7.7%	0	0	
Non-Home Based Other Production	0.0%	874	6468	-7.7%	807	5972	
Home-Based Work Attraction	0.0%	2967	24923	-7.7%	2739	23011	
Home-Based Other Attraction	0.0%	1221	7326	-7.7%	1127	6764	
Non-Home Based Other Attraction	0.0%	874	5594	-7.7%	807	5165	
Total		5,936	44,311		5,480	40,912	32%

Source: Linscott, Law and Greenspan

CalEEMod Inputs - PASTE THIS INTO CALEEMOD INPUT FILE**Trips**

VehicleTripsLandUseSubType	cleTripsLandUseSizeM	WD_TR	ST_TR	SU_TR	CC_TL	PR_TP	PB_TP	CC_TTP	
User Defined Commercial	User Defined Unit	3,628	3,628	3,628	7,4705	100.0	0.0	100	Existing Uses
User Defined Commercial	User Defined Unit	8,067	8,067	8,067	7,4117	100.0	0.0	100	Project no MXD or TDM
User Defined Commercial	User Defined Unit	5,936	5,936	5,936	7,4648	100.0	0.0	100	Project No TDM
User Defined Commercial	User Defined Unit	5,480	5,480	5,480	7,4657	100.0	0.0	100	Project With TDM
User Defined Commercial	User Defined Unit	4,732	4,732	4,732	7,4657	100.0	0.0	100	Interim
Pass-by Trips									
User Defined Industrial	User Defined Unit	132	132	132	0.0	0.0	100.0	100	Existing Uses
User Defined Industrial	User Defined Unit	132	132	132	0.0	0.0	100.0	100	Project no MXD or TDM
User Defined Industrial	User Defined Unit	132	132	132	0.0	0.0	100.0	100	Project No TDM
User Defined Industrial	User Defined Unit	132	132	132	0.0	0.0	100.0	100	Project With TDM
User Defined Industrial	User Defined Unit	114	114	114	0.0	0.0	100.0	100	Project With TDM
		Project	Project w MM						
Employee VMT		24923	23011						
Employees		3996	3996						
Work VMT per capita		6.2	5.8						
SCAG Average		20.5	22.8						
Employee Reduction (%)		-70%	-75%						

Sunset Gower Studios Preservation and Enhancement Plan

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April 2020

- CalEEMod Operational Output Files
 - Baseline Regional
 - Baseline (Buildout) Regional
 - Buildout
 - Interim

Sunset Gower Studios Enhancement Plan
Existing Operational Emissions

CalEEMod Version: CalEEMod.2016.3.2

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Date: 2/12/2020 6:07 PM

Sunset Gower (Baseline) - Los Angeles-South Coast County, Winter

Sunset Gower (Baseline)
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	378.98	1000sqft	15.90	378,980.00	0
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Industrial Park	231.11	1000sqft	0.00	231,108.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	1,398.00	Space	0.00	559,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2018
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	795	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP RPS Value for 2018

Land Use - Site Specific

Construction Phase - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Trips and VMT - Site Specific

Demolition -

Grading -

Vehicle Trips - Site Specific

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use - Code Requirements

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	2.63	1.75

Sunset Gower Studios Enhancement Plan
Existing Operational Emissions

tblEnergyUse	T24E	3.92	0.38
tblLandUse	LandUseSquareFeet	231,110.00	231,108.00
tblLandUse	LotAcreage	8.70	15.90
tblLandUse	LotAcreage	5.31	0.00
tblLandUse	LotAcreage	12.58	0.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	795
tblVehicleTrips	CC_TL	8.40	7.47
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	PB_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	0.00	3,628.00
tblVehicleTrips	ST_TR	0.00	132.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	0.00	3,628.00
tblVehicleTrips	SU_TR	0.00	132.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	0.00	3,628.00
tblVehicleTrips	WD_TR	0.00	132.00

2.0 Emissions Summary

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	lb/day										lb/day					
Area	13.8898	1.9500e-003	0.2081	2.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004						
Energy	0.2242	2.0385	1.7124	0.0122		0.1549	0.1549		0.1549	0.1549						
Mobile	8.3249	37.0365	101.7336	0.2758	20.9920	0.3457	21.3377	5.6194	0.3253	5.9447						
Stationary	0.3180	1.4219	0.8107	1.5300e-003		0.0468	0.0468		0.0468	0.0468						
Total	22.7569	40.4989	104.4648	0.2896	20.9920	0.5481	21.5401	5.6194	0.5278	6.1471						

Mitigated Operational

Sunset Gower Studios Enhancement Plan
Existing Operational Emissions

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Area	13.8898	1.9500e-003	0.2081	2.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004						
Energy	0.2242	2.0385	1.7124	0.0122		0.1549	0.1549		0.1549	0.1549						
Mobile	8.3249	37.0365	101.7336	0.2758	20.9920	0.3457	21.3377	5.6194	0.3253	5.9447						
Stationary	0.3180	1.4219	0.8107	1.5300e-003		0.0468	0.0468		0.0468	0.0468						
Total	22.7569	40.4989	104.4648	0.2896	20.9920	0.5481	21.5401	5.6194	0.5278	6.1471						
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						

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	lb/day											lb/day				
Mitigated	8.3249	37.0365	101.7336	0.2758	20.9920	0.3457	21.3377	5.6194	0.3253	5.9447						
Unmitigated	8.3249	37.0365	101.7336	0.2758	20.9920	0.3457	21.3377	5.6194	0.3253	5.9447						

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated			Mitigated		
	Weekday	Saturday	Sunday	Annual VMT			Annual VMT		
Enclosed Parking with Elevator	0.00	0.00	0.00						
General Office Building	0.00	0.00	0.00						
Industrial Park	0.00	0.00	0.00						
User Defined Commercial	3,628.00	3,628.00	3628.00		9,865.492			9,865.492	
User Defined Industrial	132.00	132.00	132.00		4,805			4,805	
Total	3,760.00	3,760.00	3,760.00		9,870,297			9,870,297	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
User Defined Commercial	0.00	7.47	0.00	0.00	100.00	0.00	100	0	0
User Defined Industrial	0.00	0.00	0.00	0.00	100.00	0.00	0	0	100

Sunset Gower Studios Enhancement Plan
Existing Operational Emissions

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.547972	0.046127	0.199330	0.125604	0.017697	0.005953	0.018360	0.027618	0.002341	0.002583	0.004804	0.000667	0.000944
General Office Building	0.547972	0.046127	0.199330	0.125604	0.017697	0.005953	0.018360	0.027618	0.002341	0.002583	0.004804	0.000667	0.000944
Industrial Park	0.547972	0.046127	0.199330	0.125604	0.017697	0.005953	0.018360	0.027618	0.002341	0.002583	0.004804	0.000667	0.000944
User Defined Commercial	0.547972	0.046127	0.199330	0.125604	0.017697	0.005953	0.018360	0.027618	0.002341	0.002583	0.004804	0.000667	0.000944
User Defined Industrial	0.547972	0.046127	0.199330	0.125604	0.017697	0.005953	0.018360	0.027618	0.002341	0.002583	0.004804	0.000667	0.000944

5.0 Energy Detail

Historical Energy Use: Y

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	lb/day												lb/day			
NaturalGas Mitigated	0.2242	2.0385	1.7124	0.0122			0.1549	0.1549		0.1549	0.1549					
NaturalGas Unmitigated	0.2242	2.0385	1.7124	0.0122			0.1549	0.1549		0.1549	0.1549					

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	lb/day												lb/day			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000					
General Office Building	12916.5	0.1393	1.2663	1.0637	7.6000e-003			0.0962	0.0962		0.0962	0.0962					
Industrial Park	7876.67	0.0849	0.7722	0.6487	4.6300e-003			0.0587	0.0587		0.0587	0.0587					
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000					
Total		0.2242	2.0385	1.7124	0.0122			0.1549	0.1549		0.1549	0.1549					

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	lb/day												lb/day			

Sunset Gower Studios Enhancement Plan
Existing Operational Emissions

Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000				
General Office Building	12.9165	0.1393	1.2663	1.0637	7.6000e-003		0.0962	0.0962		0.0962	0.0962				
Industrial Park	7.87667	0.0849	0.7722	0.6487	4.6300e-003		0.0587	0.0587		0.0587	0.0587				
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000				
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000				
Total		0.2242	2.0385	1.7124	0.0122		0.1549	0.1549		0.1549	0.1549				

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	lb/day										lb/day					
Mitigated	13.8898	1.9500e-003	0.2081	2.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004						
Unmitigated	13.8898	1.9500e-003	0.2081	2.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004						

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	lb/day										lb/day					
Architectural Coating	1.5921					0.0000	0.0000		0.0000	0.0000						
Consumer Products	12.2778					0.0000	0.0000		0.0000	0.0000						
Landscaping	0.0199	1.9500e-003	0.2081	2.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004						
Total	13.8898	1.9500e-003	0.2081	2.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004						

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	lb/day										lb/day					
Architectural Coating	1.5921					0.0000	0.0000		0.0000	0.0000						
Consumer Products	12.2778					0.0000	0.0000		0.0000	0.0000						

Sunset Gower Studios Enhancement Plan
Existing Operational Emissions

Landscaping	0.0199	1.9500e-003	0.2081	2.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004				
Total	13.8898	1.9500e-003	0.2081	2.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004				

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.25	12	775	0.73	Diesel

Boilers

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

User Defined Equipment

Equipment Type	Number
----------------	--------

10.1 Stationary Sources

Unmitigated/Mitigated

Equipment Type	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Emergency Generator - Diesel (750,0000 LHD)	0.3180	1.4219	0.8107	1.5300e-003		0.0468	0.0468		0.0468	0.0468						
Total	0.3180	1.4219	0.8107	1.5300e-003		0.0468	0.0468		0.0468	0.0468						

11.0 Vegetation

Sunset Gower Studios Enhancement Plan
Existing Operational Emissions (Buildout Year)

CalEEMod Version: CalEEMod.2016.3.2

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Sunset Gower (Baseline Buildout) - Los Angeles-South Coast County, Winter

**Sunset Gower (Baseline Buildout)
Los Angeles-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	378.98	1000sqft	15.90	378,980.00	0
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Industrial Park	231.11	1000sqft	0.00	231,108.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	1,398.00	Space	0.00	559,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2028
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	570	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP RPS Value for 2028

Land Use - Site Specific

Construction Phase - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Trips and VMT - Site Specific

Demolition -

Grading -

Vehicle Trips - User Defined Commercial = Primary Trips

User Defined Industrial = Primary Trips

Energy Use - Code Requirements

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	2.63	1.75
tblEnergyUse	LightingElect	4.63	3.77
tblEnergyUse	LightingElect	4.63	3.77
tblEnergyUse	T24E	3.92	0.38

**Sunset Gower Studios Enhancement Plan
Existing Operational Emissions (Buildout Year)**

tblEnergyUse	T24E	5.99	4.60
tblEnergyUse	T24E	5.99	4.60
tblEnergyUse	T24NG	12.05	10.02
tblEnergyUse	T24NG	12.05	10.02
tblLandUse	LandUseSquareFeet	231,110.00	231,108.00
tblLandUse	LotAcreage	8.70	15.90
tblLandUse	LotAcreage	5.31	0.00
tblLandUse	LotAcreage	12.58	0.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	570
tblVehicleTrips	CC_TL	8.40	7.47
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	PB_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	0.00	3,628.00
tblVehicleTrips	ST_TR	0.00	132.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	0.00	3,628.00
tblVehicleTrips	SU_TR	0.00	132.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	0.00	3,628.00
tblVehicleTrips	WD_TR	0.00	132.00

2.0 Emissions Summary

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	lb/day										lb/day					
Area	13.8887	1.8500e-003	0.2047	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004						
Energy	0.1877	1.7059	1.4329	0.0102		0.1297	0.1297		0.1297	0.1297						
Mobile	4.2227	20.4149	49.7284	0.2130	20.9818	0.1531	21.1349	5.6131	0.1422	5.7552						
Stationary	0.3180	1.4219	0.8107	1.5300e-003		0.0468	0.0468		0.0468	0.0468						

Sunset Gower Studios Enhancement Plan
Existing Operational Emissions (Buildout Year)

Total	18.6171	23.5445	52.1768	0.2248	20.9818	0.3302	21.3120	5.6131	0.3193	5.9324					
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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	lb/day											lb/day				
Area	13.8887	1.8500e-003	0.2047	2.0000e-005			7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004					
Energy	0.1877	1.7059	1.4329	0.0102			0.1297	0.1297		0.1297	0.1297					
Mobile	4.2227	20.4149	49.7284	0.2130	20.9818	0.1531	21.1349	5.6131	0.1422	5.7552						
Stationary	0.3180	1.4219	0.8107	1.5300e-003			0.0468	0.0468		0.0468	0.0468					
Total	18.6171	23.5445	52.1768	0.2248	20.9818	0.3302	21.3120	5.6131	0.3193	5.9324						
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						

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	lb/day											lb/day				
Mitigated	4.2227	20.4149	49.7284	0.2130	20.9818	0.1531	21.1349	5.6131	0.1422	5.7552						
Unmitigated	4.2227	20.4149	49.7284	0.2130	20.9818	0.1531	21.1349	5.6131	0.1422	5.7552						

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00				
General Office Building	0.00	0.00	0.00				
Industrial Park	0.00	0.00	0.00				
User Defined Commercial	3,628.00	3,628.00	3628.00	9,865,492		9,865,492	
User Defined Industrial	132.00	132.00	132.00	4,805		4,805	
Total	3,760.00	3,760.00	3,760.00	9,870,297		9,870,297	

4.3 Trip Type Information

Land Use	Miles				Trip %				Trip Purpose %		
	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		

**Sunset Gower Studios Enhancement Plan
Existing Operational Emissions (Buildout Year)**

Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
User Defined Commercial	0.00	7.47	0.00	0.00	100.00	0.00	100	0	0
User Defined Industrial	0.00	0.00	0.00	0.00	100.00	0.00	0	0	100

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
General Office Building	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Industrial Park	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
User Defined Commercial	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
User Defined Industrial	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: Y

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	lb/day										lb/day					
NaturalGas Mitigated	0.1877	1.7059	1.4329	0.0102			0.1297	0.1297		0.1297	0.1297					
NaturalGas Unmitigated	0.1877	1.7059	1.4329	0.0102			0.1297	0.1297		0.1297	0.1297					

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	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000					
General Office Building	10808.7	0.1166	1.0597	0.8901	6.3600e-003			0.0805	0.0805		0.0805	0.0805					
Industrial Park	6591.33	0.0711	0.6462	0.5428	3.8800e-003			0.0491	0.0491		0.0491	0.0491					
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000					
Total		0.1876	1.7059	1.4330	0.0102			0.1297	0.1297		0.1297	0.1297					

Mitigated

Sunset Gower Studios Enhancement Plan
Existing Operational Emissions (Buildout Year)

	Natural Gas 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	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000						
General Office Building	10.8087	0.1166	1.0597	0.8901	6.3600e-003			0.0805	0.0805		0.0805	0.0805					
Industrial Park	6.59133	0.0711	0.6462	0.5428	3.8800e-003			0.0491	0.0491		0.0491	0.0491					
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000					
Total		0.1876	1.7059	1.4330	0.0102			0.1297	0.1297		0.1297	0.1297					

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	lb/day										lb/day					
Mitigated	13.8887	1.8500e-003	0.2047	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004						
Unmitigated	13.8887	1.8500e-003	0.2047	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004						

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	lb/day										lb/day					
Architectural Coating	1.5921						0.0000	0.0000		0.0000	0.0000					
Consumer Products	12.2778						0.0000	0.0000		0.0000	0.0000					
Landscaping	0.0189	1.8500e-003	0.2047	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004						
Total	13.8887	1.8500e-003	0.2047	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004						

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

Sunset Gower Studios Enhancement Plan
Existing Operational Emissions (Buildout Year)

SubCategory	lb/day								lb/day			
Architectural Coating	1.5921					0.0000	0.0000		0.0000	0.0000		
Consumer Products	12.2778					0.0000	0.0000		0.0000	0.0000		
Landscaping	0.0189	1.8500e-003	0.2047	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		
Total	13.8887	1.8500e-003	0.2047	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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
Emergency Generator	1	0.25	12	775	0.73	Diesel

Boilers

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

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/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	
Equipment Type	lb/day												lb/day				
Emergency Generator - Diesel (750,000 Wp)	0.3180	1.4219	0.8107	1.5300e-003		0.0468	0.0468		0.0468	0.0468							
Total	0.3180	1.4219	0.8107	1.5300e-003		0.0468	0.0468		0.0468	0.0468							

11.0 Vegetation

Sunset Gower Project (Buildout) - Without TDM - Los Angeles-South Coast County, Winter

Sunset Gower Project (Buildout) - Without TDM
Los Angeles-South Coast County, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	852.79	1000sqft	15.90	852,792.00	0
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Industrial Park	222.19	1000sqft	0.00	222,190.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	985.00	Space	0.00	394,000.00	0
Enclosed Parking with Elevator	1,398.00	Space	0.00	559,200.00	0
Unenclosed Parking Structure	354.00	Space	0.00	141,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2028
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	570	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP RPS Value for 2028

Land Use - Site Specific

Construction Phase - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Trips and VMT - Site Specific

Demolition -

Grading -

Vehicle Trips - Site Specific

Energy Use - Code Requirements

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Emergency Generators and Fire Pumps EF - BACT AQMD

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	1.75	2.33
tblEnergyUse	LightingElect	1.75	2.33
tblEnergyUse	T24E	3.92	0.41

tblLandUse	LandUseSquareFeet	852,790.00	852,792.00
tblLandUse	LotAcreage	19.58	15.90
tblLandUse	LotAcreage	5.10	0.00
tblLandUse	LotAcreage	12.58	0.00
tblLandUse	LotAcreage	8.87	0.00
tblLandUse	LotAcreage	3.19	0.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	570
tblStationaryGeneratorsPumpsEF	NOX_EF	4.56	0.50
tblStationaryGeneratorsPumpsEF	PM10_EF	0.15	0.02
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.15	0.02
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	3.1000e-004
tblVehicleTrips	CC_TL	8.40	7.46
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	PB_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	0.00	5,936.00
tblVehicleTrips	ST_TR	0.00	132.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	0.00	5,936.00
tblVehicleTrips	SU_TR	0.00	132.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	0.00	5,936.00
tblVehicleTrips	WD_TR	0.00	132.00

2.0 Emissions Summary

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	lb/day										lb/day					
Area	24.5218	3.5200e-003	0.3884	3.0000e-005		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003						
Energy	0.3306	3.0058	2.5249	0.0180		0.2284	0.2284		0.2284	0.2284						
Mobile	6.8506	33.1289	81.0748	0.3478	34.2969	0.2498	34.5467	9.1751	0.2320	9.4071						
Stationary	0.1315	0.4677	2.4322	4.5800e-003		0.0187	0.0187		0.0187	0.0187						

Total	31.8346	36.6059	86.4203	0.3705	34.2969	0.4984	34.7952	9.1751	0.4805	9.6557					
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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	lb/day											lb/day				
Area	24.5218	3.5200e-003	0.3884	3.0000e-005		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003						
Energy	0.2988	2.7165	2.2818	0.0163		0.2065	0.2065		0.2065	0.2065						
Mobile	6.8506	33.1289	81.0748	0.3478	34.2969	0.2498	34.5467	9.1751	0.2320	9.4071						
Stationary	0.1315	0.4677	2.4322	4.5800e-003		0.0187	0.0187		0.0187	0.0187						
Total	31.8028	36.3166	86.1772	0.3687	34.2969	0.4764	34.7732	9.1751	0.4585	9.6337						
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.10	0.79	0.28	0.47	0.00	4.41	0.06	0.00	4.58	0.23	0.00	0.00	0.00	0.00	0.00	0.00

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	lb/day										lb/day					
Mitigated	6.8506	33.1289	81.0748	0.3478	34.2969	0.2498	34.5467	9.1751	0.2320	9.4071						
Unmitigated	6.8506	33.1289	81.0748	0.3478	34.2969	0.2498	34.5467	9.1751	0.2320	9.4071						

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated			Mitigated		
	Weekday	Saturday	Sunday	Annual VMT			Annual VMT		
Enclosed Parking with Elevator	0.00	0.00	0.00						
Enclosed Parking with Elevator	0.00	0.00	0.00						
General Office Building	0.00	0.00	0.00						
Industrial Park	0.00	0.00	0.00						
Unenclosed Parking Structure	0.00	0.00	0.00						
User Defined Commercial	5,936.00	5,936.00	5936.00		16,129,204			16,129,204	
User Defined Industrial	132.00	132.00	132.00		4,805			4,805	
Total	6,068.00	6,068.00	6,068.00		16,134,009			16,134,009	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4

Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
Unenclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Commercial	0.00	7.46	0.00	0.00	100.00	0.00	100	0	0
User Defined Industrial	0.00	0.00	0.00	0.00	100.00	0.00	0	0	100

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
General Office Building	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Industrial Park	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Unenclosed Parking Structure	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
User Defined Commercial	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
User Defined Industrial	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day								lb/day							
NaturalGas Mitigated	0.2988	2.7165	2.2818	0.0163		0.2065	0.2065		0.2065	0.2065						
NaturalGas Unmitigated	0.3306	3.0058	2.5249	0.0180		0.2284	0.2284		0.2284	0.2284						

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGa s 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	lb/day								lb/day							
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
General Office Building	24322.1	0.2623	2.3845	2.0030	0.0143		0.1812	0.1812		0.1812	0.1812						
Industrial Park	6336.98	0.0683	0.6213	0.5219	3.7300e-003		0.0472	0.0472		0.0472	0.0472						
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Total		0.3306	3.0058	2.5249	0.0180		0.2284	0.2284		0.2284	0.2284						

Mitigated

	Natural Gas 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	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
General Office Building	21.981	0.2371	2.1550	1.8102	0.0129		0.1638	0.1638		0.1638	0.1638						
Industrial Park	5.72702	0.0618	0.5615	0.4716	3.3700e-003		0.0427	0.0427		0.0427	0.0427						
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Total		0.2988	2.7165	2.2818	0.0163		0.2065	0.2065		0.2065	0.2065						

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	lb/day										lb/day					
Mitigated	24.5218	3.5200e-003	0.3884	3.0000e-005		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003						
Unmitigated	24.5218	3.5200e-003	0.3884	3.0000e-005		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003						

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	lb/day										lb/day					
Architectural Coating	2.8136					0.0000	0.0000		0.0000	0.0000						
Consumer Products	21.6724					0.0000	0.0000		0.0000	0.0000						
Landscaping	0.0358	3.5200e-003	0.3884	3.0000e-005		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003						
Total	24.5218	3.5200e-003	0.3884	3.0000e-005		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003						

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	lb/day										lb/day					

Architectural Coating	2.8136				0.0000	0.0000	0.0000	0.0000				
Consumer Products	21.6724				0.0000	0.0000	0.0000	0.0000				
Landscaping	0.0358	3.5200e-003	0.3884	3.0000e-005	1.3800e-003	1.3800e-003	1.3800e-003	1.3800e-003				
Total	24.5218	3.5200e-003	0.3884	3.0000e-005		1.3800e-003	1.3800e-003	1.3800e-003	1.3800e-003			

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	3	0.25	12	775	0.73	Diesel

Boilers

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

Equipment Type	Number
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10.1 Stationary Sources

Unmitigated/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	
Equipment Type	lb/day										lb/day						
Emergency Generator - Diesel (750,0000 LID)	0.1315	0.4677	2.4322	4.5800e-003		0.0187	0.0187		0.0187	0.0187							
Total	0.1315	0.4677	2.4322	4.5800e-003		0.0187	0.0187		0.0187	0.0187							

11.0 Vegetation

Sunset Gower Project (Interim) - Los Angeles-South Coast County, Winter

Sunset Gower Project (Interim)
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	732.31	1000sqft	15.90	732,309.00	0
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Industrial Park	196.02	1000sqft	0.00	196,018.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	985.00	Space	0.00	394,000.00	0
Enclosed Parking with Elevator	1,398.00	Space	0.00	559,200.00	0
Unenclosed Parking Structure	354.00	Space	0.00	141,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	570	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP RPS Value for 2028

Land Use - Site Specific

Construction Phase - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Trips and VMT - Site Specific

Demolition -

Grading -

Vehicle Trips - Site Specific

Energy Use - Code Requirements

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Emergency Generators and Fire Pumps EF - BACT AQMD

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	732,310.00	732,309.00
tblLandUse	LandUseSquareFeet	196,020.00	196,018.00
tblLandUse	LotAcreage	16.81	15.90

tblLandUse	LotAcreage	4.50	0.00
tblLandUse	LotAcreage	12.58	0.00
tblLandUse	LotAcreage	8.87	0.00
tblLandUse	LotAcreage	3.19	0.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	570
tblStationaryGeneratorsPumpsEF	NOX_EF	4.56	0.50
tblStationaryGeneratorsPumpsEF	PM10_EF	0.15	0.02
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.15	0.02
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	3.1000e-004
tblVehicleTrips	CC_TL	8.40	7.47
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	PB_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	0.00	4,732.36
tblVehicleTrips	ST_TR	0.00	113.99
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	0.00	4,732.36
tblVehicleTrips	SU_TR	0.00	113.99
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	0.00	4,732.36
tblVehicleTrips	WD_TR	0.00	113.99

2.0 Emissions Summary

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	lb/day											lb/day				
Area	21.2443	3.3900e-003	0.3738	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003						
Energy	0.2855	2.5957	2.1804	0.0156		0.1973	0.1973		0.1973	0.1973						
Mobile	6.5931	28.9970	79.9287	0.3067	27.3688	0.2402	27.6090	7.3235	0.2233	7.5468						
Stationary	0.1315	0.4677	2.4322	4.5800e-003		0.0187	0.0187		0.0187	0.0187						
Total	28.2545	32.0638	84.9151	0.3268	27.3688	0.4575	27.8263	7.3235	0.4406	7.7641						

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	lb/day											lb/day					
Area	21.2443	3.3900e-003	0.3738	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003							
Energy	0.2581	2.3459	1.9705	0.0141		0.1783	0.1783		0.1783	0.1783							
Mobile	6.5931	28.9970	79.9287	0.3067	27.3688	0.2402	27.6090	7.3235	0.2233	7.5468							
Stationary	0.1315	0.4677	2.4322	4.5800e-003		0.0187	0.0187		0.0187	0.0187							
Total	28.2270	31.8140	84.7052	0.3253	27.3688	0.4385	27.8073	7.3235	0.4216	7.7451							
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Percent Reduction	0.10	0.78	0.25	0.46	0.00	4.15	0.07	0.00	4.31	0.24	0.00	0.00	0.00	0.00	0.00	0.00	

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	lb/day											lb/day					
Mitigated	6.5931	28.9970	79.9287	0.3067	27.3688	0.2402	27.6090	7.3235	0.2233	7.5468							
Unmitigated	6.5931	28.9970	79.9287	0.3067	27.3688	0.2402	27.6090	7.3235	0.2233	7.5468							

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated			Mitigated		
	Weekday	Saturday	Sunday	Annual VMT			Annual VMT		
Enclosed Parking with Elevator	0.00	0.00	0.00						
Enclosed Parking with Elevator	0.00	0.00	0.00						
General Office Building	0.00	0.00	0.00						
Industrial Park	0.00	0.00	0.00						
Unenclosed Parking Structure	0.00	0.00	0.00						
User Defined Commercial	4,732.36	4,732.36	4732.36		12,867.665			12,867.665	
User Defined Industrial	113.99	113.99	113.99		4,149			4,149	
Total	4,846.35	4,846.35	4,846.35		12,871,815			12,871,815	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
Unenclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

User Defined Commercial	0.00	7.47	0.00	0.00	100.00	0.00	100	0	0	0
User Defined Industrial	0.00	0.00	0.00	0.00	100.00	0.00	0	0	0	100

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
General Office Building	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Industrial Park	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Unenclosed Parking Structure	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
User Defined Commercial	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
User Defined Industrial	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2581	2.3459	1.9705	0.0141		0.1783	0.1783		0.1783	0.1783						
NaturalGas Unmitigated	0.2855	2.5957	2.1804	0.0156		0.1973	0.1973		0.1973	0.1973						

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	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
General Office Building	20885.9	0.2252	2.0476	1.7200	0.0123		0.1556	0.1556		0.1556	0.1556						
Industrial Park	5590.54	0.0603	0.5481	0.4604	3.2900e-003		0.0417	0.0417		0.0417	0.0417						
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Total		0.2855	2.5957	2.1804	0.0156		0.1973	0.1973		0.1973	0.1973						

Mitigated

	Natural Gas 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	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
General Office Building	18.8755	0.2036	1.8505	1.5545	0.0111		0.1406	0.1406		0.1406	0.1406						
Industrial Park	5.05243	0.0545	0.4953	0.4161	2.9700e-003		0.0377	0.0377		0.0377	0.0377						
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Total		0.2581	2.3459	1.9705	0.0141		0.1783	0.1783		0.1783	0.1783						

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	lb/day										lb/day					
Mitigated	21.2443	3.3900e-003	0.3738	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003						
Unmitigated	21.2443	3.3900e-003	0.3738	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003						

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	lb/day										lb/day					
Architectural Coating	2.4411					0.0000	0.0000		0.0000	0.0000						
Consumer Products	18.7687					0.0000	0.0000		0.0000	0.0000						
Landscaping	0.0345	3.3900e-003	0.3738	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003						
Total	21.2443	3.3900e-003	0.3738	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003						

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	lb/day										lb/day					

Architectural Coating	2.4411				0.0000	0.0000	0.0000	0.0000			
Consumer Products	18.7687				0.0000	0.0000	0.0000	0.0000			
Landscaping	0.0345	3.3900e-003	0.3738	3.0000e-005	1.3300e-003	1.3300e-003	1.3300e-003	1.3300e-003			
Total	21.2443	3.3900e-003	0.3738	3.0000e-005		1.3300e-003	1.3300e-003	1.3300e-003	1.3300e-003		

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	3	0.25	12	775	0.73	Diesel

Boilers

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

User Defined Equipment

Equipment Type	Number
----------------	--------

10.1 Stationary Sources

Unmitigated/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	
Equipment Type	lb/day										lb/day						
Emergency Generator - Diesel (750,000 LBD)	0.1315	0.4677	2.4322	4.5800e-003		0.0187	0.0187		0.0187	0.0187							
Total	0.1315	0.4677	2.4322	4.5800e-003		0.0187	0.0187		0.0187	0.0187							

11.0 Vegetation

Greenhouse Gas Worksheets

- Summary of GHG Emissions and Modeling Assumptions
- Electric Vehicle Modeling Parameters
- CalEEMod Output Files
 - GHG Regional Construction
 - GHG Baseline
 - GHG Baseline (Buildout)
 - GHG Buildout
 - GHG Buildout (No MXD or MM)

Sunset Gower Studios Preservation and Enhancement Plan

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- Summary of GHG Emissions and Modeling Assumptions

GHG SOURCE CALCULATIONS:

ENERGY

Calculation of Carbon Intensity Factor for RPS of 50 Percent (Consistent with SB 350) based on LADWP 2016 Integrated Resource Plan, December 2016

Year	Year
-2016 = 840 lb/MWh	2018
-Post 2030 with an RPS of 50% = 525 lb/MWh	795

Consistent with Section 120.6(c), Mandatory Requirements for Enclosed Parking Garages, the ventilation rate shall be at least 0.15 cfm/sq ft when the garage is scheduled to be occupied.

Buildout Parking Garage Ventilation

Square Footage =	953,200 ft ²
Minimum Ventilation =	0.15 cfm/ft ²
Flowrate =	142980 cfm
Number of Fans (12,000 cfm)	11.9 fans
Number of Fans	12 fans
Horsepower per Fan	9 hp
Horsepower to kW Conv.	0.746 kW per hp
Total kW =	80.568
Annual kW =	352,888 conservatively assumes operational 50 percent of the time even though it would only be operational when CO sensors read CO concentrations in excess of 25 ppm (2013 Building Energy Efficiency Standards)
Usage Rate:	0.37 kWh/sq ft annual
Adjustment:	0.41 (CalEEMod applies mitigation to all land uses. So, this adjustment accounts for the 10% reduction in Title 24 standards associated with LEED Silver)

Buildout Parking Garage Lighting

Square Footage =	1,094,800 ft ²
Allowed Lighting Power =	0.2 watts per ft ² (Table 140.6 (Complete Building Method Lighting Power Density Value) of the 2013 Building Energy Efficiency Standards)
Annual kW =	1,913,294 conservatively assumes maximum lighting power 24 hours per day
Annual kW/Sq ft =	1.75 kWh/sq ft annual
Adjustment:	2.33 (CalEEMod applies mitigation to all land uses. So, this adjustment accounts for the 25% reduction in lighting associated with LEED Silver)

Elevator (no change CalEEMod Default)

0.19 kWh/sq ft annual

Summary of GHG Emissions

Area	Baseline (2018)	Baseline (Buildout)	Buildout-No PDFs	Buildout-PDFs	Other Reductions	Project	% Reduction	% Project
Energy	4,240	2,736	4,842	4,413	-	1,677	-9%	36%
Mobile	4,694	3,655	8,055	5,966		2,311	-26%	50%
EV Chargers			(22)	(22)		(22)		
Emergency Generators	4	4	11	11		7	0%	0%
Waste	76	76	127	127		51	0%	1%
Water	899	692	1,231	984		292	-20%	6%
Construction			332	332		332	0%	7%
Total	9,913	7,163	14,575	11,811		4,648	-19%	100%

APPLICABLE GHG REDUCTION MEASURES Included within CalEEMod

Energy Reduction Measures Included in CalEEMod Run:

High Efficiency Lighting (25%)
Title 24 10% (2019 Standards more stringent than 2016 Standards)
Energy Star

Water Reduction Measures Included in CalEEMod Run:

20% below baseline requirements

Waste Diversion Rate Reduction Measures Included in CalEEMod Run:

Consistency with LA County Diversion Rate of 76.4

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- Electric Vehicle Modeling Parameters

GHG Emissions Reductions for Commercial Uses Associated with City Requirements for Electric Vehicle Charging Stations/Plugins

Step 1: Estimating GHG Emissions Reduction to Replace Gasoline/Diesel Vehicle with Electric Vehicle

LADWP Electricity Emission Factor ¹	0.29 MTCO2E/MWh
Fuel Economy of Electric Vehicle ²	0.25 kWh/mile
Gasoline/Diesel CO2 Emissions While Running ³	242.7 grams/mile
Annual VMT Reduction per Parking Spot ⁴	9,125 miles/charging station/year
Number of On-Site Chargers	14
Annual VMT Reduction All Stations/Plugins (Based on Charge)	127,750

Step 2: Estimating GHG Emissions Reduction from Installing Electric Vehicle Charging Stations/Plugins

GHG Emissions of Gasoline/Diesel Vehicle	31 MTCO2E/MWh
GHG Emissions of Electric Vehicle	9 MTCO2E/MWh
GHG Emissions Reduction	22 MTCO2E/MWh

Notes:

1) CO2 intensity factor reflects a 2028 RPS for LADWP (570 lbs of CO2E/MWh).

2) US Department of Energy, 2013. Benefits and Considerations of Electricity as a Vehicle Fuel. Available at: http://afdc.energy.gov/fuels/electricity_benefits.html.

3) CARB, 2017. EMFAC2017, running exhaust emission rate for CO2 and CH4 for light duty gasoline- and diesel-powered vehicles in Los Angeles, aggregated for all models and speeds, averaged over all seasons for 2028. 4) Annual VMT reduction estimated based on an estimate of 10 hours of charge time for a Level 2 charging station that charges at a rate of 25 driving range per hour. It is conservatively assumed that 10% of the miles charged would be driven by the charged vehicles.

EMFAC2017 (v1.0.2) Emission Rates

Region Type: County

Region: LOS ANGELES

Calendar Year: 2028

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Region	Calendar Y	Vehicle	Cat	Model	Yea	Speed	Fuel	Population	VMT	Trips	CO2_RUNE	Total
LOS ANGEL	2028	LDA	Aggregate	Aggregate	c	GAS		4260666	151032519.1	20071135	237.4513	35862862683
LOS ANGEL	2028	LDA	Aggregate	Aggregate	c	DSL		45151.76	1679125.713	216188	186.4586	313087366.6
LOS ANGEL	2028	LDA	Aggregate	Aggregate	c	ELEC		170919.7	6950369.331	842885.9	0	0
LOS ANGEL	2028	LDT1	Aggregate	Aggregate	c	GAS		547345.8	18937123.51	2537623	278.4209	5272490469
LOS ANGEL	2028	LDT1	Aggregate	Aggregate	c	DSL		138.0171	3764.186379	544.2273	412.5673	1552980.373
LOS ANGEL	2028	LDT1	Aggregate	Aggregate	c	ELEC		11328.09	469619.7788	56210.56	0	0
LOS ANGEL	2028	LDT2	Aggregate	Aggregate	c	GAS		1555369	54793345.98	7301460	284.7045	15599912851
LOS ANGEL	2028	LDT2	Aggregate	Aggregate	c	DSL		13534.57	504449.4711	65431.78	252.9834	127617345.3
LOS ANGEL	2028	LDT2	Aggregate	Aggregate	c	ELEC		40872.84	1170687.267	202752.8	0	0
								235541004.3			57177523695	242.7498 average g/mile

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- CalEEMod Output Files
 - GHG Regional Construction
 - GHG Baseline
 - GHG Baseline (Buildout)
 - GHG Buildout
 - GHG Buildout (No MXD or MM)

Sunset Gower Studios (Regional GHG Construction) - Los Angeles-South Coast County, Annual

Sunset Gower Studios (Regional GHG Construction)
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	599.35	1000sqft	15.90	599,350.00	0
Industrial Park	26.17	1000sqft	0.00	26,170.00	0
Enclosed Parking with Elevator	985.00	Space	0.00	394,000.00	0
Unenclosed Parking Structure	354.00	Space	0.00	141,600.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2028
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	570	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP RPS Value for 2028

Land Use - Site Specific

Construction Phase - Site Specific

Off-road Equipment - Site Specific

Trips and VMT - Site Specific

Demolition -

Grading -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00

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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	UsageHours	7.00	8.00
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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																	3,301.728 5
2022																	2,535.250 8
2023																	1,369.955 9
2024																	1,580.878 4
2025																	1,171.481 1
Maximum																	3,301.728 5

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																	3,301.727 7
2022																	2,535.250 1
2023																	1,369.955 5
2024																	1,580.877 9
2025																	1,171.480 6
Maximum																	3,301.727 7

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	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)							
		Highest														

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 (Total)	Demolition	1/1/2021	1/24/2021	5	83	
2	Grading (Bldg A, Parking Structure)	Grading	4/25/2021	7/24/2021	5	65	
3	Mat Foundation (Bldg A, Parking Structure)	Trenching	7/25/2021	8/7/2021	5	10	
4	Grading (Subterreanen Parking Structure)	Grading	8/8/2021	10/22/2021	5	54	
5	Building Construction (Bldg A, Parking Structure)	Building Construction	8/8/2021	4/7/2024	5	695	
6	Mat Foundation (Subterreanen Parking Structure)	Trenching	10/23/2021	11/5/2021	5	10	

7	Building Construction (Subterreanen Parking Structure)	Building Construction	11/6/2021	11/4/2022	5	260
8	Architectural Coating	Architectural Coating	1/1/2024	10/24/2025	5	473
9	Grading (Bldg B and C)	Grading	4/1/2024	4/10/2024	5	7
10	Matt Foundation (Bldg B and C)	Trenching	4/11/2024	4/23/2024	5	10
11	Building Construction (Bldg B and C)	Building Construction	4/24/2024	10/24/2025	5	392

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 938,280; Non-Residential Outdoor: 312,760; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition (Total)	Aerial Lifts	2	8.00	63	0.31
Demolition (Total)	Air Compressors	2	8.00	78	0.48
Demolition (Total)	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition (Total)	Excavators	1	8.00	158	0.38
Demolition (Total)	Rubber Tired Dozers	1	8.00	247	0.40
Demolition (Total)	Skid Steer Loaders	1	8.00	65	0.37
Demolition (Total)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading (Bldg A, Parking Structure)	Air Compressors	1	8.00	78	0.48
Grading (Bldg A, Parking Structure)	Bore/Drill Rigs	2	8.00	221	0.50
Grading (Bldg A, Parking Structure)	Cranes	2	8.00	231	0.29
Grading (Bldg A, Parking Structure)	Excavators	2	8.00	158	0.38
Grading (Bldg A, Parking Structure)	Graders	0	8.00	187	0.41
Grading (Bldg A, Parking Structure)	Rubber Tired Dozers	0	8.00	247	0.40
Grading (Bldg A, Parking Structure)	Scrapers	0	8.00	367	0.48
Grading (Bldg A, Parking Structure)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Mat Foundation (Bldg A, Parking Structure)	Cement and Mortar Mixers	4	8.00	9	0.56
Mat Foundation (Bldg A, Parking Structure)	Pumps	4	8.00	84	0.74
Mat Foundation (Bldg A, Parking Structure)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Mat Foundation (Bldg A, Parking Structure)	Welders	2	8.00	46	0.45
Grading (Subterreanen Parking Structure)	Air Compressors	1	8.00	78	0.48
Grading (Subterreanen Parking Structure)	Bore/Drill Rigs	2	8.00	221	0.50
Grading (Subterreanen Parking Structure)	Cranes	2	8.00	231	0.29
Grading (Subterreanen Parking Structure)	Excavators	2	8.00	158	0.38
Grading (Subterreanen Parking Structure)	Graders	0	8.00	187	0.41
Grading (Subterreanen Parking Structure)	Rubber Tired Dozers	0	8.00	247	0.40
Grading (Subterreanen Parking Structure)	Rubber Tired Loaders	0	8.00	203	0.36
Grading (Subterreanen Parking Structure)	Scrapers	0	8.00	367	0.48
Grading (Subterreanen Parking Structure)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction (Bldg A, Parking Structure)	Aerial Lifts	2	8.00	63	0.31
Building Construction (Bldg A, Parking Structure)	Air Compressors	2	8.00	78	0.48
Building Construction (Bldg A, Parking Structure)	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction (Bldg A, Parking Structure)	Cranes	0	7.00	231	0.29
Building Construction (Bldg A, Parking Structure)	Forklifts	2	8.00	89	0.20
Building Construction (Bldg A, Parking Structure)	Generator Sets	0	8.00	84	0.74
Building Construction (Bldg A, Parking Structure)	Pumps	1	8.00	84	0.74
Building Construction (Bldg A, Parking Structure)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction (Bldg A, Parking Structure)	Welders	2	8.00	46	0.45

Mat Foundation (Subterreanen Parking Structure)	Cement and Mortar Mixers	4	8.00	9	0.56
Mat Foundation (Subterreanen Parking Structure)	Pumps	4	8.00	84	0.74
Mat Foundation (Subterreanen Parking Structure)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Mat Foundation (Subterreanen Parking Structure)	Welders	2	8.00	46	0.45
Building Construction (Subterreanen Parking Structure)	Aerial Lifts	2	8.00	63	0.31
Building Construction (Subterreanen Parking Structure)	Air Compressors	2	8.00	78	0.48
Building Construction (Subterreanen Parking Structure)	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction (Subterreanen Parking Structure)	Cranes	0	7.00	231	0.29
Building Construction (Subterreanen Parking Structure)	Forklifts	2	8.00	89	0.20
Building Construction (Subterreanen Parking Structure)	Generator Sets	0	8.00	84	0.74
Building Construction (Subterreanen Parking Structure)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction (Subterreanen Parking Structure)	Welders	2	8.00	46	0.45
Architectural Coating	Air Compressors	2	8.00	78	0.48
Grading (Bldg B and C)	Bore/Drill Rigs	2	8.00	221	0.50
Grading (Bldg B and C)	Cranes	2	7.00	231	0.29
Grading (Bldg B and C)	Excavators	2	8.00	158	0.38
Grading (Bldg B and C)	Forklifts	0	8.00	89	0.20
Grading (Bldg B and C)	Generator Sets	0	8.00	84	0.74
Grading (Bldg B and C)	Graders	0	8.00	187	0.41
Grading (Bldg B and C)	Rubber Tired Dozers	0	8.00	247	0.40
Grading (Bldg B and C)	Rubber Tired Loaders	0	8.00	203	0.36
Grading (Bldg B and C)	Scrapers	0	8.00	367	0.48
Grading (Bldg B and C)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading (Bldg B and C)	Welders	0	8.00	46	0.45
Matt Foundation (Bldg B and C)	Cement and Mortar Mixers	4	8.00	9	0.56
Matt Foundation (Bldg B and C)	Pumps	4	8.00	84	0.74
Matt Foundation (Bldg B and C)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Matt Foundation (Bldg B and C)	Welders	2	8.00	46	0.45
Building Construction (Bldg B and C)	Aerial Lifts	2	8.00	63	0.31
Building Construction (Bldg B and C)	Air Compressors	2	6.00	78	0.48
Building Construction (Bldg B and C)	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction (Bldg B and C)	Cranes	0	7.00	231	0.29
Building Construction (Bldg B and C)	Excavators	0	8.00	158	0.38
Building Construction (Bldg B and C)	Forklifts	2	8.00	89	0.20
Building Construction (Bldg B and C)	Generator Sets	0	8.00	84	0.74
Building Construction (Bldg B and C)	Pumps	1	8.00	84	0.74
Building Construction (Bldg B and C)	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction (Bldg B and C)	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction (Bldg B and C)	Welders	2	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
Demolition (Total)	11	60.00	0.00	755.00	19.80	7.90	25.00	LD_Mix	HDT_Mix	HHDT
Grading (Bldg A, Parking Structure)	9	60.00	0.00	20,410.00	19.80	7.90	25.00	LD_Mix	HDT_Mix	HHDT
Mat Foundation (Bldg A, Parking Structure)	11	60.00	500.00	0.00	19.80	7.90	20.00	LD_Mix	HHDT	HHDT
Grading (Subterreanen Parking Structure)	9	60.00	0.00	16,956.00	19.80	7.90	25.00	LD_Mix	HDT_Mix	HHDT
Building Construction (Bldg A, Parking)	12	500.00	60.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Mat Foundation (Subterreanen Parking)	11	60.00	460.00	0.00	19.80	7.90	20.00	LD_Mix	HHDT	HHDT
Building Construction (Subterreanen Parking)	11	500.00	60.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT

Architectural Coating	2	0.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading (Bldg B and C)	8	60.00	0.00	2,198.00	19.80	7.90	25.00	LD_Mix	HDT_Mix	HHDT
Matt Foundation (Bldg B and C)	11	60.00	276.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction (Bldg B and C)	12	500.00	60.00	0.00	19.80	7.90	20.00	LD_Mix	HHDT	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition (Total) - 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
Off-Road																162.1562
Total																162.1562

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																34.2579
Vendor																0.0000
Worker																32.2217
Total																66.4796

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
Off-Road																162.1560
Total																162.1560

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																	34.2579
Vendor																	0.0000
Worker																	32.2217
Total																	66.4796

3.3 Grading (Bldg A, Parking Structure) - 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
Off-Road																	146.1330
Total																	146.1330

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																	948.9636
Vendor																	0.0000
Worker																	25.8569
Total																	974.8205

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
Off-Road																	146.1328
Total																	146.1328

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																	948.9636
Vendor																	0.0000
Worker																	25.8569
Total																	974.8205

3.4 Mat Foundation (Bldg A, Parking Structure) - 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																	15.5027
Total																	15.5027

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
Vendor																	90.3043
Worker																	3.9780
Total																	94.2823

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																	15.5027
Total																	15.5027

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
Vendor																	90.3043
Worker																	3.9780
Total																	94.2823

3.5 Grading (Subterreanen Parking Structure) - 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
Off-Road																	123.6510
Total																	123.6510

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																	802.9692
Vendor																	0.0000
Worker																	21.8790
Total																	824.8482

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
Off-Road																	123.6509
Total																	123.6509

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																	802.9692
Vendor																	0.0000
Worker																	21.8790
Total																	824.8482

3.6 Building Construction (Bldg A, Parking Structure) - 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																	146.4844
Total																	146.4844

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
Vendor																	86.6446
Worker																	348.0742
Total																	434.7187

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																	146.4842
Total																	146.4842

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
Vendor																	86.6446
Worker																	348.0742
Total																	434.7187

3.6 Building Construction (Bldg A, Parking Structure) - 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																	362.7765
Total																	362.7765

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
Vendor																	212.6509
Worker																	831.5533
Total																	1,044.2042

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																	362.7761
Total																	362.7761

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
Vendor																	212.6509
Worker																	831.5533
Total																	1,044.2042

3.6 Building Construction (Bldg A, Parking Structure) - 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																	362.8225
Total																	362.8225

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
Vendor																	206.0522
Worker																	801.0812
Total																	1,007.1334

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																	362.8221
Total																	362.8221

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
Vendor																	206.0522
Worker																	801.0812
Total																	1,007.133
																	4

3.6 Building Construction (Bldg A, Parking Structure) - 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																	97.6899
Total																	97.6899

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
Vendor																	55.2632
Worker																	208.9847
Total																	264.2479

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																	97.6898
Total																	97.6898

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
Vendor																	55.2632
Worker																	208.9847
Total																	264.2479

3.7 Mat Foundation (Subterreanen Parking Structure) - 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																	15.5027
Total																	15.5027

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
Vendor																	83.0800
Worker																	3.9780
Total																	87.0580

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																	15.5027
Total																	15.5027

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
Vendor																	83.0800
Worker																	3.9780
Total																	87.0580

3.8 Building Construction (Subterreanen Parking Structure) -

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																	44.4840
Total																	44.4840

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
Vendor																	33.0075
Worker																	132.5997
Total																	165.6071

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																	44.4839
Total																	44.4839

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
Vendor																	33.0075
Worker																	132.5997
Total																	165.6071

3.8 Building Construction (Subterreanen Parking Structure) -

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																	244.7126
Total																	244.7126

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
Vendor																	179.9354
Worker																	703.6220
Total																	883.5574

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																	244.7123
Total																	244.7123

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
Vendor																	179.9354
Worker																	703.6220
Total																	883.5574

3.9 Architectural Coating - 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																	0.0000
Off-Road																	89.3192
Total																	89.3192

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
Vendor																	0.0000
Worker																	0.0000
Total																	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					
Archit. Coating																	0.0000
Off-Road																	89.3191
Total																	89.3191

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
Vendor																	0.0000
Worker																	0.0000
Total																	0.0000

3.9 Architectural Coating - 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																	0.0000
Off-Road																	72.6113
Total																	72.6113

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
Vendor																	0.0000
Worker																	0.0000
Total																	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					
Archit. Coating																	0.0000
Off-Road																	72.6112
Total																	72.6112

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
Vendor																	0.0000
Worker																	0.0000
Total																	0.0000

3.10 Grading (Bldg B and C) - 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				
Fugitive Dust																	0.0000
Off-Road																	16.1567
Total																	16.1567

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																	110.1255
Vendor																	0.0000
Worker																	2.8661
Total																	112.9916

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
Off-Road																	16.1566
Total																	16.1566

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																	110.1255
Vendor																	0.0000
Worker																	2.8661
Total																	112.9916

3.11 Matt Foundation (Bldg B and C) - 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																	13.9521
Total																	13.9521

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
Vendor																	32.6843
Worker																	3.2243
Total																	35.9086

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																	13.9521
Total																	13.9521

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
Vendor																	32.6843
Worker																	3.2243
Total																	35.9086

3.12 Building Construction (Bldg B and C) - 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																	229.6521
Total																	229.6521

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
Vendor																	183.5712
Worker																	537.3892
Total																	720.9603

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																	229.6518
Total																	229.6518

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
Vendor																	183.5712
Worker																	537.3892
Total																	720.9603

3.12 Building Construction (Bldg B and C) - 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																	271.7895
Total																	271.7895

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
Vendor																	215.8165
Worker																	611.2636
Total																	827.0803

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																	271.7892
Total																	271.7892

Mitigated Construction Off-Site

Sunset Gower Studios Enhancement Plan
Existing GHG Emissions

CalEEMod Version: CalEEMod.2016.3.2

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Date: 2/12/2020 6:08 PM

Sunset Gower (Baseline) - Los Angeles-South Coast County, Annual

Sunset Gower (Baseline)
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	378.98	1000sqft	15.90	378,980.00	0
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Industrial Park	231.11	1000sqft	0.00	231,108.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	1,398.00	Space	0.00	559,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2018
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	795	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP RPS Value for 2018

Land Use - Site Specific

Construction Phase - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Trips and VMT - Site Specific

Demolition -

Grading -

Vehicle Trips - Site Specific

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use - Code Requirements

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	2.63	1.75

Sunset Gower Studios Enhancement Plan
Existing GHG Emissions

tblEnergyUse	T24E	3.92	0.38
tblLandUse	LandUseSquareFeet	231,110.00	231,108.00
tblLandUse	LotAcreage	8.70	15.90
tblLandUse	LotAcreage	5.31	0.00
tblLandUse	LotAcreage	12.58	0.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	795
tblVehicleTrips	CC_TL	8.40	7.47
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	PB_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	0.00	3,628.00
tblVehicleTrips	ST_TR	0.00	132.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	0.00	3,628.00
tblVehicleTrips	SU_TR	0.00	132.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	0.00	3,628.00
tblVehicleTrips	WD_TR	0.00	132.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	MT/yr					
Area	0.0000	0.0499	0.0499	1.4000e-004	0.00	0.0533
Energy	0.0000	4,225.6549	4,225.6549	0.1471	0.0363	4,240.1388
Mobile	0.0000	4,686.7150	4,686.7150	0.2985	0.0000	4,694.1783
Stationary	0.0000	3.5414	3.5414	5.0000e-004	0.00	3.5538
Waste	129.7173	0.0000	129.7173	7.6661	0.0000	321.3692
Water	38.3248	732.6144	770.9393	3.9631	0.0985	899.3609

Sunset Gower Studios Enhancement Plan
Existing GHG Emissions

Total	168.0421	9,648.5756	9,816.6 177	12.0754	0.13 47	10,158.6542
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Mitigated Operational

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	MT/yr					
Area	0.0000	0.0499	0.0499	1.4000e-004	0.00	0.0533
Energy	0.0000	4,225.6549	4,225.6 549	0.1471	0.03 63	4,240.1388
Mobile	0.0000	4,686.7150	4,686.7 150	0.2985	0.00	4,694.1783
Stationary	0.0000	3.5414	3.5414	5.0000e-004	0.00	3.5538
Waste	30.6133	0.0000	30.613 3	1.8092	0.00	75.8431
Water	38.3248	732.6144	770.93 93	3.9631	0.09 85	899.3609
Total	68.9381	9,648.5756	9,717.5 137	6.2185	0.13 47	9,913.1282

	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	58.98	0.00	1.01	48.50	0.00	2.42

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	MT/yr					
Mitigated	0.0000	4,686.7150	4.68 6.71 50	0.2985	0.00	4,694.1783
Unmitigated	0.0000	4,686.7150	4.68 6.71 50	0.2985	0.00	4,694.1783

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Industrial Park	0.00	0.00	0.00		
User Defined Commercial	3,628.00	3,628.00	3,628.00	9,865,492	9,865,492
User Defined Industrial	132.00	132.00	132.00	4,805	4,805
Total	3,760.00	3,760.00	3,760.00	9,870,297	9,870,297

4.3 Trip Type Information

Sunset Gower Studios Enhancement Plan
Existing GHG Emissions

Land Use	Miles			Trip %			Trip Purpose %		
	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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
User Defined Commercial	0.00	7.47	0.00	0.00	100.00	0.00	100	0	0
User Defined Industrial	0.00	0.00	0.00	0.00	100.00	0.00	0	0	100

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.547972	0.046127	0.199330	0.125604	0.017697	0.005953	0.018360	0.027618	0.002341	0.002583	0.004804	0.000667	0.000944
General Office Building	0.547972	0.046127	0.199330	0.125604	0.017697	0.005953	0.018360	0.027618	0.002341	0.002583	0.004804	0.000667	0.000944
Industrial Park	0.547972	0.046127	0.199330	0.125604	0.017697	0.005953	0.018360	0.027618	0.002341	0.002583	0.004804	0.000667	0.000944
User Defined Commercial	0.547972	0.046127	0.199330	0.125604	0.017697	0.005953	0.018360	0.027618	0.002341	0.002583	0.004804	0.000667	0.000944
User Defined Industrial	0.547972	0.046127	0.199330	0.125604	0.017697	0.005953	0.018360	0.027618	0.002341	0.002583	0.004804	0.000667	0.000944

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	MT/yr					
Electricity Mitigated	0.0000	3,820.6506	3.82	0.1394	0.0	3,832.7277
Electricity Unmitigated	0.0000	3,820.6506	3.82	0.1394	0.0	3,832.7277
NaturalGas Mitigated	0.0000	405.0043	405.	7.7600e-003	7.4	407.4111
NaturalGas Unmitigated	0.0000	405.0043	405.	7.7600e-003	7.4	407.4111

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.00	0.0000	0.0000	0	0.0000
General Office Building	4.71451e+006	0.0000	251.	251.5843	4.820	4.6100e-003	253.0793
Industrial Park	2.87498e+006	0.0000	153.	153.4201	2.940	2.8100e-003	154.3318
User Defined Commercial	0	0.0000	0.00	0.0000	0.0000	0	0.0000
User Defined Industrial	0	0.0000	0.00	0.0000	0.0000	0	0.0000
Total		0.0000	405.	405.0043	7.760	7.4200e-003	407.4111

Sunset Gower Studios Enhancement Plan
Existing GHG Emissions

Mitigated

	Natural Gas Use	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	4.71451e+006	0.0000	251.5843	261.5843	4.8201e-003	4.6100e-003	253.0793
Industrial Park	2.87498e+006	0.0000	153.4201	153.4201	2.9401e-003	2.8100e-003	154.3318
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	405.0043	405.0043	7.760e-003	7.4200e-003	407.4111

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.29734e+006	467.8300	0.0171	3.5300e-003	469.3088
General Office Building	5.77566e+006	2,082.7355	0.0760	0.0157	2,089.3191
Industrial Park	3.52209e+006	1,270.0851	0.0463	9.5900e-003	1,274.0998
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		3,820.6506	0.1394	0.0288	3,832.7277

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.29734e+006	467.8300	0.0171	3.5300e-003	469.3088
General Office Building	5.77566e+006	2,082.7355	0.0760	0.0157	2,089.3191
Industrial Park	3.52209e+006	1,270.0851	0.0463	9.5900e-003	1,274.0998
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		3,820.6506	0.1394	0.0288	3,832.7277

6.0 Area Detail

6.1 Mitigation Measures Area

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	MT/yr					
Mitigated	0.0000	0.0499	0.0499	1.4000e-004	0.00	0.0533
Unmitigated	0.0000	0.0499	0.0499	1.4000e-004	0.00	0.0533

6.2 Area by SubCategory

Unmitigated

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	MT/yr					
Architectural Coating	0.0000	0.0000	0.0000	0.0000	0.00	0.0000
Consumer Products	0.0000	0.0000	0.0000	0.0000	0.00	0.0000
Landscaping	0.0000	0.0499	0.0499	1.4000e-004	0.00	0.0533
Total	0.0000	0.0499	0.0499	1.4000e-004	0.00	0.0533

Mitigated

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	MT/yr					
Architectural Coating	0.0000	0.0000	0.0000	0.0000	0.00	0.0000
Consumer Products	0.0000	0.0000	0.0000	0.0000	0.00	0.0000
Landscaping	0.0000	0.0499	0.0499	1.4000e-004	0.00	0.0533
Total	0.0000	0.0499	0.0499	1.4000e-004	0.00	0.0533

7.0 Water Detail

7.1 Mitigation Measures Water

Sunset Gower Studios Enhancement Plan
Existing GHG Emissions

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	770.9393	3.9631	0.0985	899.3609
Unmitigated	770.9393	3.9631	0.0985	899.3609

7.2 Water by Land Use

Unmitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	67.3575 / 41.2837	503.0394	2.2124	0.0555	574.8770
Industrial Park	53.4442 / 0	267.8999	1.7506	0.0430	324.4839
User Defined Commercial	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		770.9393	3.9631	0.0985	899.3609

Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	67.3575 / 41.2837	503.0394	2.2124	0.0555	574.8770
Industrial Park	53.4442 / 0	267.8999	1.7506	0.0430	324.4839
User Defined Commercial	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		770.9393	3.9631	0.0985	899.3609

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Sunset Gower Studios Enhancement Plan
Existing GHG Emissions

Category/Year

	Total CO2	CH4	N2O	CO2e
MT/yr				
Mitigated	30.6133	1.8092	0.0000	75.8431
Unmitigated	129.7173	7.6661	0.0000	321.3692

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	352.45	71.5442	4.2281	0.0000	177.2476
Industrial Park	286.58	58.1732	3.4379	0.0000	144.1215
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		129.7173	7.6661	0.0000	321.3692

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	83.1782	16.8844	0.9978	0.0000	41.8304
Industrial Park	67.6329	13.7289	0.8114	0.0000	34.0127
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		30.6133	1.8092	0.0000	75.8431

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
Emergency Generator	1	0.25	12	775	0.73	Diesel

Boilers

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

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2 O	CO2e
Equipment Type	MT/yr					
Emergency Generator - Diesel (750,0000 HP)	0.0000	3.5414	3.54	5.00000e-004	0.000	3.5538
Total	0.0000	3.5414	3.54	5.00000e-004	0.000	3.5538

11.0 Vegetation

Sunset Gower Studios Enhancement Plan
Existing GHG Emissions (Buildout Year)

CalEEMod Version: CalEEMod.2016.3.2

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Sunset Gower (Baseline Buildout) - Los Angeles-South Coast County, Annual

**Sunset Gower (Baseline Buildout)
Los Angeles-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	378.98	1000sqft	15.90	378,980.00	0
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Industrial Park	231.11	1000sqft	0.00	231,108.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	1,398.00	Space	0.00	559,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2028
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	570	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP RPS Value for 2028

Land Use - Site Specific

Construction Phase - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Trips and VMT - Site Specific

Demolition -

Grading -

Vehicle Trips - User Defined Commercial = Primary Trips

User Defined Industrial = Primary Trips

Energy Use - Code Requirements

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	2.63	1.75
tblEnergyUse	LightingElect	4.63	3.77
tblEnergyUse	LightingElect	4.63	3.77
tblEnergyUse	T24E	3.92	0.38

**Sunset Gower Studios Enhancement Plan
Existing GHG Emissions (Buildout Year)**

tblEnergyUse	T24E	5.99	4.60
tblEnergyUse	T24E	5.99	4.60
tblEnergyUse	T24NG	12.05	10.02
tblEnergyUse	T24NG	12.05	10.02
tblLandUse	LandUseSquareFeet	231,110.00	231,108.00
tblLandUse	LotAcreage	8.70	15.90
tblLandUse	LotAcreage	5.31	0.00
tblLandUse	LotAcreage	12.58	0.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	570
tblVehicleTrips	CC_TL	8.40	7.47
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	PB_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	0.00	3,628.00
tblVehicleTrips	ST_TR	0.00	132.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	0.00	3,628.00
tblVehicleTrips	SU_TR	0.00	132.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	0.00	3,628.00
tblVehicleTrips	WD_TR	0.00	132.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	MT/yr					
Area	0.0000	0.0499	0.0499	1.3000e-004	0.00	0.0531
Energy	0.0000	2,723.3409	2,723.3409	0.1278	0.0313	2,735.8673
Mobile	0.0000	3,651.4118	3,651.4118	0.1627	0.0000	3,655.4798
Stationary	0.0000	3.5414	3.5414	5.0000e-004	0.0000	3.5538

Sunset Gower Studios Enhancement Plan
Existing GHG Emissions (Buildout Year)

Waste	129.7173	0.0000	129.71	7.6661	0.00	321.3692
	73		00			
Water	38.3248	525.2707	563.59	3.9631	0.09	692.0172
	56		85			
Total	168.0421	6,903.6148	7,071.6	11.9203	0.12	7,408.3404
	569		98			

Mitigated Operational

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	MT/yr					
Area	0.0000	0.0499	0.0499	1.3000e-004	0.00	0.0531
Energy	0.0000	2,723.3409	2,723.3	0.1278	0.03	2,735.8673
Mobile	0.0000	3,651.4118	3,651.4	0.1627	0.00	3,655.4798
118						
Stationary	0.0000	3.5414	3.5414	5.0000e-004	0.00	3.5538
Waste	30.6133	0.0000	30.613	1.8092	0.00	75.8431
3						
Water	38.3248	525.2707	563.59	3.9631	0.09	692.0172
56			85			
Total	68.9381	6,903.6148	6,972.5	6.0634	0.12	7,162.8143
529			98			

	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	58.98	0.00	1.40	49.13	0.00	3.31

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	MT/yr					
Mitigated	0.0000	3,651.4118	3.65	0.1627	0.00	3,655.4798
1.41						
Unmitigated	0.0000	3,651.4118	3.65	0.1627	0.00	3,655.4798
1.41						
49						

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Industrial Park	0.00	0.00	0.00		
User Defined Commercial	3,628.00	3,628.00	3628.00	9,865,492	9,865,492
User Defined Industrial	132.00	132.00	132.00	4,805	4,805

Sunset Gower Studios Enhancement Plan
Existing GHG Emissions (Buildout Year)

Total	3,760.00	3,760.00	3,760.00	9,870,297	9,870,297
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4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
User Defined Commercial	0.00	7.47	0.00	0.00	100.00	0.00	100	0	0
User Defined Industrial	0.00	0.00	0.00	0.00	100.00	0.00	0	0	100

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
General Office Building	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Industrial Park	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
User Defined Commercial	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
User Defined Industrial	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	MT/yr					
Electricity Mitigated	0.0000	2,384.4265	2.38	0.1213	0.0	2,394.9389
Electricity Unmitigated	0.0000	2,384.4265	2.38	0.1213	0.0	2,394.9389
NaturalGas Mitigated	0.0000	338.9144	338	6.5000e-003	6.2	340.9284
NaturalGas Unmitigated	0.0000	338.9144	338	6.5000e-003	6.2	340.9284

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	MT/yr						
Enclosed Parking with Elevator	0	0.0000	0.00	0.0000	0.0000	0	0.0000	
General Office Building	3.94518e+006	0.0000	210.	210.5299	4.04013.8600e-003	003	211.7810	
Industrial Park	2.40583e+006	0.0000	128.	128.3845	2.460	2.3500e-002	003	129.1474
User Defined Commercial	0	0.0000	0.00	0.0000	0.0000	0	0.0000	

Sunset Gower Studios Enhancement Plan
Existing GHG Emissions (Buildout Year)

User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	338.9144	6.500e-003	6.2100e-003	340.9284

Mitigated

	Natural Gas Use	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	3.94518e+006	0.0000	210.5299	4.040e-003	3.8600e-003	211.7810	
Industrial Park	2.40583e+006	0.0000	128.3845	2.460e-003	2.3500e-003	129.1474	
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	338.9144	6.500e-003	6.2100e-003	340.9284	

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.29734e+006	335.4252	0.0171	3.5300e-003	336.9041
General Office Building	4.92295e+006	1,272.8172	0.0648	0.0134	1,278.4288
Industrial Park	3.00209e+006	776.1841	0.0395	8.1700e-003	779.6061
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		2,384.4265	0.1213	0.0251	2,394.9369

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.29734e+006	335.4252	0.0171	3.5300e-003	336.9041
General Office Building	4.92295e+006	1,272.8172	0.0648	0.0134	1,278.4288
Industrial Park	3.00209e+006	776.1841	0.0395	8.1700e-003	779.6061
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000

Sunset Gower Studios Enhancement Plan
Existing GHG Emissions (Buildout Year)

User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		2,384.4265	0.1213	0.0251	2,394.9389

6.0 Area Detail

6.1 Mitigation Measures Area

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	MT/yr					
Mitigated	0.0000	0.0499	0.0499	1.3000e-004	0.00	0.0531
Unmitigated	0.0000	0.0499	0.0499	1.3000e-004	0.00	0.0531

6.2 Area by SubCategory

Unmitigated

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	MT/yr					
Architectural Coating	0.0000	0.0000	0.0000	0.0000	0.00	0.0000
Consumer Products	0.0000	0.0000	0.0000	0.0000	0.00	0.0000
Landscaping	0.0000	0.0499	0.0499	1.3000e-004	0.00	0.0531
Total	0.0000	0.0499	0.0499	1.3000e-004	0.00	0.0531

Mitigated

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	MT/yr					
Architectural Coating	0.0000	0.0000	0.0000	0.0000	0.00	0.0000
Consumer Products	0.0000	0.0000	0.0000	0.0000	0.00	0.0000
Landscaping	0.0000	0.0499	0.0499	1.3000e-004	0.00	0.0531
Total	0.0000	0.0499	0.0499	1.3000e-004	0.00	0.0531

7.0 Water Detail

7.1 Mitigation Measures Water

Sunset Gower Studios Enhancement Plan
Existing GHG Emissions (Buildout Year)

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	563.5956	3.9631	0.0985	692.0172
Unmitigated	563.5956	3.9631	0.0985	692.0172

7.2 Water by Land Use

Unmitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	67.3575 / 41.2837	366.7177	2.2124	0.0555	438.5553
Industrial Park	53.4442 / 0	196.8779	1.7506	0.0430	253.4619
User Defined Commercial	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		563.5956	3.9631	0.0985	692.0172

Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	67.3575 / 41.2837	366.7177	2.2124	0.0555	438.5553
Industrial Park	53.4442 / 0	196.8779	1.7506	0.0430	253.4619
User Defined Commercial	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		563.5956	3.9631	0.0985	692.0172

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Sunset Gower Studios Enhancement Plan
Existing GHG Emissions (Buildout Year)

Category/Year

	Total CO2	CH4	N2O	CO2e
MT/yr				
Mitigated	30.6133	1.8092	0.0000	75.8431
Unmitigated	129.7173	7.6661	0.0000	321.3692

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	352.45	71.5442	4.2281	0.0000	177.2476
Industrial Park	286.58	58.1732	3.4379	0.0000	144.1215
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		129.7173	7.6661	0.0000	321.3692

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	83.1782	16.8844	0.9978	0.0000	41.8304
Industrial Park	67.6329	13.7289	0.8114	0.0000	34.0127
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		30.6133	1.8092	0.0000	75.8431

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
Emergency Generator	1	0.25	12	775	0.73	Diesel

Boilers

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

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2 O	CO2e
Equipment Type	MT/yr					
Emergency Generator - Diesel (750,0000 HP)	0.0000	3.5414	3.54	5.00000e-004	0.000	3.5538
Total	0.0000	3.5414	3.54	5.00000e-004	0.000	3.5538

11.0 Vegetation

Sunset Gower Project (Buildout) - No MXD or TDM - Los Angeles-South Coast County, Annual

Sunset Gower Project (Buildout) - No MXD or TDM
Los Angeles-South Coast County, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	852.79	1000sqft	15.90	852,792.00	0
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Industrial Park	222.19	1000sqft	0.00	222,190.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	985.00	Space	0.00	394,000.00	0
Enclosed Parking with Elevator	1,398.00	Space	0.00	559,200.00	0
Unenclosed Parking Structure	354.00	Space	0.00	141,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2028
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	570	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP RPS Value for 2028

Land Use - Site Specific

Construction Phase - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Trips and VMT - Site Specific

Demolition -

Grading -

Vehicle Trips - Site Specific

Energy Use - Code Requirements

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Emergency Generators and Fire Pumps EF - BACT AQMD

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	1.75	2.33
tblEnergyUse	LightingElect	1.75	2.33
tblEnergyUse	T24E	3.92	0.41

tblLandUse	LandUseSquareFeet	852,790.00	852,792.00
tblLandUse	LotAcreage	19.58	15.90
tblLandUse	LotAcreage	5.10	0.00
tblLandUse	LotAcreage	12.58	0.00
tblLandUse	LotAcreage	8.87	0.00
tblLandUse	LotAcreage	3.19	0.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	570
tblStationaryGeneratorsPumpsEF	NOX_EF	4.56	0.50
tblStationaryGeneratorsPumpsEF	PM10_EF	0.15	0.02
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.15	0.02
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	3.1000e-004
tblVehicleTrips	CC_TL	8.40	7.41
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	PB_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	0.00	8,067.00
tblVehicleTrips	ST_TR	0.00	132.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	0.00	8,067.00
tblVehicleTrips	SU_TR	0.00	132.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	0.00	8,067.00
tblVehicleTrips	WD_TR	0.00	132.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

Water															1,230.526
Total															9 14,871.79 28

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																0.1008
Energy																4,841.570 2
Mobile																8,055.144 2
Stationary																10.6615
Waste																126.8277
Water																984.4216
Total																14,018.72 59
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	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	5.74

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																8,055.144 2
Unmitigated																8,055.144 2

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated			Mitigated		
	Weekday	Saturday	Sunday	Annual VMT			Annual VMT		
Enclosed Parking with Elevator	0.00	0.00	0.00						
Enclosed Parking with Elevator	0.00	0.00	0.00						
General Office Building	0.00	0.00	0.00						
Industrial Park	0.00	0.00	0.00						
Unenclosed Parking Structure	0.00	0.00	0.00						
User Defined Commercial	8,067.00	8,067.00	8067.00		21,763,560			21,763,560	
User Defined Industrial	132.00	132.00	132.00		4,805			4,805	
Total	8,199.00	8,199.00	8,199.00		21,768,365			21,768,365	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4

Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
Unenclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Commercial	0.00	7.41	0.00	0.00	100.00	0.00	100	0	0
User Defined Industrial	0.00	0.00	0.00	0.00	100.00	0.00	0	0	100

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
General Office Building	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Industrial Park	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Unenclosed Parking Structure	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
User Defined Commercial	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
User Defined Industrial	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

5.2 Energy by Land Use - NaturalGas

Unmitigated

Mitigated

	Natural Gas 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				
Enclosed Parking with Elevator	0																0.0000
General Office Building	8.02307e+006																430.6857
Industrial Park	2.09036e+006																112.2126
Unenclosed Parking Structure	0																0.0000
User Defined Commercial	0																0.0000
User Defined Industrial	0																0.0000
Total																	542.8983

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.15442e+006				299.7885
Enclosed Parking with Elevator	1.63846e+006				425.4866
General Office Building	1.10778e+007				2,876.7582
Industrial Park	2.88625e+006				749.5226
Unenclosed Parking Structure	329928				85.6782
User Defined Commercial	0				0.0000
User Defined Industrial	0				0.0000
Total					4,437.2341

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.13827e+006				295.5935
Enclosed Parking with Elevator	1.61553e+006				419.5327
General Office Building	1.06855e+007				2,774.8869
Industrial Park	2.78404e+006				722.9807
Unenclosed Parking Structure	329928				85.6782
User Defined Commercial	0				0.0000

User Defined	0				0.0000
Industrial					
Total					4,298.671 9

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																
Unmitigated																

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																
Consumer Products																
Landscaping																
Total																0.1008

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																
Consumer Products																
Landscaping																
Total																0.1008

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				984.4216
Unmitigated				1,230.5269

7.2 Water by Land Use

Unmitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0				0.0000
General Office Building	151.57 / 92.8975				986.8478
Industrial Park	51.3814 / 0				243.6792
Unenclosed Parking Structure	0 / 0				0.0000
User Defined Commercial	0 / 0				0.0000
User Defined Industrial	0 / 0				0.0000
Total					1,230.526 9

Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0				0.0000
General Office Building	121.256 / 74.318				789.4782
Industrial Park	41.1052 / 0				194.9433
Unenclosed Parking Structure	0 / 0				0.0000
User Defined Commercial	0 / 0				0.0000
User Defined Industrial	0 / 0				0.0000
Total					984.4215

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
MT/yr				
Mitigated				126.8277
Unmitigated				537.4056

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0				0.0000
General Office Building	793.09				398.8462
Industrial Park	275.52				138.5594
Unenclosed Parking Structure	0				0.0000
User Defined Commercial	0				0.0000
User Defined Industrial	0				0.0000
Total					537.4056

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0				0.0000
General Office Building	187.169				94.1277
Industrial Park	65.0227				32.7000
Unenclosed Parking Structure	0				0.0000
User Defined Commercial	0				0.0000
User Defined Industrial	0				0.0000
Total					126.8277

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Sunset Gower Project (Buildout) - Without TDM - Los Angeles-South Coast County, Annual

Sunset Gower Project (Buildout) - Without TDM
Los Angeles-South Coast County, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	852.79	1000sqft	15.90	852,792.00	0
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Industrial Park	222.19	1000sqft	0.00	222,190.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	985.00	Space	0.00	394,000.00	0
Enclosed Parking with Elevator	1,398.00	Space	0.00	559,200.00	0
Unenclosed Parking Structure	354.00	Space	0.00	141,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2028
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	570	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP RPS Value for 2028

Land Use - Site Specific

Construction Phase - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Trips and VMT - Site Specific

Demolition -

Grading -

Vehicle Trips - Site Specific

Energy Use - Code Requirements

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Emergency Generators and Fire Pumps EF - BACT AQMD

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	1.75	2.33
tblEnergyUse	LightingElect	1.75	2.33
tblEnergyUse	T24E	3.92	0.41
tblLandUse	LandUseSquareFeet	852,790.00	852,792.00

tblLandUse	LotAcreage	19.58	15.90
tblLandUse	LotAcreage	5.10	0.00
tblLandUse	LotAcreage	12.58	0.00
tblLandUse	LotAcreage	8.87	0.00
tblLandUse	LotAcreage	3.19	0.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	570
tblStationaryGeneratorsPumpsEF	NOX_EF	4.56	0.50
tblStationaryGeneratorsPumpsEF	PM10_EF	0.15	0.02
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.15	0.02
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	3.1000e-004
tblVehicleTrips	CC_TL	8.40	7.46
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	PB_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	0.00	5,936.00
tblVehicleTrips	ST_TR	0.00	132.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	0.00	5,936.00
tblVehicleTrips	SU_TR	0.00	132.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	0.00	5,936.00
tblVehicleTrips	WD_TR	0.00	132.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

Total															12,782.67 13
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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																0.1008
Energy																4,412.854 2
Mobile																5,966.022 7
Stationary																10.6615
Waste																126.8277
Water																984.4216
Total																11,500.88 85
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	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	10.03

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																5,966.022 7
Unmitigated																5,966.022 7

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated			Mitigated		
	Weekday	Saturday	Sunday	Annual VMT			Annual VMT		
Enclosed Parking with Elevator	0.00	0.00	0.00						
Enclosed Parking with Elevator	0.00	0.00	0.00						
General Office Building	0.00	0.00	0.00						
Industrial Park	0.00	0.00	0.00						
Unenclosed Parking Structure	0.00	0.00	0.00						
User Defined Commercial	5,936.00	5,936.00	5936.00		16,118,852			16,118,852	
User Defined Industrial	132.00	132.00	132.00		4,805			4,805	
Total	6,068.00	6,068.00	6,068.00		16,123,657			16,123,657	

4.3 Trip Type Information

Land Use	Miles				Trip %			Trip Purpose %		
	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	
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0	
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0	
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4	

Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
Unenclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Commercial	0.00	7.46	0.00	0.00	100.00	0.00	100	0	0
User Defined Industrial	0.00	0.00	0.00	0.00	100.00	0.00	0	0	100

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
General Office Building	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Industrial Park	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Unenclosed Parking Structure	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
User Defined Commercial	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
User Defined Industrial	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

5.2 Energy by Land Use - NaturalGas

Unmitigated

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					
Enclosed Parking with Elevator	0																0.0000
General Office Building	8.02307e+006																430.6857
Industrial Park	2.09036e+006																112.2126
Unenclosed Parking Structure	0																0.0000
User Defined Commercial	0																0.0000
User Defined Industrial	0																0.0000
Total																	542.8983

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.15442e+006				299.7885
Enclosed Parking with Elevator	1.63846e+006				425.4866
General Office Building	1.10778e+007				2,876.7582
Industrial Park	2.88625e+006				749.5226
Unenclosed Parking Structure	329928				85.6782
User Defined Commercial	0				0.0000
User Defined Industrial	0				0.0000
Total					4,437.2341

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.28979e+006				334.9436
Enclosed Parking with Elevator	908761				235.9939
General Office Building	9.88173e+006				2,566.1613
Industrial Park	2.57463e+006				668.5984
Unenclosed Parking Structure	247446				64.2586

User Defined Commercial	0					0.0000
User Defined Industrial	0					0.0000
Total					3,869.955	9

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																	0.1008
Unmitigated																	0.1008

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																	0.0000
Consumer Products																	0.0000
Landscaping																	0.1008
Total																	0.1008

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																	0.0000
Consumer Products																	0.0000
Landscaping																	0.1008
Total																	0.1008

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				984.4216
Unmitigated				1,230.526

7.2 Water by Land Use

Unmitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0				0.0000
General Office Building	151.57 / 92.8975				986.8478
Industrial Park	51.3814 / 0				243.6792
Unenclosed Parking Structure	0 / 0				0.0000
User Defined Commercial	0 / 0				0.0000
User Defined Industrial	0 / 0				0.0000
Total					1,230.526

Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0				0.0000
General Office Building	121.256 / 74.318				789.4782
Industrial Park	41.1052 / 0				194.9433
Unenclosed Parking Structure	0 / 0				0.0000
User Defined Commercial	0 / 0				0.0000
User Defined Industrial	0 / 0				0.0000
Total					984.4215

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
MT/yr				
Mitigated				126.8277
Unmitigated				537.4056

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0				0.0000
General Office Building	793.09				398.8462
Industrial Park	275.52				138.5594
Unenclosed Parking Structure	0				0.0000
User Defined Commercial	0				0.0000
User Defined Industrial	0				0.0000
Total					537.4056

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0				0.0000
General Office Building	187.169				94.1277
Industrial Park	65.0227				32.7000
Unenclosed Parking Structure	0				0.0000
User Defined Commercial	0				0.0000
User Defined Industrial	0				0.0000
Total					126.8277

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	3	0.25	12	775	0.73	Diesel

Boilers

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

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/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
Equipment Type	tons/yr												MT/yr			
Emergency Generator - Diesel (no. 3000 kW)																10.6615
Total																10.6615

11.0 Vegetation

Sunset Gower Project (Buildout) - Los Angeles-South Coast County, Annual

Sunset Gower Project (Buildout w TDM)
Los Angeles-South Coast County, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	852.79	1000sqft	15.90	852,792.00	0
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Industrial Park	222.19	1000sqft	0.00	222,190.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	985.00	Space	0.00	394,000.00	0
Enclosed Parking with Elevator	1,398.00	Space	0.00	559,200.00	0
Unenclosed Parking Structure	354.00	Space	0.00	141,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2028
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	570	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP RPS Value for 2028

Land Use - Site Specific

Construction Phase - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Trips and VMT - Site Specific

Demolition -

Grading -

Vehicle Trips - Site Specific

Energy Use - Code Requirements

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Emergency Generators and Fire Pumps EF - BACT AQMD

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	1.75	2.33
tblEnergyUse	LightingElect	1.75	2.33
tblEnergyUse	T24E	3.92	0.41

tblLandUse	LandUseSquareFeet	852,790.00	852,792.00
tblLandUse	LotAcreage	19.58	15.90
tblLandUse	LotAcreage	5.10	0.00
tblLandUse	LotAcreage	12.58	0.00
tblLandUse	LotAcreage	8.87	0.00
tblLandUse	LotAcreage	3.19	0.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	570
tblStationaryGeneratorsPumpsEF	NOX_EF	4.56	0.50
tblStationaryGeneratorsPumpsEF	PM10_EF	0.15	0.02
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.15	0.02
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	3.1000e-004
tblVehicleTrips	CC_TL	8.40	7.47
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	PB_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	0.00	5,480.00
tblVehicleTrips	ST_TR	0.00	132.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	0.00	5,480.00
tblVehicleTrips	SU_TR	0.00	132.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	0.00	5,480.00
tblVehicleTrips	WD_TR	0.00	132.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

Water														1,230.526
Total														9

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																0.1008
Energy																4,412.854
Mobile																1
Stationary																10.6615
Waste																126.8277
Water																984.4216
Total																11,047.33
																79
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	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	10.40

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																5,512.472
Unmitigated																1

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00				
Enclosed Parking with Elevator	0.00	0.00	0.00				
General Office Building	0.00	0.00	0.00				
Industrial Park	0.00	0.00	0.00				
Unenclosed Parking Structure	0.00	0.00	0.00				
User Defined Commercial	5,480.00	5,480.00	5480.00	14,891.968		14,891.968	
User Defined Industrial	132.00	132.00	132.00	4,805		4,805	
Total	5,612.00	5,612.00	5,612.00	14,896.773		14,896.773	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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

Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
Unenclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Commercial	0.00	7.47	0.00	0.00	100.00	0.00	100	0	0
User Defined Industrial	0.00	0.00	0.00	0.00	100.00	0.00	0	0	100

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
General Office Building	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Industrial Park	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Unenclosed Parking Structure	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
User Defined Commercial	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
User Defined Industrial	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

5.2 Energy by Land Use - NaturalGas

Unmitigated

Total																600.7197
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Mitigated

	Natural Gas 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					
Enclosed Parking with Elevator	0																0.0000
General Office Building	8.02307e+006																430.6857
Industrial Park	2.09036e+006																112.2126
Unenclosed Parking Structure	0																0.0000
User Defined Commercial	0																0.0000
User Defined Industrial	0																0.0000
Total																	542.8983

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.15442e+006				299.7885
Enclosed Parking with Elevator	1.63846e+006				425.4866
General Office Building	1.10778e+007				2,876.7582
Industrial Park	2.88625e+006				749.5226
Unenclosed Parking Structure	329928				85.6782
User Defined Commercial	0				0.0000
User Defined Industrial	0				0.0000
Total					4,437.2341

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.28979e+006				334.9436
Enclosed Parking with Elevator	908761				235.9939
General Office Building	9.88173e+006				2,566.1613
Industrial Park	2.57463e+006				668.5984

Unenclosed Parking Structure	247446					64.2586	
User Defined Commercial	0					0.0000	
User Defined Industrial	0					0.0000	
Total						3,869.955	9

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																	0.1008
Unmitigated																	0.1008

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																	0.0000
Consumer Products																	0.0000
Landscaping																	0.1008
Total																	0.1008

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																	0.0000
Consumer Products																	0.0000
Landscaping																	0.1008
Total																	0.1008

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				984.4216
Unmitigated				1,230.5269

7.2 Water by Land Use

Unmitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0				0.0000
General Office Building	151.57 / 92.8975				986.8478
Industrial Park	51.3814 / 0				243.6792
Unenclosed Parking Structure	0 / 0				0.0000
User Defined Commercial	0 / 0				0.0000
User Defined Industrial	0 / 0				0.0000
Total					1,230.526 9

Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0				0.0000
General Office Building	121.256 / 74.318				789.4782
Industrial Park	41.1052 / 0				194.9433
Unenclosed Parking Structure	0 / 0				0.0000
User Defined Commercial	0 / 0				0.0000
User Defined Industrial	0 / 0				0.0000
Total					984.4215

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				126.8277
Unmitigated				537.4056

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0				0.0000
General Office Building	793.09				398.8462
Industrial Park	275.52				138.5594
Unenclosed Parking Structure	0				0.0000
User Defined Commercial	0				0.0000
User Defined Industrial	0				0.0000
Total					537.4056

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0				0.0000
General Office Building	187.169				94.1277
Industrial Park	65.0227				32.7000
Unenclosed Parking Structure	0				0.0000
User Defined Commercial	0				0.0000
User Defined Industrial	0				0.0000
Total					126.8277

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	3	0.25	12	775	0.73	Diesel

Boilers

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

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/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
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 2000 HP)																10.6615
Total																10.6615

11.0 Vegetation

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	3	0.25	12	775	0.73	Diesel

Boilers

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

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/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
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (775,000 Wp)																10.6615
Total																10.6615

11.0 Vegetation

Alternative 2

Air Quality – Greenhouse Gas Worksheets

Air Quality

Construction

- Summary of Emissions (Alternative 2)
- CalEEMod Output Files
 - Construction Regional (Alternative 2)
 - Construction Localized (Alternative 2)

Operations

- Summary of Emissions (Alternative 2)
- LADOT VMT CalEEMod Input Calculations (Alternative 2)
- CalEEMod Output Files
 - Buildout without TDM (Alternative 2)
 - Buildout with TDM (Alternative 2)

Greenhouse Gases

- Summary of Emissions
- CalEEMod Output Files
 - Construction Annual
 - Buildout without TDM/MXD (Alternative 2)
 - Buildout without TDM (Alternative 2)

AIR QUALITY SUMMARY OF EMISSIONS (Construction) Alternative 2

REGIONAL (Unmitigated)

Construction by Phase	PhaseStartDate	PhaseEndDate	NumDays	On-site										Off-site										Total																
				ROG	NO _x	CO	SO ₂	PM ₁₀ Fu	PM ₁₀ Ex	M ₁₀ Tot	PM _{2.5} Fu	PM _{2.5} Ex	M _{2.5} Tot	ROG	NO _x	CO	SO ₂	PM ₁₀ Fu	PM ₁₀ Ex	M ₁₀ Tot	PM _{2.5} Fu	PM _{2.5} Ex	M _{2.5} Tot	ROG	NO _x	CO	SO ₂	PM ₁₀ Fu	PM ₁₀ Ex	M ₁₀ Tot	PM _{2.5} Fu	PM _{2.5} Ex	M _{2.5} Tot							
Demolition (Total)	3/1/2021	4/6/2021	68	3.2	29.3	27.6	0.0	0.7	1.5	2.3	0.1	1.4	1.6	1.2	26.1	9.4	0.1	2.7	0.1	2.8	0.7	0.1	0.8	4.4	55.4	37.0	0.1	3.4	1.6	5.0	0.8	1.5	2.4							
Grading (Basecamp, Bldg D, Bldg E)	4/7/2021	8/20/2021	98	2.5	25.9	21.6	0.1	0.1	1.1	1.2	0.0	1.1	1.1	3.6	99.6	27.8	0.3	7.7	0.3	8.1	2.1	0.3	2.4	6.0	125.4	49.4	0.4	7.8	1.5	9.3	2.1	1.4	3.5							
Mat Foundation (Basecamp, Bldg D, Bldg E)	8/23/2021	9/1/2021	8	6.3	49.7	56.5	0.1		2.7	2.7	2.7	4.1	134.0	32.5	0.3	6.6	0.3	6.9	1.8	0.3	2.1	10.3	183.7	89.1	0.4	6.6	3.0	9.6	1.8	2.9	4.8									
Grading (Bldg A)	9/7/2021	11/2/2021	41	2.5	25.9	21.6	0.1	0.1	1.1	1.2	0.0	1.1	1.1	3.6	99.7	27.8	0.3	7.8	0.3	8.1	2.1	0.3	2.4	6.0	125.6	49.4	0.4	7.9	1.5	9.3	2.1	1.4	3.5							
Building Construction (Basecamp, Bldg D, Bldg E)	9/7/2021	1/9/2023	350	2.3	18.0	21.4	0.0	0.0	1.0	1.0	0.0	1.0	1.0	2.6	7.9	21.0	0.1	6.5	1.7	0.1	1.8	5.0	25.9	42.4	0.1	6.5	1.1	7.5	1.7	1.0	2.8									
Overlap of Grading (Bldg A) and Building Construction (Basecamp, Bldg D, Bldg E)	9/7/2021	11/2/2021	41	4.8	43.9	43.0	0.1	0.1	2.1	2.2	0.0	2.0	2.0	6.2	107.6	48.8	0.4	14.2	0.4	14.6	3.8	0.4	4.2	11.0	151.5	91.8	0.5	14.3	2.5	16.8	3.9	2.4	6.3							
Mat Foundation (Bldg A)	11/3/2021	11/5/2021	3	6.3	49.7	56.5	0.1	0.0	2.7	2.7	0.0	2.7	2.7	4.9	166.3	39.7	0.4	8.0	0.4	8.4	2.2	0.4	2.6	11.2	216.0	96.2	0.5	8.0	3.1	11.1	2.2	3.0	5.2							
Overlap of Mat Foundation (Bldg A) and Building Construction (Basecamp, Bldg D, Bldg E)	11/3/2021	11/5/2021	3	8.6	67.8	77.9	0.1	0.0	3.7	3.7	0.0	3.6	3.6	7.6	174.1	60.7	0.5	14.5	0.4	14.9	3.9	0.4	4.3	16.2	241.9	138.7	0.6	14.5	4.1	18.6	3.9	4.0	8.0							
Grading (Bldg B)	11/18/2021	11/25/2021	6	2.5	25.9	21.6	0.1	0.1	1.1	1.2	0.0	1.1	1.1	3.2	87.9	24.8	0.3	6.9	0.3	7.2	1.9	0.3	2.2	5.7	113.7	46.4	0.3	7.0	1.4	8.5	1.9	1.3	3.2							
Building Construction (Bldg A)	11/18/2021	1/1/2023	510	2.3	17.5	20.8	0.0	0.0	1.0	1.0	0.0	0.9	0.9	2.6	7.9	21.0	0.1	6.5	0.1	6.5	1.7	0.1	1.8	4.9	25.4	41.8	0.1	6.5	1.0	7.5	1.7	1.0	2.7							
Overlap of Grading (Bldg B) and Building Construction (Basecamp, Bldg D, Bldg E and Bldg A)	11/18/2021	11/25/2021	6	7.3	61.4	63.8	0.1	0.0	3.1	3.2	0.0	3.0	3.0	8.5	103.6	66.9	0.4	19.9	0.4	20.3	5.3	0.4	5.7	15.6	165.1	130.7	0.5	19.9	3.5	23.5	5.4	3.4	8.7							
Mat Foundation (Bldg B)	11/26/2021	11/26/2021	1	6.3	49.7	56.5	0.1	0.0	2.7	2.7	0.0	2.7	2.7	4.3	142.4	34.4	0.3	7.0	0.3	7.3	1.9	0.3	2.2	10.5	192.1	90.9	0.4	7.0	3.0	10.0	1.9	3.0	4.9							
Overlap of Mat Foundation (Bldg B) and Building Construction (Basecamp, Bldg D, Bldg E and Bldg A)	11/26/2021	11/26/2021	1	10.9	85.3	98.7	0.2	0.0	4.7	4.7	0.0	4.6	4.6	9.6	158.1	76.5	0.5	19.9	0.4	20.4	5.4	0.4	5.8	20.4	243.4	175.2	0.6	19.9	5.1	25.0	5.4	5.0	10.4							
Building Construction (Bldg B)	12/1/2021	6/1/2023	392	2.3	17.5	20.8	0.0	0.0	1.0	1.0	0.0	0.9	0.9	2.6	7.9	21.0	0.1	6.5	0.1	6.5	1.7	0.1	1.8	4.9	25.4	41.8	0.1	6.5	1.0	7.5	1.7	1.0	2.7							
Overlap of Building Construction (Basecamp, Bldg D, Bldg E, Bldg A, and Bldg B)	12/1/2021	1/9/2023	350	6.9	53.1	63.0	0.1	0.0	3.0	3.0	0.0	2.9	2.9	7.3	23.7	61.1	0.2	19.4	0.2	19.6	5.2	0.2	5.3	14.8	76.8	126.1	0.3	19.4	3.1	22.5	5.2	3.0	8.2							
Overlap of Building Construction (Bldg A, and Bldg B)	11/18/2021	1/9/2023	392	4.6	35.1	41.6	0.1	0.0	2.0	2.0	0.0	1.9	1.9	5.3	15.8	42.1	0.1	12.9	0.1	13.0	3.4	0.1	3.6	9.9	50.9	83.7	0.2	12.9	2.1	15.0	3.4	2.0	5.5							
Architectural Coating	6/15/2022	12/29/2023	403	14.7	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
Overlap of Arch. Coatings & Building (Basecamp, Bldgs D, E and A) in 2022																																								
PeakDaily (Alternative 2)																																								
Peak Daily (Project)																																								
Difference																																								
% Change for Significant Regional NOX emissions:																																								

REGIONAL (Mitigated)

Construction by Phase	PhaseStartDate	PhaseEndDate	NumDays	On-site										Off-site										Total									
				ROG	NO _x	CO	SO ₂	PM ₁₀ Fu	PM ₁₀ Ex	M ₁₀ Tot	PM _{2.5} Fu	PM _{2.5} Ex	M _{2.5} Tot	ROG	NO _x	CO	SO ₂	PM ₁₀ Fu	PM ₁₀ Ex	M ₁₀ Tot	PM _{2.5} Fu	PM _{2.5} Ex	M _{2.5} Tot	ROG	NO _x	CO	SO ₂	PM ₁₀ Fu	PM ₁₀ Ex	M ₁₀ Tot	PM _{2.5} Fu	PM _{2.5} Ex	M _{2.5} Tot
Demolition (Total)	3/1/2021	4/6/2021	68	0.6	5.0	29.2	0.0	0.7	0.1	0.8	0.1	0.1	0.2	1.2	26.1	9.4	0.1	2.7	0.1	2.8	0.7	0.1	0.8	1.8	31.1	38.5	0.1	3.4	0.2	3.6	0.8	0.2	1.0
Grading (Basecamp, Bldg D, Bldg E)	4/7/2021	8/20/2021	98	0.6	2.7	28.7	0.1	0.1	0.1	0.2	0.0	0.1	0.1	3.6	99.6	27.8	0.3	7.7	0.3	8.1	2.1	0.3	2.4	4.2	102.2	56.5	0.4	7.8	0.4	8.3	2.1	0.4	2.5
Mat Foundation (Basecamp, Bldg D, Bldg E)	8/23/2021	9/1/2021	8	2.2	11.2	60.5	0.1	0.4	0.4	0.4	0.4	0.4	0.4	4.1	134.0	32.5	0.3	6.6	0.3	6.9	1.8	0.3	2.1	6.2	145.2	93.0	0.4	6.6	0.7	7.4	1.8	0.7	2.5
Grading (Bldg A)	9/7/2021	11/2/2021	41	0.6	2.7	28.7	0.1	0.1	0.1	0.2	0.0	0.1	0.1	3.6	99.7	27.8	0.3	7.8	0.3	8.1	2.1	0.3	2.4	4.2	102.4	56.5	0.4	7.9	0.4	8.3	2.1	0.4	2.5
Building Construction (Basecamp, Bldg D, Bldg E)	9/7/2021	1/9/2023	350	1.0	6.4	21.7	0.0	0.0	0.2	0.2	0.0	0.2	0.2	2.6	7.9	21.0	0.1	6.5	0.1	6.5	1.7	0.1	1.8	3.6	116.6	99.8	0.5	14.3	0.7	15.0	3.9	0.5	4.4
Overlap of Grading (Bldg A) and Building Construction (Basecamp, Bldg D, Bldg E)	9/7/2021	11/2/2021	41	0.6	2.7	28.7	0.1	0.1	0.5	0.6	0.0	0.3	0.3	8.5	103.6	66.9	0.4	19.9	0.4	20.3	5.3	0.4	5.7	11.1	191.9	139.6	0.5	19.9	0.9	20.8	5.4	0.7	6.1
Mat Foundation (Bldg B)	11/26/2021	11/26/2021	1	2.2	11.2	60.5	0.1	0.0	0.4	0.4	0.0	0.4	0.5	4.3	142.4	34.4	0.3	7.0	0.3	7.3	1.9	0.3	2.2	6.5	153.5	94.9	0.4	7.0	0.8	7.8	1.9	0.7	2.7
Overlap of Mat Foundation (Bldg B) and Building Construction (Basecamp, Bldg D, Bldg E and Bldg A)	11/26/2021	11/26/2021	1	4.2	23.9	104.4	0.2	0.0	0.8	0.8	0.0	0.7	0.7	9.6																			

Sunset Gower Studios Alternative 2 (Regional Daily Construction with Mitigation Measures Tier IV Eq - Los Angeles-South Coast County, Winter

**Sunset Gower Studios Alternative 2 (Regional Daily Construction with Mitigation Measures Tier IV Eq
Los Angeles-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	547.59	1000sqft	15.90	547,587.00	0
Industrial Park	72.36	1000sqft	1.66	72,355.00	0
Enclosed Parking with Elevator	1,244.00	Space	0.00	497,600.00	0
Unenclosed Parking Structure	0.00	Space	0.00	139,200.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2028
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	570	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP RPS Value for 2028

Land Use - Site Specific

Construction Phase - Site Specific

Off-road Equipment - Project Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Project Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Project Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Project Specific

Trips and VMT - Total haul trips are back calculated for peak daily activity for comparison to SCAQMD daily thresholds.

On-road Fugitive Dust - Site constraints

Demolition -

Grading -

Architectural Coating -

Area Coating -

Energy Use -

Construction Off-road Equipment Mitigation - Site Specific

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5

tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	5
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	15.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
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
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	403.00
tblConstructionPhase	NumDays	300.00	392.00
tblConstructionPhase	NumDays	300.00	350.00
tblConstructionPhase	NumDays	300.00	510.00
tblConstructionPhase	NumDays	20.00	68.00
tblConstructionPhase	NumDays	30.00	98.00
tblConstructionPhase	NumDays	30.00	41.00
tblConstructionPhase	NumDays	30.00	6.00
tblConstructionPhase	NumDays	10.00	8.00
tblConstructionPhase	NumDays	10.00	3.00
tblConstructionPhase	NumDays	10.00	1.00
tblGrading	MaterialExported	0.00	214,909.00
tblGrading	MaterialExported	0.00	90,000.00
tblGrading	MaterialExported	0.00	11,596.00
tblLandUse	LandUseSquareFeet	547,590.00	547,587.00
tblLandUse	LandUseSquareFeet	72,360.00	72,355.00
tblLandUse	LandUseSquareFeet	0.00	139,200.00
tblLandUse	LotAcreage	12.57	15.90
tblLandUse	LotAcreage	11.20	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	16.00
tblOffRoadEquipment	UsageHours	8.00	16.00
tblOffRoadEquipment	UsageHours	8.00	16.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	570
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripNumber	592.00	5,540.00
tblTripsAndVMT	HaulingTripNumber	26,864.00	30,702.00
tblTripsAndVMT	HaulingTripNumber	11,250.00	12,858.00
tblTripsAndVMT	HaulingTripNumber	1,450.00	1,658.00
tblTripsAndVMT	VendorTripNumber	206.00	60.00
tblTripsAndVMT	VendorTripNumber	0.00	828.00
tblTripsAndVMT	VendorTripNumber	206.00	60.00
tblTripsAndVMT	VendorTripNumber	0.00	1,028.00
tblTripsAndVMT	VendorTripNumber	206.00	60.00
tblTripsAndVMT	VendorTripNumber	0.00	880.00
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	WorkerTripNumber	28.00	60.00

tblTripsAndVMT	WorkerTripNumber	473.00	400.00
tblTripsAndVMT	WorkerTripNumber	95.00	0.00
tblTripsAndVMT	WorkerTripNumber	23.00	60.00
tblTripsAndVMT	WorkerTripNumber	28.00	60.00
tblTripsAndVMT	WorkerTripNumber	23.00	60.00
tblTripsAndVMT	WorkerTripNumber	473.00	400.00
tblTripsAndVMT	WorkerTripNumber	28.00	60.00
tblTripsAndVMT	WorkerTripNumber	23.00	60.00
tblTripsAndVMT	WorkerTripNumber	473.00	400.00
tblTripsAndVMT	WorkerTripNumber	28.00	60.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day											lb/day					
2021	20.4498	243.4422	175.2028	0.6370	20.0808	5.1033	25.0166	5.3739	4.9984	10.3543							65,436.22 58
2022	28.4924	71.1620	120.9010	0.3140	19.3814	2.6996	22.0809	5.1694	2.6088	7.7782							31,052.23 96
2023	27.4937	63.0432	115.8132	0.3063	19.3814	2.3248	21.7062	5.1694	2.2472	7.4166							30,279.17 95
Maximum	28.4924	243.4422	175.2028	0.6370	20.0808	5.1033	25.0166	5.3739	4.9984	10.3543							65,436.22 58

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	lb/day											lb/day					
2021	13.7508	191.7259	180.8695	0.6370	19.9475	1.2858	21.1991	5.3559	1.2628	6.6187							65,436.22 58
2022	25.0014	41.0235	123.7276	0.3140	19.3814	0.7189	20.1003	5.1694	0.7064	5.8758							31,052.23 96
2023	24.3266	35.8999	118.7813	0.3063	19.3814	0.6431	20.0245	5.1694	0.6317	5.8011							30,279.17 95
Maximum	25.0014	191.7259	180.8695	0.6370	19.9475	1.2858	21.1991	5.3559	1.2628	6.6187							65,436.22 58

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	17.47	28.86	-2.78	0.00	0.23	73.86	10.87	0.11	73.61	28.39	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 (Total)	Demolition	1/1/2021	4/6/2021	5	68	
2	Grading (Basecamp, Bldg D, Bldg E)	Grading	4/7/2021	8/20/2021	5	98	
3	Mat Foundation (Basecamp, Bldg D, Bldg E)	Site Preparation	8/23/2021	9/1/2021	5	8	

4	Grading (Bldg A)	Grading	9/7/2021	11/2/2021	5	41
5	Building Construction (Basecamp, Bldg D, Bldg E)	Building Construction	9/7/2021	1/9/2023	5	350
6	Mat Foundation (Bldg A)	Site Preparation	11/3/2021	11/5/2021	5	3
7	Grading (Bldg B)	Grading	11/18/2021	11/25/2021	5	6
8	Building Construction (Bldg A)	Building Construction	11/18/2021	11/1/2023	5	510
9	Mat Foundation (Bldg B)	Site Preparation	11/26/2021	11/26/2021	5	1
10	Building Construction (Bldg B)	Building Construction	12/1/2021	6/1/2023	5	392
11	Architectural Coating	Architectural Coating	6/15/2022	12/29/2023	5	403

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 929,913; Non-Residential Outdoor: 309,971; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition (Total)	Aerial Lifts	2	8.00	63	0.31
Demolition (Total)	Air Compressors	2	8.00	78	0.48
Demolition (Total)	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition (Total)	Excavators	1	8.00	158	0.38
Demolition (Total)	Rubber Tired Dozers	1	8.00	247	0.40
Demolition (Total)	Skid Steer Loaders	1	8.00	65	0.37
Demolition (Total)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading (Basecamp, Bldg D, Bldg E)	Air Compressors	1	8.00	78	0.48
Grading (Basecamp, Bldg D, Bldg E)	Bore/Drill Rigs	2	8.00	221	0.50
Grading (Basecamp, Bldg D, Bldg E)	Cranes	2	8.00	231	0.29
Grading (Basecamp, Bldg D, Bldg E)	Excavators	2	8.00	158	0.38
Grading (Basecamp, Bldg D, Bldg E)	Graders	0	8.00	187	0.41
Grading (Basecamp, Bldg D, Bldg E)	Rubber Tired Dozers	0	8.00	247	0.40
Grading (Basecamp, Bldg D, Bldg E)	Scrapers	0	8.00	367	0.48
Grading (Basecamp, Bldg D, Bldg E)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Mat Foundation (Basecamp, Bldg D, Bldg E)	Cement and Mortar Mixers	4	24.00	9	0.56
Mat Foundation (Basecamp, Bldg D, Bldg E)	Pumps	4	24.00	84	0.74
Mat Foundation (Basecamp, Bldg D, Bldg E)	Rubber Tired Dozers	0	8.00	247	0.40
Mat Foundation (Basecamp, Bldg D, Bldg E)	Tractors/Loaders/Backhoes	1	16.00	97	0.37
Mat Foundation (Basecamp, Bldg D, Bldg E)	Welders	2	8.00	46	0.45
Building Construction (Basecamp, Bldg D, Bldg E)	Aerial Lifts	2	8.00	63	0.31
Building Construction (Basecamp, Bldg D, Bldg E)	Air Compressors	2	8.00	78	0.48
Building Construction (Basecamp, Bldg D, Bldg E)	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction (Basecamp, Bldg D, Bldg E)	Cranes	0	7.00	231	0.29
Building Construction (Basecamp, Bldg D, Bldg E)	Forklifts	2	8.00	89	0.20
Building Construction (Basecamp, Bldg D, Bldg E)	Generator Sets	0	8.00	84	0.74
Building Construction (Basecamp, Bldg D, Bldg E)	Pumps	1	8.00	84	0.74
Building Construction (Basecamp, Bldg D, Bldg E)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction (Basecamp, Bldg D, Bldg E)	Welders	2	8.00	46	0.45
Grading (Bldg A)	Air Compressors	1	8.00	78	0.48
Grading (Bldg A)	Bore/Drill Rigs	2	8.00	221	0.50
Grading (Bldg A)	Cranes	2	8.00	231	0.29
Grading (Bldg A)	Excavators	2	8.00	158	0.38
Grading (Bldg A)	Graders	0	8.00	187	0.41

Grading (Bldg A)	Rubber Tired Dozers	0	8.00	247	0.40
Grading (Bldg A)	Scrapers	0	8.00	367	0.48
Grading (Bldg A)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Mat Foundation (Bldg A)	Cement and Mortar Mixers	4	24.00	9	0.56
Mat Foundation (Bldg A)	Pumps	4	24.00	84	0.74
Mat Foundation (Bldg A)	Rubber Tired Dozers	0	8.00	247	0.40
Mat Foundation (Bldg A)	Tractors/Loaders/Backhoes	1	16.00	97	0.37
Mat Foundation (Bldg A)	Welders	2	8.00	46	0.45
Building Construction (Bldg A)	Aerial Lifts	2	8.00	63	0.31
Building Construction (Bldg A)	Air Compressors	2	8.00	78	0.48
Building Construction (Bldg A)	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction (Bldg A)	Cranes	0	7.00	231	0.29
Building Construction (Bldg A)	Forklifts	2	8.00	89	0.20
Building Construction (Bldg A)	Generator Sets	0	8.00	84	0.74
Building Construction (Bldg A)	Pumps	1	8.00	84	0.74
Building Construction (Bldg A)	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction (Bldg A)	Welders	2	8.00	46	0.45
Architectural Coating	Air Compressors	0	6.00	78	0.48
Grading (Bldg B)	Air Compressors	1	8.00	78	0.48
Grading (Bldg B)	Bore/Drill Rigs	2	8.00	221	0.50
Grading (Bldg B)	Cranes	2	8.00	231	0.29
Grading (Bldg B)	Excavators	2	8.00	158	0.38
Grading (Bldg B)	Graders	0	8.00	187	0.41
Grading (Bldg B)	Rubber Tired Dozers	0	8.00	247	0.40
Grading (Bldg B)	Scrapers	0	8.00	367	0.48
Grading (Bldg B)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Mat Foundation (Bldg B)	Cement and Mortar Mixers	4	24.00	9	0.56
Mat Foundation (Bldg B)	Pumps	4	24.00	84	0.74
Mat Foundation (Bldg B)	Rubber Tired Dozers	0	8.00	247	0.40
Mat Foundation (Bldg B)	Tractors/Loaders/Backhoes	1	16.00	97	0.37
Mat Foundation (Bldg B)	Welders	2	8.00	46	0.45
Building Construction (Bldg B)	Aerial Lifts	2	8.00	63	0.31
Building Construction (Bldg B)	Air Compressors	2	8.00	78	0.48
Building Construction (Bldg B)	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction (Bldg B)	Cranes	0	7.00	231	0.29
Building Construction (Bldg B)	Forklifts	2	8.00	89	0.20
Building Construction (Bldg B)	Generator Sets	0	8.00	84	0.74
Building Construction (Bldg B)	Pumps	1	8.00	84	0.74
Building Construction (Bldg B)	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction (Bldg B)	Welders	2	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
Demolition (Total)	11	60.00	0.00	5,540.00	19.80	7.90	25.00	LD_Mix	HDT_Mix	HHDT
Grading (Basecamp, Bldg D, Bldg E)	9	60.00	0.00	30,702.00	19.80	7.90	25.00	LD_Mix	HDT_Mix	HHDT
Mat Foundation (Basecamp, Bldg D)	11	60.00	828.00	0.00	19.80	7.90	20.00	LD_Mix	HHDT	HHDT
Building Construction (Basecamp, Bldg D)	12	400.00	60.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading (Bldg A)	9	60.00	0.00	12,858.00	19.80	7.90	25.00	LD_Mix	HDT_Mix	HHDT
Mat Foundation (Bldg A)	11	60.00	1,028.00	0.00	19.80	7.90	20.00	LD_Mix	HHDT	HHDT

Building Construction (Bldg_A)	12	400.00	60.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading (Bldg B)	9	60.00	0.00	1,658.00	19.80	7.90	25.00	LD_Mix	HDT_Mix	HHDT
Mat Foundation (Bldg B)	11	60.00	880.00	0.00	19.80	7.90	20.00	LD_Mix	HHDT	HHDT
Building Construction (Bldg_B)	12	400.00	60.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition (Total) - 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	lb/day										lb/day					
Fugitive Dust					1.8843	0.0000	1.8843	0.2853	0.0000	0.2853						0.0000
Off-Road	3.1539	29.2684	27.6030	0.0458		1.5214	1.5214		1.4474	1.4474						4,413.4963
Total	3.1539	29.2684	27.6030	0.0458	1.8843	1.5214	3.4057	0.2853	1.4474	1.7327						4,413.4963

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	lb/day										lb/day					
Hauling	0.8332	25.8265	6.4735	0.0762	1.7803	0.0841	1.8644	0.4880	0.0805	0.5685						8,282.0062
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.3657	0.2578	2.8872	8.6500e-003	0.9031	7.1700e-003	0.9103	0.2395	6.6000e-003	0.2461						862.5907
Total	1.1989	26.0843	9.3607	0.0848	2.6834	0.0913	2.7747	0.7275	0.0871	0.8145						9,144.5969

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	lb/day										lb/day					
Fugitive Dust					0.7349	0.0000	0.7349	0.1113	0.0000	0.1113						0.0000
Off-Road	0.5820	4.9930	29.1578	0.0458		0.0687	0.0687		0.0687	0.0687						4,413.4963
Total	0.5820	4.9930	29.1578	0.0458	0.7349	0.0687	0.8036	0.1113	0.0687	0.1800						4,413.4963

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	lb/day											lb/day					
Hauling	0.8332	25.8265	6.4735	0.0762	1.7803	0.0841	1.8644	0.4880	0.0805	0.5685						8,282.006 2	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	0.3657	0.2578	2.8872	8.6500e-003	0.9031	7.1700e-003	0.9103	0.2395	6.6000e-003	0.2461						862.5907	
Total	1.1989	26.0843	9.3607	0.0848	2.6834	0.0913	2.7747	0.7275	0.0871	0.8145						9,144.596 9	

3.3 Grading (Basecamp, Bldg D, Bldg E) - 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	lb/day											lb/day					
Fugitive Dust					0.2480	0.0000	0.2480	0.0376	0.0000	0.0376						0.0000	
Off-Road	2.4669	25.8784	21.6011	0.0509		1.1349	1.1349		1.0542	1.0542						4,956.433 1	
Total	2.4669	25.8784	21.6011	0.0509	0.2480	1.1349	1.3829	0.0376	1.0542	1.0917						4,956.433 1	

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	lb/day											lb/day					
Hauling	3.2039	99.3127	24.8931	0.2930	6.8457	0.3235	7.1693	1.8764	0.3095	2.1859						31,847.49 60	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	0.3657	0.2578	2.8872	8.6500e-003	0.9031	7.1700e-003	0.9103	0.2395	6.6000e-003	0.2461						862.5907	
Total	3.5696	99.5705	27.7803	0.3016	7.7489	0.3307	8.0796	2.1159	0.3161	2.4320						32,710.08 67	

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	lb/day											lb/day					
Fugitive Dust					0.0967	0.0000	0.0967	0.0147	0.0000	0.0147						0.0000	
Off-Road	0.6183	2.6793	28.7371	0.0509		0.0824	0.0824		0.0824	0.0824						4,956.433 1	
Total	0.6183	2.6793	28.7371	0.0509	0.0967	0.0824	0.1792	0.0147	0.0824	0.0971						4,956.433 1	

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	lb/day											lb/day					
Hauling	3.2039	99.3127	24.8931	0.2930	6.8457	0.3235	7.1693	1.8764	0.3095	2.1859						31,847.49 60	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	0.3657	0.2578	2.8872	8.6500e-003	0.9031	7.1700e-003	0.9103	0.2395	6.6000e-003	0.2461						862.5907	
Total	3.5696	99.5705	27.7803	0.3016	7.7489	0.3307	8.0796	2.1159	0.3161	2.4320						32,710.08 67	

3.4 Mat Foundation (Basecamp, Bldg D, Bldg E) - 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	lb/day											lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Off-Road	6.2500	49.7477	56.5460	0.0988		2.6748	2.6748		2.6569	2.6569						9,117.365 2	
Total	6.2500	49.7477	56.5460	0.0988	0.0000	2.6748	2.6748	0.0000	2.6569	2.6569						9,117.365 2	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	3.6876	133.7070	29.6441	0.2969	5.7294	0.2976	6.0270	1.5715	0.2847	1.8562						32,266.99 25	
Worker	0.3657	0.2578	2.8872	8.6500e-003	0.9031	7.1700e-003	0.9103	0.2395	6.6000e-003	0.2461						862.5907	
Total	4.0533	133.9648	32.5312	0.3056	6.6325	0.3047	6.9373	1.8110	0.2913	2.1023						33,129.58 31	

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	lb/day											lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Off-Road	2.1757	11.1857	60.4985	0.0988		0.4353	0.4353		0.4353	0.4353						9,117.365 1	
Total	2.1757	11.1857	60.4985	0.0988	0.0000	0.4353	0.4353	0.0000	0.4353	0.4353						9,117.365 1	

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	lb/day												lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	3.6876	133.7070	29.6441	0.2969	5.7294	0.2976	6.0270	1.5715	0.2847	1.8562						32,266.99 25	
Worker	0.3657	0.2578	2.8872	8.6500e-003	0.9031	7.1700e-003	0.9103	0.2395	6.6000e-003	0.2461						862.5907	
Total	4.0533	133.9648	32.5312	0.3056	6.6325	0.3047	6.9373	1.8110	0.2913	2.1023						33,129.58 31	

3.5 Grading (Bldg A) - 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	lb/day												lb/day				
Fugitive Dust					0.2483	0.0000	0.2483	0.0376	0.0000	0.0376						0.0000	
Off-Road	2.4669	25.8784	21.6011	0.0509		1.1349	1.1349		1.0542	1.0542						4,956.433 1	
Total	2.4669	25.8784	21.6011	0.0509	0.2483	1.1349	1.3832	0.0376	1.0542	1.0918						4,956.433 1	

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	lb/day												lb/day				
Hauling	3.2072	99.4154	24.9189	0.2933	6.8528	0.3239	7.1767	1.8783	0.3098	2.1882						31,880.43 70	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	0.3657	0.2578	2.8872	8.6500e-003	0.9031	7.1700e-003	0.9103	0.2395	6.6000e-003	0.2461						862.5907	
Total	3.5729	99.6732	27.8060	0.3020	7.7560	0.3310	8.0870	2.1178	0.3164	2.4343						32,743.02 76	

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	lb/day												lb/day				
Fugitive Dust					0.0968	0.0000	0.0968	0.0147	0.0000	0.0147						0.0000	
Off-Road	0.6183	2.6793	28.7371	0.0509		0.0824	0.0824		0.0824	0.0824						4,956.433 1	
Total	0.6183	2.6793	28.7371	0.0509	0.0968	0.0824	0.1793	0.0147	0.0824	0.0971						4,956.433 1	

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	lb/day											lb/day					
Hauling	3.2072	99.4154	24.9189	0.2933	6.8528	0.3239	7.1767	1.8783	0.3098	2.1882						31,880.4370	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	0.3657	0.2578	2.8872	8.6500e-003	0.9031	7.1700e-003	0.9103	0.2395	6.6000e-003	0.2461						862.5907	
Total	3.5729	99.6732	27.8060	0.3020	7.7560	0.3310	8.0870	2.1178	0.3164	2.4343						32,743.0276	

3.6 Building Construction (Basecamp, Bldg D, Bldg E) - 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	lb/day											lb/day					
Off-Road	2.3364	18.0187	21.3777	0.0330		1.0049	1.0049		0.9718	0.9718						3,075.6457	
Total	2.3364	18.0187	21.3777	0.0330		1.0049	1.0049		0.9718	0.9718						3,075.6457	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.2065	6.1660	1.7890	0.0168	0.4396	0.0139	0.4534	0.1265	0.0132	0.1398						1,793.0905	
Worker	2.4380	1.7187	19.2477	0.0577	6.0209	0.0478	6.0687	1.5966	0.0440	1.6406						5,750.6044	
Total	2.6445	7.8846	21.0368	0.0744	6.4604	0.0616	6.5221	1.7231	0.0573	1.7804						7,543.6950	

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	lb/day											lb/day					
Off-Road	1.0054	6.3944	22.2450	0.0330		0.2025	0.2025		0.2025	0.2025						3,075.6457	
Total	1.0054	6.3944	22.2450	0.0330		0.2025	0.2025		0.2025	0.2025						3,075.6457	

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	lb/day												lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.2065	6.1660	1.7890	0.0168	0.4396	0.0139	0.4534	0.1265	0.0132	0.1398						1,793.090 5	
Worker	2.4380	1.7187	19.2477	0.0577	6.0209	0.0478	6.0687	1.5966	0.0440	1.6406						5,750.604 4	
Total	2.6445	7.8846	21.0368	0.0744	6.4604	0.0616	6.5221	1.7231	0.0573	1.7804						7,543.695 0	

3.6 Building Construction (Basecamp, Bldg D, Bldg E) - 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	lb/day												lb/day				
Off-Road	2.1383	16.6004	21.2395	0.0330			0.8565	0.8565		0.8292	0.8292						3,076.097 4
Total	2.1383	16.6004	21.2395	0.0330			0.8565	0.8565		0.8292	0.8292						3,076.097 4

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	lb/day												lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.1940	5.8466	1.6953	0.0166	0.4396	0.0121	0.4517	0.1265	0.0116	0.1381						1,777.065 0	
Worker	2.2927	1.5529	17.7385	0.0556	6.0209	0.0463	6.0672	1.5966	0.0426	1.6392						5,548.196 5	
Total	2.4867	7.3996	19.4338	0.0722	6.4605	0.0584	6.5189	1.7231	0.0542	1.7773						7,325.261 5	

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	lb/day												lb/day				
Off-Road	0.9535	6.3024	22.1991	0.0330			0.1821	0.1821		0.1821	0.1821						3,076.097 4
Total	0.9535	6.3024	22.1991	0.0330			0.1821	0.1821		0.1821	0.1821						3,076.097 4

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.1940	5.8466	1.6953	0.0166	0.4396	0.0121	0.4517	0.1265	0.0116	0.1381						1,777.0650	
Worker	2.2927	1.5529	17.7385	0.0556	6.0209	0.0463	6.0672	1.5966	0.0426	1.6392						5,548.1965	
Total	2.4867	7.3996	19.4338	0.0722	6.4605	0.0584	6.5189	1.7231	0.0542	1.7773						7,325.2615	

3.6 Building Construction (Basecamp, Bldg D, Bldg E) - 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	lb/day											lb/day					
Off-Road	1.9836	15.4940	21.1554	0.0330		0.7369	0.7369		0.7138	0.7138						3,076.4872	
Total	1.9836	15.4940	21.1554	0.0330		0.7369	0.7369		0.7138	0.7138						3,076.4872	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.1436	4.3713	1.5080	0.0161	0.4396	5.7100e-003	0.4453	0.1265	5.4600e-003	0.1320						1,722.3103	
Worker	2.1627	1.4051	16.3129	0.0536	6.0209	0.0450	6.0658	1.5966	0.0414	1.6380						5,344.9315	
Total	2.3063	5.7764	17.8209	0.0696	6.4605	0.0507	6.5111	1.7231	0.0469	1.7700						7,067.2418	

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	lb/day											lb/day					
Off-Road	0.9090	6.2177	22.1632	0.0330		0.1646	0.1646		0.1646	0.1646						3,076.4872	
Total	0.9090	6.2177	22.1632	0.0330		0.1646	0.1646		0.1646	0.1646						3,076.4872	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.1436	4.3713	1.5080	0.0161	0.4396	5.7100e-003	0.4453	0.1265	5.4600e-003	0.1320						1,722.3103	
Worker	2.1627	1.4051	16.3129	0.0536	6.0209	0.0450	6.0658	1.5966	0.0414	1.6380						5,344.9315	
Total	2.3063	5.7764	17.8209	0.0696	6.4605	0.0507	6.5111	1.7231	0.0469	1.7700						7,067.2418	

3.7 Mat Foundation (Bldg A) - 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	lb/day											lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Off-Road	6.2500	49.7477	56.5460	0.0988		2.6748	2.6748		2.6569	2.6569						9,117.3652	
Total	6.2500	49.7477	56.5460	0.0988	0.0000	2.6748	2.6748	0.0000	2.6569	2.6569						9,117.3652	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	4.5783	166.0034	36.8045	0.3686	7.1133	0.3694	7.4828	1.9511	0.3535	2.3045						40,060.9520	
Worker	0.3657	0.2578	2.8872	8.6500e-003	0.9031	7.1700e-003	0.9103	0.2395	6.6000e-003	0.2461						862.5907	
Total	4.9440	166.2612	39.6916	0.3773	8.0164	0.3766	8.3931	2.1905	0.3601	2.5506						40,923.5427	

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	lb/day											lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Off-Road	2.1757	11.1857	60.4985	0.0988		0.4353	0.4353		0.4353	0.4353						9,117.3651	
Total	2.1757	11.1857	60.4985	0.0988	0.0000	0.4353	0.4353	0.0000	0.4353	0.4353						9,117.3651	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	4.5783	166.0034	36.8045	0.3686	7.1133	0.3694	7.4828	1.9511	0.3535	2.3045						40,960.95 20	
Worker	0.3657	0.2578	2.8872	8.6500e-003	0.9031	7.1700e-003	0.9103	0.2395	6.6000e-003	0.2461						862.5907	
Total	4.9440	166.2612	39.6916	0.3773	8.0164	0.3766	8.3931	2.1905	0.3601	2.5506						40,923.54 27	

3.8 Grading (Bldg B) - 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	lb/day											lb/day					
Fugitive Dust					0.2186	0.0000	0.2186	0.0331	0.0000	0.0331						0.0000	
Off-Road	2.4669	25.8784	21.6011	0.0509		1.1349	1.1349		1.0542	1.0542						4,956.433 1	
Total	2.4669	25.8784	21.6011	0.0509	0.2186	1.1349	1.3535	0.0331	1.0542	1.0873						4,956.433 1	

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	lb/day											lb/day					
Hauling	2.8260	87.5987	21.9570	0.2584	6.0383	0.2854	6.3236	1.6551	0.2730	1.9281						28,091.05 02	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	0.3657	0.2578	2.8872	8.6500e-003	0.9031	7.1700e-003	0.9103	0.2395	6.6000e-003	0.2461						862.5907	
Total	3.1917	87.8565	24.8441	0.2671	6.9414	0.2925	7.2339	1.8946	0.2796	2.1742						28,953.64 09	

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	lb/day											lb/day					
Fugitive Dust					0.0852	0.0000	0.0852	0.0129	0.0000	0.0129						0.0000	
Off-Road	0.6183	2.6793	28.7371	0.0509		0.0824	0.0824		0.0824	0.0824						4,956.433 1	
Total	0.6183	2.6793	28.7371	0.0509	0.0852	0.0824	0.1677	0.0129	0.0824	0.0954						4,956.433 1	

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	lb/day												lb/day				
Hauling	2.8260	87.5987	21.9570	0.2584	6.0383	0.2854	6.3236	1.6551	0.2730	1.9281						28,091.05 02	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	0.3657	0.2578	2.8872	8.6500e-003	0.9031	7.1700e-003	0.9103	0.2395	6.6000e-003	0.2461						862.5907	
Total	3.1917	87.8565	24.8441	0.2671	6.9414	0.2925	7.2339	1.8946	0.2796	2.1742						28,953.64 09	

3.9 Building Construction (Bldg A) - 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	lb/day												lb/day				
Off-Road	2.2896	17.5447	20.8127	0.0322		0.9770	0.9770		0.9461	0.9461						2,999.812 4	
Total	2.2896	17.5447	20.8127	0.0322		0.9770	0.9770		0.9461	0.9461						2,999.812 4	

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	lb/day												lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.2065	6.1660	1.7890	0.0168	0.4396	0.0139	0.4534	0.1265	0.0132	0.1398						1,793.090 5	
Worker	2.4380	1.7187	19.2477	0.0577	6.0209	0.0478	6.0687	1.5966	0.0440	1.6406						5,750.604 4	
Total	2.6445	7.8846	21.0368	0.0744	6.4604	0.0616	6.5221	1.7231	0.0573	1.7804						7,543.695 0	

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	lb/day												lb/day				
Off-Road	0.9959	6.3532	21.6595	0.0322		0.2013	0.2013		0.2013	0.2013						2,999.812 4	
Total	0.9959	6.3532	21.6595	0.0322		0.2013	0.2013		0.2013	0.2013						2,999.812 4	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.2065	6.1660	1.7890	0.0168	0.4396	0.0139	0.4534	0.1265	0.0132	0.1398						1,793.090 5	
Worker	2.4380	1.7187	19.2477	0.0577	6.0209	0.0478	6.0687	1.5966	0.0440	1.6406						5,750.604 4	
Total	2.6445	7.8846	21.0368	0.0744	6.4604	0.0616	6.5221	1.7231	0.0573	1.7804						7,543.695 0	

3.9 Building Construction (Bldg A) - 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	lb/day											lb/day					
Off-Road	2.0972	16.1815	20.6801	0.0322		0.8339	0.8339		0.8085	0.8085						3,000.178 8	
Total	2.0972	16.1815	20.6801	0.0322		0.8339	0.8339		0.8085	0.8085						3,000.178 8	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.1940	5.8466	1.6953	0.0166	0.4396	0.0121	0.4517	0.1265	0.0116	0.1381						1,777.065 0	
Worker	2.2927	1.5529	17.7385	0.0556	6.0209	0.0463	6.0672	1.5966	0.0426	1.6392						5,548.196 5	
Total	2.4867	7.3996	19.4338	0.0722	6.4605	0.0584	6.5189	1.7231	0.0542	1.7773						7,325.261 5	

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	lb/day											lb/day					
Off-Road	0.9441	6.2612	21.6136	0.0322		0.1808	0.1808		0.1808	0.1808						3,000.178 8	
Total	0.9441	6.2612	21.6136	0.0322		0.1808	0.1808		0.1808	0.1808						3,000.178 8	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.1940	5.8466	1.6953	0.0166	0.4396	0.0121	0.4517	0.1265	0.0116	0.1381						1,777.0650	
Worker	2.2927	1.5529	17.7385	0.0556	6.0209	0.0463	6.0672	1.5966	0.0426	1.6392						5,548.1965	
Total	2.4867	7.3996	19.4338	0.0722	6.4605	0.0584	6.5189	1.7231	0.0542	1.7773						7,325.2615	

3.9 Building Construction (Bldg A) - 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	lb/day											lb/day					
Off-Road	1.9458	15.1101	20.5976	0.0322		0.7180	0.7180		0.6964	0.6964						3,000.4835	
Total	1.9458	15.1101	20.5976	0.0322		0.7180	0.7180		0.6964	0.6964						3,000.4835	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.1436	4.3713	1.5080	0.0161	0.4396	5.7100e-003	0.4453	0.1265	5.4600e-003	0.1320						1,722.3103	
Worker	2.1627	1.4051	16.3129	0.0536	6.0209	0.0450	6.0658	1.5966	0.0414	1.6380						5,344.9315	
Total	2.3063	5.7764	17.8209	0.0696	6.4605	0.0507	6.5111	1.7231	0.0469	1.7700						7,067.2418	

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	lb/day											lb/day					
Off-Road	0.8995	6.1765	21.5777	0.0322		0.1633	0.1633		0.1633	0.1633						3,000.4835	
Total	0.8995	6.1765	21.5777	0.0322		0.1633	0.1633		0.1633	0.1633						3,000.4835	

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	lb/day												lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.1436	4.3713	1.5080	0.0161	0.4396	5.7100e-003	0.4453	0.1265	5.4600e-003	0.1320						1,722.3103	
Worker	2.1627	1.4051	16.3129	0.0536	6.0209	0.0450	6.0658	1.5966	0.0414	1.6380						5,344.9315	
Total	2.3063	5.7764	17.8209	0.0696	6.4605	0.0507	6.5111	1.7231	0.0469	1.7700						7,067.2418	

3.10 Mat Foundation (Bldg B) - 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	lb/day												lb/day				
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Off-Road	6.2500	49.7477	56.5460	0.0988		2.6748	2.6748		2.6569	2.6569						9,117.3652	
Total	6.2500	49.7477	56.5460	0.0988	0.0000	2.6748	2.6748	0.0000	2.6569	2.6569						9,117.3652	

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	lb/day												lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	3.9191	142.1041	31.5058	0.3156	6.0892	0.3163	6.4055	1.6702	0.3026	1.9727						34,293.4220	
Worker	0.3657	0.2578	2.8872	8.6500e-003	0.9031	7.1700e-003	0.9103	0.2395	6.6000e-003	0.2461						862.5907	
Total	4.2848	142.3619	34.3929	0.3242	6.9923	0.3234	7.3158	1.9097	0.3092	2.2188						35,156.0126	

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	lb/day												lb/day				
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Off-Road	2.1757	11.1857	60.4985	0.0988		0.4353	0.4353		0.4353	0.4353						9,117.3651	
Total	2.1757	11.1857	60.4985	0.0988	0.0000	0.4353	0.4353	0.0000	0.4353	0.4353						9,117.3651	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	3.9191	142.1041	31.5058	0.3156	6.0892	0.3163	6.4055	1.6702	0.3026	1.9727						34,293.42 20	
Worker	0.3657	0.2578	2.8872	8.6500e-003	0.9031	7.1700e-003	0.9103	0.2395	6.6000e-003	0.2461						862.5907	
Total	4.2848	142.3619	34.3929	0.3242	6.9923	0.3234	7.3158	1.9097	0.3092	2.2188						35,156.01 26	

3.11 Building Construction (Bldg B) - 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	lb/day											lb/day					
Off-Road	2.2896	17.5447	20.8127	0.0322		0.9770	0.9770		0.9461	0.9461						2,999.812 4	
Total	2.2896	17.5447	20.8127	0.0322		0.9770	0.9770		0.9461	0.9461						2,999.812 4	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.2065	6.1660	1.7890	0.0168	0.4396	0.0139	0.4534	0.1265	0.0132	0.1398						1,793.090 5	
Worker	2.4380	1.7187	19.2477	0.0577	6.0209	0.0478	6.0687	1.5966	0.0440	1.6406						5,750.604 4	
Total	2.6445	7.8846	21.0368	0.0744	6.4604	0.0616	6.5221	1.7231	0.0573	1.7804						7,543.695 0	

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	lb/day											lb/day					
Off-Road	0.9959	6.3532	21.6595	0.0322		0.2013	0.2013		0.2013	0.2013						2,999.812 4	
Total	0.9959	6.3532	21.6595	0.0322		0.2013	0.2013		0.2013	0.2013						2,999.812 4	

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	lb/day												lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.2065	6.1660	1.7890	0.0168	0.4396	0.0139	0.4534	0.1265	0.0132	0.1398						1,793.090 5	
Worker	2.4380	1.7187	19.2477	0.0577	6.0209	0.0478	6.0687	1.5966	0.0440	1.6406						5,750.604 4	
Total	2.6445	7.8846	21.0368	0.0744	6.4604	0.0616	6.5221	1.7231	0.0573	1.7804						7,543.695 0	

3.11 Building Construction (Bldg B) - 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	lb/day												lb/day				
Off-Road	2.0972	16.1815	20.6801	0.0322		0.8339	0.8339		0.8085	0.8085						3,000.178 8	
Total	2.0972	16.1815	20.6801	0.0322		0.8339	0.8339		0.8085	0.8085						3,000.178 8	

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	lb/day												lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.1940	5.8466	1.6953	0.0166	0.4396	0.0121	0.4517	0.1265	0.0116	0.1381						1,777.065 0	
Worker	2.2927	1.5529	17.7385	0.0556	6.0209	0.0463	6.0672	1.5966	0.0426	1.6392						5,548.196 5	
Total	2.4867	7.3996	19.4338	0.0722	6.4605	0.0584	6.5189	1.7231	0.0542	1.7773						7,325.261 5	

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	lb/day												lb/day				
Off-Road	0.9441	6.2612	21.6136	0.0322		0.1808	0.1808		0.1808	0.1808						3,000.178 8	
Total	0.9441	6.2612	21.6136	0.0322		0.1808	0.1808		0.1808	0.1808						3,000.178 8	

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	lb/day												lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.1940	5.8466	1.6953	0.0166	0.4396	0.0121	0.4517	0.1265	0.0116	0.1381						1,777.0650	
Worker	2.2927	1.5529	17.7385	0.0556	6.0209	0.0463	6.0672	1.5966	0.0426	1.6392						5,548.1965	
Total	2.4867	7.3996	19.4338	0.0722	6.4605	0.0584	6.5189	1.7231	0.0542	1.7773						7,325.2615	

3.11 Building Construction (Bldg B) - 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	lb/day												lb/day				
Off-Road	1.9458	15.1101	20.5976	0.0322		0.7180	0.7180		0.6964	0.6964						3,000.4835	
Total	1.9458	15.1101	20.5976	0.0322		0.7180	0.7180		0.6964	0.6964						3,000.4835	

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	lb/day												lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.1436	4.3713	1.5080	0.0161	0.4396	5.7100e-003	0.4453	0.1265	5.4600e-003	0.1320						1,722.3103	
Worker	2.1627	1.4051	16.3129	0.0536	6.0209	0.0450	6.0658	1.5966	0.0414	1.6380						5,344.9315	
Total	2.3063	5.7764	17.8209	0.0696	6.4605	0.0507	6.5111	1.7231	0.0469	1.7700						7,067.2418	

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	lb/day												lb/day				
Off-Road	0.8995	6.1765	21.5777	0.0322		0.1633	0.1633		0.1633	0.1633						3,000.4835	
Total	0.8995	6.1765	21.5777	0.0322		0.1633	0.1633		0.1633	0.1633						3,000.4835	

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	lb/day												lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.1436	4.3713	1.5080	0.0161	0.4396	5.7100e-003	0.4453	0.1265	5.4600e-003	0.1320						1,722.3103	
Worker	2.1627	1.4051	16.3129	0.0536	6.0209	0.0450	6.0658	1.5966	0.0414	1.6380						5,344.9315	
Total	2.3063	5.7764	17.8209	0.0696	6.4605	0.0507	6.5111	1.7231	0.0469	1.7700						7,067.2418	

3.12 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	lb/day												lb/day				
Archit. Coating	14.6996						0.0000	0.0000		0.0000	0.0000					0.0000	
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000	
Total	14.6996	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000	

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	lb/day												lb/day				
Hauling	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	
Worker	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	

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	lb/day												lb/day				
Archit. Coating	14.6996					0.0000	0.0000		0.0000	0.0000						0.0000	
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000	
Total	14.6996	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	lb/day											lb/day					
Hauling	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	
Worker	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	

3.12 Architectural Coating - 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	lb/day											lb/day					
Archit. Coating	14.6996						0.0000	0.0000		0.0000	0.0000					0.0000	
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000	
Total	14.6996	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000	

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	lb/day											lb/day					
Hauling	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	
Worker	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	

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	lb/day											lb/day					
Archit. Coating	14.6996					0.0000	0.0000		0.0000	0.0000						0.0000	
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000	
Total	14.6996	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	lb/day										lb/day					
Hauling	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
Worker	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							

Sunset Gower Studios Alternative 2 (Localized Daily Construction with Mitigation Measures Tier IV E - Los Angeles-South Coast County, Winter

**Sunset Gower Studios Alternative 2 (Localized Daily Construction with Mitigation Measures Tier IV E
Los Angeles-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	547.59	1000sqft	15.90	547,587.00	0
Industrial Park	72.36	1000sqft	1.66	72,355.00	0
Enclosed Parking with Elevator	1,244.00	Space	0.00	497,600.00	0
Unenclosed Parking Structure	0.00	Space	0.00	139,200.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2028
Utility Company Los Angeles Department of Water & Power					
CO2 Intensity (lb/MWhr)	570	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP RPS Value for 2028

Land Use - Site Specific

Construction Phase - Site Specific

Off-road Equipment - Project Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Project Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Project Specific

Off-road Equipment - Site Specific

Trips and VMT - Total haul trips are back calculated for peak daily activity for comparison to SCAQMD daily thresholds. Onsite VMT = .25 per trip

On-road Fugitive Dust - Site constraints

Demolition -

Grading -

Architectural Coating -

Area Coating -

Energy Use -

Construction Off-road Equipment Mitigation - Site Specific

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	15.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
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
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	403.00
tblConstructionPhase	NumDays	300.00	392.00
tblConstructionPhase	NumDays	300.00	350.00
tblConstructionPhase	NumDays	300.00	510.00
tblConstructionPhase	NumDays	20.00	68.00
tblConstructionPhase	NumDays	30.00	98.00
tblConstructionPhase	NumDays	30.00	41.00
tblConstructionPhase	NumDays	30.00	6.00
tblConstructionPhase	NumDays	10.00	8.00
tblConstructionPhase	NumDays	10.00	3.00
tblConstructionPhase	NumDays	10.00	1.00
tblGrading	MaterialExported	0.00	214,909.00
tblGrading	MaterialExported	0.00	90,000.00
tblGrading	MaterialExported	0.00	11,596.00
tblLandUse	LandUseSquareFeet	547,590.00	547,587.00
tblLandUse	LandUseSquareFeet	72,360.00	72,355.00
tblLandUse	LandUseSquareFeet	0.00	139,200.00
tblLandUse	LotAcreage	12.57	15.90
tblLandUse	LotAcreage	11.20	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	16.00
tblOffRoadEquipment	UsageHours	8.00	16.00
tblOffRoadEquipment	UsageHours	8.00	16.00
tblOnRoadDust	MeanVehicleSpeed	40.00	5.00
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tblOnRoadDust	MeanVehicleSpeed	40.00	5.00
tblOnRoadDust	MeanVehicleSpeed	40.00	5.00
tblOnRoadDust	MeanVehicleSpeed	40.00	5.00
tblOnRoadDust	MeanVehicleSpeed	40.00	5.00
tblOnRoadDust	MeanVehicleSpeed	40.00	5.00
tblOnRoadDust	MeanVehicleSpeed	40.00	5.00
tblOnRoadDust	MeanVehicleSpeed	40.00	5.00
tblOnRoadDust	MeanVehicleSpeed	40.00	5.00
tblOnRoadDust	MeanVehicleSpeed	40.00	5.00
tblOnRoadDust	MeanVehicleSpeed	40.00	5.00
tblOnRoadDust	MeanVehicleSpeed	40.00	5.00
tblOnRoadDust	MeanVehicleSpeed	40.00	5.00
tblOnRoadDust	VendorPercentPave	100.00	75.00
tblOnRoadDust	VendorPercentPave	100.00	75.00
tblOnRoadDust	VendorPercentPave	100.00	75.00
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tblOnRoadDust	VendorPercentPave	100.00	75.00
tblOnRoadDust	VendorPercentPave	100.00	75.00
tblOnRoadDust	VendorPercentPave	100.00	75.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	570
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripNumber	592.00	0.00
tblTripsAndVMT	HaulingTripNumber	26,864.00	0.00
tblTripsAndVMT	HaulingTripNumber	11,250.00	0.00
tblTripsAndVMT	HaulingTripNumber	1,450.00	0.00
tblTripsAndVMT	VendorTripLength	7.90	20.00
tblTripsAndVMT	VendorTripLength	7.90	15.00
tblTripsAndVMT	VendorTripLength	7.90	0.00
tblTripsAndVMT	VendorTripLength	7.90	78.30
tblTripsAndVMT	VendorTripLength	7.90	207.00

tblTripsAndVMT	VendorTripLength	7.90	78.40
tblTripsAndVMT	VendorTripLength	7.90	15.00
tblTripsAndVMT	VendorTripLength	7.90	257.00
tblTripsAndVMT	VendorTripLength	7.90	69.10
tblTripsAndVMT	VendorTripLength	7.90	15.00
tblTripsAndVMT	VendorTripLength	7.90	220.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	206.00	1.00
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tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	206.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	206.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
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tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	WorkerTripNumber	28.00	0.00
tblTripsAndVMT	WorkerTripNumber	473.00	0.00
tblTripsAndVMT	WorkerTripNumber	95.00	0.00
tblTripsAndVMT	WorkerTripNumber	23.00	0.00
tblTripsAndVMT	WorkerTripNumber	28.00	0.00
tblTripsAndVMT	WorkerTripNumber	23.00	0.00
tblTripsAndVMT	WorkerTripNumber	473.00	0.00
tblTripsAndVMT	WorkerTripNumber	28.00	0.00
tblTripsAndVMT	WorkerTripNumber	23.00	0.00
tblTripsAndVMT	WorkerTripNumber	473.00	0.00
tblTripsAndVMT	WorkerTripNumber	28.00	0.00
tblTripsAndVMT	WorkerTripNumber	23.00	0.00
tblTripsAndVMT	WorkerTripNumber	473.00	0.00
tblTripsAndVMT	WorkerTripNumber	28.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2021	10.9625	87.6906	99.3980	0.1724	35.5543	4.6662	39.2445	3.5693	4.5839	7.8649						16,113.21 79
2022	21.0470	49.3699	62.7202	0.0988	5.8844	2.5254	8.4098	0.5917	2.4472	3.0389						9,230.892 9
2023	20.5856	45.9990	62.4582	0.0988	5.8844	2.1734	8.0577	0.5917	2.1071	2.6988						9,227.350 2
Maximum	21.0470	87.6906	99.3980	0.1724	35.5543	4.6662	39.2445	3.5693	4.5839	7.8649						16,113.21 79

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	lb/day										lb/day					
2021	4.2635	26.3128	105.0646	0.1724	5.8511	0.8487	6.4996	0.6168	0.8483	1.4157						16,113.21 79

2022	17.5560	19.2315	65.5468	0.0988	0.9703	0.5448	1.5151	0.1032	0.5448	0.6480						9,230,892
2023	17.4184	18.8557	65.4264	0.0988	0.9703	0.4917	1.4619	0.1032	0.4916	0.5949						9,227,350
Maximum	17.5560	26.3128	105.0646	0.1724	5.8511	0.8487	6.4996	0.6168	0.8483	1.4157						16,113.21
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	25.40	64.82	-5.10	0.00	83.54	79.87	82.99	82.68	79.38	80.46	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 (Total)	Demolition	1/1/2021	4/6/2021	5	68	
2	Grading (Basecamp, Bldg D, Bldg E)	Grading	4/7/2021	8/20/2021	5	98	
3	Mat Foundation (Basecamp, Bldg D, Bldg E)	Site Preparation	8/23/2021	9/1/2021	5	8	
4	Grading (Bldg A)	Grading	9/7/2021	11/2/2021	5	41	
5	Building Construction (Basecamp, Bldg D, Bldg E)	Building Construction	9/7/2021	1/9/2023	5	350	
6	Mat Foundation (Bldg A)	Site Preparation	11/3/2021	11/5/2021	5	3	
7	Grading (Bldg B)	Grading	11/18/2021	11/25/2021	5	6	
8	Building Construction (Bldg A)	Building Construction	11/18/2021	11/1/2023	5	510	
9	Mat Foundation (Bldg B)	Site Preparation	11/26/2021	11/26/2021	5	1	
10	Building Construction (Bldg B)	Building Construction	12/1/2021	6/1/2023	5	392	
11	Architectural Coating	Architectural Coating	6/15/2022	12/29/2023	5	403	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 929,913; Non-Residential Outdoor: 309,971; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition (Total)	Aerial Lifts	2	8.00	63	0.31
Demolition (Total)	Air Compressors	2	8.00	78	0.48
Demolition (Total)	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition (Total)	Excavators	1	8.00	158	0.38
Demolition (Total)	Rubber Tired Dozers	1	8.00	247	0.40
Demolition (Total)	Skid Steer Loaders	1	8.00	65	0.37
Demolition (Total)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading (Basecamp, Bldg D, Bldg E)	Air Compressors	1	8.00	78	0.48
Grading (Basecamp, Bldg D, Bldg E)	Bore/Drill Rigs	2	8.00	221	0.50
Grading (Basecamp, Bldg D, Bldg E)	Cranes	2	8.00	23	0.29
Grading (Basecamp, Bldg D, Bldg E)	Excavators	2	8.00	158	0.38
Grading (Basecamp, Bldg D, Bldg E)	Graders	0	8.00	187	0.41
Grading (Basecamp, Bldg D, Bldg E)	Rubber Tired Dozers	0	8.00	247	0.40
Grading (Basecamp, Bldg D, Bldg E)	Scrapers	0	8.00	367	0.48
Grading (Basecamp, Bldg D, Bldg E)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Mat Foundation (Basecamp, Bldg D, Bldg E)	Cement and Mortar Mixers	4	24.00	9	0.56
Mat Foundation (Basecamp, Bldg D, Bldg E)	Pumps	4	24.00	84	0.74
Mat Foundation (Basecamp, Bldg D, Bldg E)	Rubber Tired Dozers	0	8.00	247	0.40
Mat Foundation (Basecamp, Bldg D, Bldg E)	Tractors/Loaders/Backhoes	1	16.00	97	0.37
Mat Foundation (Basecamp, Bldg D, Bldg E)	Welders	2	8.00	46	0.45
Grading (Bldg A)	Air Compressors	1	8.00	78	0.48
Grading (Bldg A)	Bore/Drill Rigs	2	8.00	221	0.50
Grading (Bldg A)	Cranes	2	8.00	23	0.29

Grading (Bldg A)	Excavators	2	8.00	158	0.38
Grading (Bldg A)	Graders	0	8.00	187	0.41
Grading (Bldg A)	Rubber Tired Dozers	0	8.00	247	0.40
Grading (Bldg A)	Scrapers	0	8.00	367	0.48
Grading (Bldg A)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction (Basecamp, Bldg D, Bldg E)	Aerial Lifts	2	8.00	63	0.31
Building Construction (Basecamp, Bldg D, Bldg E)	Air Compressors	2	8.00	78	0.48
Building Construction (Basecamp, Bldg D, Bldg E)	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction (Basecamp, Bldg D, Bldg E)	Cranes	0	7.00	231	0.29
Building Construction (Basecamp, Bldg D, Bldg E)	Forklifts	2	8.00	89	0.20
Building Construction (Basecamp, Bldg D, Bldg E)	Generator Sets	0	8.00	84	0.74
Building Construction (Basecamp, Bldg D, Bldg E)	Pumps	1	8.00	84	0.74
Building Construction (Basecamp, Bldg D, Bldg E)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction (Basecamp, Bldg D, Bldg E)	Welders	2	8.00	46	0.45
Mat Foundation (Bldg A)	Cement and Mortar Mixers	4	24.00	9	0.56
Mat Foundation (Bldg A)	Pumps	4	24.00	84	0.74
Mat Foundation (Bldg A)	Rubber Tired Dozers	0	8.00	247	0.40
Mat Foundation (Bldg A)	Tractors/Loaders/Backhoes	1	16.00	97	0.37
Mat Foundation (Bldg A)	Welders	2	8.00	46	0.45
Grading (Bldg B)	Air Compressors	1	8.00	78	0.48
Grading (Bldg B)	Bore/Drill Rigs	2	8.00	221	0.50
Grading (Bldg B)	Cranes	2	8.00	231	0.29
Grading (Bldg B)	Excavators	2	8.00	158	0.38
Grading (Bldg B)	Graders	0	8.00	187	0.41
Grading (Bldg B)	Rubber Tired Dozers	0	8.00	247	0.40
Grading (Bldg B)	Scrapers	0	8.00	367	0.48
Grading (Bldg B)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction (Bldg A)	Aerial Lifts	2	8.00	63	0.31
Building Construction (Bldg A)	Air Compressors	2	8.00	78	0.48
Building Construction (Bldg A)	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction (Bldg A)	Cranes	0	7.00	231	0.29
Building Construction (Bldg A)	Forklifts	2	8.00	89	0.20
Building Construction (Bldg A)	Generator Sets	0	8.00	84	0.74
Building Construction (Bldg A)	Pumps	1	8.00	84	0.74
Building Construction (Bldg A)	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction (Bldg A)	Welders	2	8.00	46	0.45
Mat Foundation (Bldg B)	Cement and Mortar Mixers	4	24.00	9	0.56
Mat Foundation (Bldg B)	Pumps	4	24.00	84	0.74
Mat Foundation (Bldg B)	Rubber Tired Dozers	0	8.00	247	0.40
Mat Foundation (Bldg B)	Tractors/Loaders/Backhoes	1	16.00	97	0.37
Mat Foundation (Bldg B)	Welders	2	8.00	46	0.45
Building Construction (Bldg B)	Aerial Lifts	2	8.00	63	0.31
Building Construction (Bldg B)	Air Compressors	2	8.00	78	0.48
Building Construction (Bldg B)	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction (Bldg B)	Cranes	0	7.00	231	0.29
Building Construction (Bldg B)	Forklifts	2	8.00	89	0.20
Building Construction (Bldg B)	Generator Sets	0	8.00	84	0.74
Building Construction (Bldg B)	Pumps	1	8.00	84	0.74
Building Construction (Bldg B)	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction (Bldg B)	Welders	2	8.00	46	0.45
Architectural Coating	Air Compressors	0	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
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Demolition (Total)	11	0.00	1.00	0.00	19.80	20.00	25.00	LD_Mix	HDT_Mix	HHDT
Grading (Basecamp, Bldg D, Bldg E)	9	0.00	1.00	0.00	19.80	78.30	25.00	LD_Mix	HDT_Mix	HHDT
Mat Foundation (Basecamp, Bldg D)	11	0.00	1.00	0.00	19.80	207.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading (Bldg A)	9	0.00	1.00	0.00	19.80	78.40	25.00	LD_Mix	HDT_Mix	HHDT
Building Construction (Basecamp, Bldg D)	12	0.00	1.00	0.00	19.80	15.00	20.00	LD_Mix	HDT_Mix	HHDT
Mat Foundation (Bldg A)	11	0.00	1.00	0.00	19.80	257.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading (Bldg B)	9	0.00	1.00	0.00	19.80	69.10	25.00	LD_Mix	HDT_Mix	HHDT
Building Construction (Bldg A)	12	0.00	1.00	0.00	19.80	15.00	20.00	LD_Mix	HDT_Mix	HHDT
Mat Foundation (Bldg B)	11	0.00	1.00	0.00	19.80	220.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction (Bldg RV)	12	0.00	1.00	0.00	19.80	15.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	19.80	0.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition (Total) - 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	lb/day										lb/day					
Fugitive Dust					1.8843	0.0000	1.8843	0.2853	0.0000	0.2853						0.0000
Off-Road	3.1539	29.2684	27.6030	0.0458		1.5214	1.5214		1.4474	1.4474						4,413.4963
Total	3.1539	29.2684	27.6030	0.0458	1.8843	1.5214	3.4057	0.2853	1.4474	1.7327						4,413.4963

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	6.4700e-003	0.1739	0.0509	6.3000e-004	2.6153	5.4000e-004	2.6158	0.2630	5.2000e-004	0.2635						67.4813
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Total	6.4700e-003	0.1739	0.0509	6.3000e-004	2.6153	5.4000e-004	2.6158	0.2630	5.2000e-004	0.2635						67.4813

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	lb/day										lb/day					
Fugitive Dust					0.7349	0.0000	0.7349	0.1113	0.0000	0.1113						0.0000
Off-Road	0.5820	4.9930	29.1578	0.0458		0.0687	0.0687		0.0687	0.0687						4,413.4963
Total	0.5820	4.9930	29.1578	0.0458	0.7349	0.0687	0.8036	0.1113	0.0687	0.1800						4,413.4963

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	6.4700e-003	0.1739	0.0509	6.3000e-004	0.4312	5.4000e-004	0.4318	0.0459	5.2000e-004	0.0464						67.4813	
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Total	6.4700e-003	0.1739	0.0509	6.3000e-004	0.4312	5.4000e-004	0.4318	0.0459	5.2000e-004	0.0464						67.4813	

3.3 Grading (Basecamp, Bldg D, Bldg E) - 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	lb/day											lb/day					
Fugitive Dust					0.2480	0.0000	0.2480	0.0376	0.0000	0.0376						0.0000	
Off-Road	2.4669	25.8784	21.6011	0.0509		1.1349	1.1349		1.0542	1.0542						4,956.4331	
Total	2.4669	25.8784	21.6011	0.0509	0.2480	1.1349	1.3829	0.0376	1.0542	1.0917						4,956.4331	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.0211	0.5166	0.1524	2.3300e-003	10.2387	2.0500e-003	10.2408	1.0294	1.9700e-003	1.0314						248.6277	
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Total	0.0211	0.5166	0.1524	2.3300e-003	10.2387	2.0500e-003	10.2408	1.0294	1.9700e-003	1.0314						248.6277	

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	lb/day											lb/day					
Fugitive Dust					0.0967	0.0000	0.0967	0.0147	0.0000	0.0147						0.0000	
Off-Road	0.6183	2.6793	28.7371	0.0509		0.0824	0.0824		0.0824	0.0824						4,956.4331	
Total	0.6183	2.6793	28.7371	0.0509	0.0967	0.0824	0.1792	0.0147	0.0824	0.0971						4,956.4331	

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	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							0.0000
Vendor	0.0211	0.5166	0.1524	2.3300e-003	1.6881	2.0500e-003	1.6902	0.1795	1.9700e-003	0.1815							248.6277
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							0.0000
Total	0.0211	0.5166	0.1524	2.3300e-003	1.6881	2.0500e-003	1.6902	0.1795	1.9700e-003	0.1815							248.6277

3.4 Mat Foundation (Basecamp, Bldg D, Bldg E) - 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	lb/day										lb/day						
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Off-Road	6.2500	49.7477	56.5460	0.0988		2.6748	2.6748		2.6569	2.6569						9,117.3652	
Total	6.2500	49.7477	56.5460	0.0988	0.0000	2.6748	2.6748	0.0000	2.6569	2.6569						9,117.3652	

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	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.0717	1.9723	0.5441	7.0700e-003	27.0572	8.2000e-003	27.0654	2.7160	7.8400e-003	2.7239						768.8471	
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Total	0.0717	1.9723	0.5441	7.0700e-003	27.0572	8.2000e-003	27.0654	2.7160	7.8400e-003	2.7239						768.8471	

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	lb/day										lb/day						
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Off-Road	2.1757	11.1857	60.4985	0.0988		0.4353	0.4353		0.4353	0.4353						9,117.3651	
Total	2.1757	11.1857	60.4985	0.0988	0.0000	0.4353	0.4353	0.0000	0.4353	0.4353						9,117.3651	

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	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	

Vendor	0.0717	1.9723	0.5441	7.0700e-003	4.4523	8.2000e-003	4.4605	0.4691	7.8400e-003	0.4770						768.8471
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Total	0.0717	1.9723	0.5441	7.0700e-003	4.4523	8.2000e-003	4.4605	0.4691	7.8400e-003	0.4770						768.8471

3.5 Grading (Bldg A) - 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	lb/day										lb/day					
Fugitive Dust					0.2483	0.0000	0.2483	0.0376	0.0000	0.0376						0.0000
Off-Road	2.4669	25.8784	21.6011	0.0509		1.1349	1.1349		1.0542	1.0542						4,956.4331
Total	2.4669	25.8784	21.6011	0.0509	0.2483	1.1349	1.3832	0.0376	1.0542	1.0918						4,956.4331

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0211	0.5171	0.1525	2.3300e-003	10.2518	2.0600e-003	10.2538	1.0308	1.9700e-003	1.0327						248.9384
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Total	0.0211	0.5171	0.1525	2.3300e-003	10.2518	2.0600e-003	10.2538	1.0308	1.9700e-003	1.0327						248.9384

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	lb/day										lb/day					
Fugitive Dust					0.0968	0.0000	0.0968	0.0147	0.0000	0.0147						0.0000
Off-Road	0.6183	2.6793	28.7371	0.0509		0.0824	0.0824		0.0824	0.0824						4,956.4331
Total	0.6183	2.6793	28.7371	0.0509	0.0968	0.0824	0.1793	0.0147	0.0824	0.0971						4,956.4331

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0211	0.5171	0.1525	2.3300e-003	1.6903	2.0600e-003	1.6923	0.1798	1.9700e-003	0.1817						248.9384
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Total	0.0211	0.5171	0.1525	2.3300e-003	1.6903	2.0600e-003	1.6923	0.1798	1.9700e-003	0.1817						248.9384

3.6 Building Construction (Basecamp, Bldg D, Bldg E) - 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	lb/day											lb/day					
Off-Road	2.3364	18.0187	21.3777	0.0330		1.0049	1.0049		0.9718	0.9718							3,075.6457
Total	2.3364	18.0187	21.3777	0.0330		1.0049	1.0049		0.9718	0.9718							3,075.6457

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	lb/day											lb/day					
Hauling	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	0.1445	0.0422	4.9000e-004	1.9615	4.1000e-004	1.9619	0.1972	4.0000e-004	0.1976							51.9456
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							0.0000
Total	5.2200e-003	0.1445	0.0422	4.9000e-004	1.9615	4.1000e-004	1.9619	0.1972	4.0000e-004	0.1976							51.9456

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	lb/day											lb/day					
Off-Road	1.0054	6.3944	22.2450	0.0330		0.2025	0.2025		0.2025	0.2025							3,075.6457
Total	1.0054	6.3944	22.2450	0.0330		0.2025	0.2025		0.2025	0.2025							3,075.6457

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	lb/day											lb/day					
Hauling	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	0.1445	0.0422	4.9000e-004	0.3234	4.1000e-004	0.3238	0.0344	4.0000e-004	0.0348							51.9456
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							0.0000
Total	5.2200e-003	0.1445	0.0422	4.9000e-004	0.3234	4.1000e-004	0.3238	0.0344	4.0000e-004	0.0348							51.9456

3.6 Building Construction (Basecamp, Bldg D, Bldg E) - 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	lb/day										lb/day						
Off-Road	2.1383	16.6004	21.2395	0.0330		0.8565	0.8565		0.8292	0.8292							3,076.0974
Total	2.1383	16.6004	21.2395	0.0330		0.8565	0.8565		0.8292	0.8292							3,076.0974

Unmitigated Construction Off-Site

Mitigated Construction On-Site

Mitigated Construction Off-Site

3.6 Building Construction (Basecamp, Bldg D, Bldg E) - 2023

Unmitigated Construction On-Site

Total	1.9836	15.4940	21.1554	0.0330		0.7369	0.7369		0.7138	0.7138						3,076.487 2
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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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	3.5900e-003	0.0950	0.0359	4.7000e-004	1.9615	1.7000e-004	1.9616	0.1972	1.6000e-004	0.1974						49.9654	
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Total	3.5900e-003	0.0950	0.0359	4.7000e-004	1.9615	1.7000e-004	1.9616	0.1972	1.6000e-004	0.1974						49.9654	

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	lb/day										lb/day					
Off-Road	0.9090	6.2177	22.1632	0.0330		0.1646	0.1646		0.1646	0.1646						3,076.4872
Total	0.9090	6.2177	22.1632	0.0330		0.1646	0.1646		0.1646	0.1646						3,076.4872

Mitigated Construction Off-Site

3.7 Mat Foundation (Bldg A) - 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	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	6.2500	49.7477	56.5460	0.0988		2.6748	2.6748		2.6569	2.6569						9,117.3652
Total	6.2500	49.7477	56.5460	0.0988	0.0000	2.6748	2.6748	0.0000	2.6569	2.6569						9,117.3652

Unmitigated Construction Off-Site

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	lb/day											lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Off-Road	2.1757	11.1857	60.4985	0.0988		0.4353	0.4353		0.4353	0.4353						9,117.3651	
Total	2.1757	11.1857	60.4985	0.0988	0.0000	0.4353	0.4353	0.0000	0.4353	0.4353						9,117.3651	

Mitigated Construction Off-Site

3.8 Grading (Bldg B) - 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	lb/day											lb/day					
Fugitive Dust					0.2186	0.0000	0.2186	0.0331	0.0000	0.0331						0.0000	
Off-Road	2.4669	25.8784	21.6011	0.0509		1.1349	1.1349		1.0542	1.0542						4,956.4331	
Total	2.4669	25.8784	21.6011	0.0509	0.2186	1.1349	1.3535	0.0331	1.0542	1.0873						4,956.4331	

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
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Category	lb/day										lb/day			
	Hauling	Vendor	Worker	Total	Hauling	Vendor	Worker	Total	Hauling	Vendor	Worker	Total		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
Vendor	0.0188	0.4625	0.1363	2.0600e-003	9.0357	1.8200e-003	9.0375	0.9085	1.7400e-003	0.9102				220.0420
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					0.0000
Total	0.0188	0.4625	0.1363	2.0600e-003	9.0357	1.8200e-003	9.0375	0.9085	1.7400e-003	0.9102				220.0420

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	lb/day										lb/day					
Fugitive Dust					0.0852	0.0000	0.0852	0.0129	0.0000	0.0129						0.0000
Off-Road	0.6183	2.6793	28.7371	0.0509		0.0824	0.0824		0.0824	0.0824						4,956.4331
Total	0.6183	2.6793	28.7371	0.0509	0.0852	0.0824	0.1677	0.0129	0.0824	0.0954						4,956.4331

Mitigated Construction Off-Site

3.9 Building Construction (Bldg A) - 2021

Unmitigated Construction On-Site

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	lb/day										lb/day						
Hauling	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	0.1445	0.0422	4.9000e-004	1.9615	4.1000e-004	1.9619	0.1972	4.0000e-004	0.1976						51.9456	

Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Total	5.2200e-003	0.1445	0.0422	4.9000e-004	1.9615	4.1000e-004	1.9619	0.1972	4.0000e-004	0.1976						51.9456

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	lb/day										lb/day					
Off-Road	0.9959	6.3532	21.6595	0.0322		0.2013	0.2013		0.2013	0.2013						2,999.8124
Total	0.9959	6.3532	21.6595	0.0322		0.2013	0.2013		0.2013	0.2013						2,999.8124

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	lb/day										lb/day					
Hauling	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	0.1445	0.0422	4.9000e-004	0.3234	4.1000e-004	0.3238	0.0344	4.0000e-004	0.0348						51.9456
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Total	5.2200e-003	0.1445	0.0422	4.9000e-004	0.3234	4.1000e-004	0.3238	0.0344	4.0000e-004	0.0348						51.9456

3.9 Building Construction (Bldg A) - 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	lb/day										lb/day					
Off-Road	2.0972	16.1815	20.6801	0.0322		0.8339	0.8339		0.8085	0.8085						3,000.1788
Total	2.0972	16.1815	20.6801	0.0322		0.8339	0.8339		0.8085	0.8085						3,000.1788

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	4.9200e-003	0.1355	0.0402	4.8000e-004	1.9615	3.6000e-004	1.9618	0.1972	3.5000e-004	0.1976						51.4793
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Total	4.9200e-003	0.1355	0.0402	4.8000e-004	1.9615	3.6000e-004	1.9618	0.1972	3.5000e-004	0.1976						51.4793

Mitigated Construction On-Site

Mitigated Construction Off-Site

3.9 Building Construction (Bldg A) - 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	lb/day										lb/day					
Off-Road	1.9458	15.1101	20.5976	0.0322		0.7180	0.7180		0.6964	0.6964						3,000.4835
Total	1.9458	15.1101	20.5976	0.0322		0.7180	0.7180		0.6964	0.6964						3,000.4835

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	3.5900e-003	0.0950	0.0359	4.7000e-004	1.9615	1.7000e-004	1.9616	0.1972	1.6000e-004	0.1974						49.9654
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Total	3.5900e-003	0.0950	0.0359	4.7000e-004	1.9615	1.7000e-004	1.9616	0.1972	1.6000e-004	0.1974						49.9654

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
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Category	lb/day								lb/day							
	Off-Road	0.8995	6.1765	21.5777	0.0322		0.1633	0.1633		0.1633	0.1633					3,000.4835
Total	0.8995	6.1765	21.5777	0.0322		0.1633	0.1633		0.1633	0.1633						3,000.4835

Mitigated Construction Off-Site

3.10 Mat Foundation (Bldg B) - 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	lb/day										lb/day						
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Off-Road	6.2500	49.7477	56.5460	0.0988		2.6748	2.6748		2.6569	2.6569						9,117.3652	
Total	6.2500	49.7477	56.5460	0.0988	0.0000	2.6748	2.6748	0.0000	2.6569	2.6569						9,117.3652	

Unmitigated Construction Off-Site

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	lb/day										lb/day						
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Off-Road	2.1757	11.1857	60.4985	0.0988		0.4353	0.4353		0.4353	0.4353						19,117.365	

Total	2.1757	11.1857	60.4985	0.0988	0.0000	0.4353	0.4353	0.0000	0.4353	0.4353						9,117.365 1
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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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0761	2.0905	0.5773	7.5100e-003	4.7319	8.7100e-003	4.7406	0.4986	8.3300e-003	0.5069						816.5036
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Total	0.0761	2.0905	0.5773	7.5100e-003	4.7319	8.7100e-003	4.7406	0.4986	8.3300e-003	0.5069						816.5036

3.11 Building Construction (Bldg B) - 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	lb/day										lb/day					
Off-Road	2.2896	17.5447	20.8127	0.0322		0.9770	0.9770		0.9461	0.9461						2,999.812 4
Total	2.2896	17.5447	20.8127	0.0322		0.9770	0.9770		0.9461	0.9461						2,999.812 4

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	lb/day										lb/day					
Hauling	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	0.1445	0.0422	4.9000e-004	1.9615	4.1000e-004	1.9619	0.1972	4.0000e-004	0.1976						51.9456
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Total	5.2200e-003	0.1445	0.0422	4.9000e-004	1.9615	4.1000e-004	1.9619	0.1972	4.0000e-004	0.1976						51.9456

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	lb/day										lb/day					
Off-Road	0.9959	6.3532	21.6595	0.0322		0.2013	0.2013		0.2013	0.2013						2,999.812 4
Total	0.9959	6.3532	21.6595	0.0322		0.2013	0.2013		0.2013	0.2013						2,999.812 4

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	lb/day											lb/day					
Hauling	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	0.1445	0.0422	4.9000e-004	0.3234	4.1000e-004	0.3238	0.0344	4.0000e-004	0.0348						51.9456	
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Total	5.2200e-003	0.1445	0.0422	4.9000e-004	0.3234	4.1000e-004	0.3238	0.0344	4.0000e-004	0.0348						51.9456	

3.11 Building Construction (Bldg B) - 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	lb/day											lb/day					
Off-Road	2.0972	16.1815	20.6801	0.0322		0.8339	0.8339		0.8085	0.8085						3,000.1788	
Total	2.0972	16.1815	20.6801	0.0322		0.8339	0.8339		0.8085	0.8085						3,000.1788	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	4.9200e-003	0.1355	0.0402	4.8000e-004	1.9615	3.6000e-004	1.9618	0.1972	3.5000e-004	0.1976						51.4793	
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Total	4.9200e-003	0.1355	0.0402	4.8000e-004	1.9615	3.6000e-004	1.9618	0.1972	3.5000e-004	0.1976						51.4793	

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	lb/day											lb/day					
Off-Road	0.9441	6.2612	21.6136	0.0322		0.1808	0.1808		0.1808	0.1808						3,000.1788	
Total	0.9441	6.2612	21.6136	0.0322		0.1808	0.1808		0.1808	0.1808						3,000.1788	

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	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	4.9200e-003	0.1355	0.0402	4.8000e-004	1.9615	3.6000e-004	1.9618	0.1972	3.5000e-004	0.1976						51.4793	
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Total	4.9200e-003	0.1355	0.0402	4.8000e-004	1.9615	3.6000e-004	1.9618	0.1972	3.5000e-004	0.1976						51.4793	

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	4.9200e-003	0.1355	0.0402	4.8000e-004	0.3234	3.6000e-004	0.3238	0.0344	3.5000e-004	0.0348					51.4793
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					0.0000
Total	4.9200e-003	0.1355	0.0402	4.8000e-004	0.3234	3.6000e-004	0.3238	0.0344	3.5000e-004	0.0348					51.4793

3.11 Building Construction (Bldg B) - 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	lb/day										lb/day					
Off-Road	1.9458	15.1101	20.5976	0.0322		0.7180	0.7180		0.6964	0.6964						3,000.4835
Total	1.9458	15.1101	20.5976	0.0322		0.7180	0.7180		0.6964	0.6964						3,000.4835

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	3.5900e-003	0.0950	0.0359	4.7000e-004	1.9615	1.7000e-004	1.9616	0.1972	1.6000e-004	0.1974						49.9654
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Total	3.5900e-003	0.0950	0.0359	4.7000e-004	1.9615	1.7000e-004	1.9616	0.1972	1.6000e-004	0.1974						49.9654

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	lb/day										lb/day					
Off-Road	0.8995	6.1765	21.5777	0.0322		0.1633	0.1633		0.1633	0.1633						3,000.4835
Total	0.8995	6.1765	21.5777	0.0322		0.1633	0.1633		0.1633	0.1633						3,000.4835

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	3.5900e-003	0.0950	0.0359	4.7000e-004	1.9615	1.7000e-004	1.9616	0.1972	1.6000e-004	0.1974						49.9654
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000

Total	3.5900e-003	0.0950	0.0359	4.7000e-004	0.3234	1.7000e-004	0.3236	0.0344	1.6000e-004	0.0346						49.9654
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3.12 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	lb/day										lb/day					
Archit. Coating	14.6996						0.0000	0.0000		0.0000						0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000					0.0000
Total	14.6996	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000					0.0000

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	lb/day										lb/day					
Hauling	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
Worker	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

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	lb/day										lb/day					
Archit. Coating	14.6996						0.0000	0.0000		0.0000	0.0000					0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000					0.0000
Total	14.6996	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	lb/day										lb/day					
Hauling	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
Worker	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

3.12 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	14.6996						0.0000	0.0000		0.0000	0.0000					0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000					0.0000
Total	14.6996	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000					0.0000

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	lb/day										lb/day					
Hauling	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
Worker	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							

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	lb/day										lb/day					
Archit. Coating	14.6996						0.0000	0.0000		0.0000	0.0000					0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000					0.0000
Total	14.6996	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	lb/day										lb/day					
Hauling	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
Worker	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

AIR QUALITY SUMMARY OF EMISSIONS (Alternative 2)

Operation Emissions (No Project Design Features)							Operation Emissions (With Project Design Features)							
Regional Baseline	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	Regional Baseline	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
	Area	14	<1	<1	<1	<1		Area	14	<1	<1	<1	<1	<1
	Energy	<1	2	2	<1	<1		Energy	<1	2	2	<1	<1	<1
	Mobile	8	37	102	<1	21		Mobile	8	37	102	<1	21	6
	Emergency Generator	<1	1	<1	<1	<1		Emergency Generator	<1	1	<1	<1	<1	<1
	Total	23	40	104	<1	22		Total	23	40	104	<1	22	6
Regional Baseline (Buidout)	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	Regional Baseline (Buidout)	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
	Area	14	<1	<1	<1	<1		Area	14	<1	<1	<1	<1	<1
	Energy	<1	2	1	<1	<1		Energy	<1	2	1	<1	<1	<1
	Mobile	4	20	50	<1	21	6	Mobile	4	20	50	<1	21	6
	Emergency Generator	<1	1	<1	<1	<1	Emergency Generator	<1	1	<1	<1	<1	<1	
	Total	19	24	52	<1	21	6	Total	19	24	52	<1	21	6
Regional Buildout	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	Regional Buildout	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
	Area	25	<1	<1	<1	<1		Area	25	<1	<1	<1	<1	<1
	Energy	<1	3	2	<1	<1		Energy	<1	3	2	<1	<1	<1
	Mobile	7	34	82	<1	35	10	Mobile	6	31	76	<1	32	9
	Emergency Generator	<1	<1	2	<1	<1	Emergency Generator	<1	<1	2	<1	<1	<1	
	Total	32	37	87	<1	35	10	Total	32	34	81	<1	33	9
Project Regional (Buildout Less Baseline)							Project Regional (Buildout Less Baseline)							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}		ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
	Area	11	<1	<1	<1	<1		Area	11	<1	<1	<1	<1	<1
	Energy	<1	1	<1	<1	<1		Energy	<1	1	<1	<1	<1	<1
	Mobile	3	13	32	<1	14	4	Mobile	2	11	26	<1	11	3
	Emergency Generator	<1	<1	2	<1	-<1	Emergency Generator	<1	-<1	2	<1	-<1	-<1	
	Total	14	13	35	<1	14	4	Total	13	11	29	<1	11	3
Project Localized (Buildout Less Baseline)	Threshold	55	55	550	150	150	Project Localized (Buildout Less Baseline)	Threshold	55	55	550	150	150	
	Difference	(41)	(42)	(515)	(150)	(136)								
	Impact	No	No	No	No	No		Impact	No	No	No	No	No	
	Onsite Total	0	3	0	0.1	Percent Reduction:	-4%	-19%	-18%	-21%	-19%	-19%		
	Threshold	107	1861	4.0	2.0	Onsite Total	0	3	0	0.1				
	Difference	(107)	(1858)	(4)	(2)	Threshold	107	1861	4.0	2.0				
Alternative 2 versus Project	Impact	No	No	No	No	Alternative 2 versus Project	Difference	(107)	(1858)	(4)	(2)			
	Alternative 2 Regional Emissions	13.8	13.2	35.0	0.2	13.9	3.8	Alternative 2 Regional Emissions	13.3	10.7	28.7	0.1	11.2	3.1
	Project Regional Emissions	13.2	12.8	34.0	0.1	13.5	3.7	Project Regional Emissions	12.7	10.5	28.1	0.1	10.8	3.0
	Difference	0.6	0.5	1.0	0.0	0.4	0.1	Difference	0.6	0.1	0.7	0.0	0.4	0.1
	% Difference	4.6%	3.5%	3.0%	Similar	3.2%	3.3%	% Difference	4.4%	1.2%	2.5%	Similar	3.4%	2.9%
	Alternative 2 Localized Emissions	0.12	2.70	0.05	0.05	Alternative 2 Localized Emissions	0.12	2.70	0.05	0.05				
Project Localized Emissions							Project Localized Emissions							
	0.06	2.65	0.05	0.05		0.06	2.65	0.05	0.05		0.06	2.65	0.05	0.05
	Similar	Similar	Similar	Similar		Similar	Similar	Similar	Similar		Similar	Similar	Similar	Similar

Sunset Gower - Alt 2
LADOT VMT Calculator Data

VMT Summary

	Existing	Proposed Project	With Mitigation	Project Weekday Trips	Weekend Trips	Weekend Vs. Weekday Ratio
Daily Trips	3,628	6,005	5,543	1	1	1.00
Daily VMT	27,103	44,831	41,391			

Pass-by trips

132 132

Note: Weekend trips and Pass-by trips are based on ITE Trip Generation (Total Project Driveway Trips).

Project without TDM (MXD Data)

	Unadjusted Trips	MXD Adjustment	MXD Trips	Average Trip Length	Unadjusted VMT	MXD VMT	MXD Reduction vs. Unadjusted MXD (%)
Home Based Work Production	0	0.0%	0	7.7	0	0	
Home Based Other Production	0	0.0%	0	4.9	0	0	
Non-Home Based Other Production	1023	-13.7%	883	7.4	7570	6534	
Home-Based Work Attraction	4038	-25.6%	3005	8.4	33919	25242	
Home-Based Other Attraction	2081	-40.7%	1234	6.0	12,486	7404	
Non-Home Based Other Attraction	1023	-13.7%	883	6.4	6547	5651	
Total	8,165				60,522	44,831	26%

Project with TDM (MXD Data)

	Proposed Project TDM Adjustment	Project Trips	Project VMT	Project with Mitigation Measures TDM Adjustment	Mitigated Trips	Mitigated VMT	MM Reduction vs. Unadjusted MXD (%)
Home Based Work Production	0.0%	0	0	-7.7%	0	0	
Home Based Other Production	0.0%	0	0	-7.7%	0	0	
Non-Home Based Other Production	0.0%	883	6534	-7.7%	815	6033	
Home-Based Work Attraction	0.0%	3005	25242	-7.7%	2774	23305	
Home-Based Other Attraction	0.0%	1234	7404	-7.7%	1139	6836	
Non-Home Based Other Attraction	0.0%	883	5651	-7.7%	815	5217	
Total	6,005	44,831		5,543	41,391		32%

Source: Linscott, Law and Greenspan

CalEEMod Inputs - PASTE THIS INTO CALEEMOD INPUT FILE**Trips**

VehicleTripsLandUseSubType	hicleTripsLandUseSizeMet	WD_TR	ST_TR	SU_TR	CC_TL	PR_TP	PB_TP	CC_TTP	
User Defined Commercial	User Defined Unit	3,628	3,628	3,628	7,4705	100.0	0.0	100	Existing Uses
User Defined Commercial	User Defined Unit	8,165	8,165	8,165	7,4124	100.0	0.0	100	Alt 2 no MXD or TDM
User Defined Commercial	User Defined Unit	6,005	6,005	6,005	7,4656	100.0	0.0	100	Alt 2 No TDM
User Defined Commercial	User Defined Unit	5,543	5,543	5,543	7,4673	100.0	0.0	100	Project With TDM

Pass-by Trips

User Defined Industrial	User Defined Unit	132	132	132	0.0	0.0	100.0	100	Existing Uses
User Defined Industrial	User Defined Unit	132	132	132	0.0	0.0	100.0	100	Alt 2 no MXD or TDM
User Defined Industrial	User Defined Unit	132	132	132	0.0	0.0	100.0	100	Alt 2 No TDM
User Defined Industrial	User Defined Unit	132	132	132	0.0	0.0	100.0	100	Alt 2 With TDM

	Project	Project w MM
Employee VMT	25242	23305
Employees	4063	4063
Work VMT per capita	6.2	5.7
SCAG Average	20.5	22.8
Employee Reduction (%)	-70%	-75%

Sunset Gower Alternative 2 (Buildout) - Without TDM - Los Angeles-South Coast County, Winter

Sunset Gower Alternative 2 (Buildout) - Without TDM
Los Angeles-South Coast County, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	819.37	1000sqft	18.81	819,369.00	0
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Industrial Park	279.49	1000sqft	0.00	279,491.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	1,244.00	Space	0.00	497,600.00	0
Enclosed Parking with Elevator	1,398.00	Space	0.00	559,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2028
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	570	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP RPS Value for 2028

Land Use - Site Specific

Vehicle Trips - Site Specific

Energy Use - Code Requirements

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Emergency Generators and Fire Pumps EF - BACT AQMD

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	3.92	0.41
tblLandUse	LandUseSquareFeet	819,370.00	819,369.00
tblLandUse	LandUseSquareFeet	279,490.00	279,491.00
tblLandUse	LotAcreage	6.42	0.00
tblLandUse	LotAcreage	12.58	0.00
tblLandUse	LotAcreage	11.20	0.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	570
tblStationaryGeneratorsPumpsEF	NOX_EF	4.56	0.50
tblStationaryGeneratorsPumpsEF	PM10_EF	0.15	0.02
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.15	0.02

tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	3.1000e-004
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	775.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.25
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	12.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	3.00
tblVehicleTrips	CC_TL	8.40	7.47
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	PB_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	0.00	6,005.00
tblVehicleTrips	ST_TR	0.00	132.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	0.00	6,005.00
tblVehicleTrips	SU_TR	0.00	132.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	0.00	6,005.00
tblVehicleTrips	WD_TR	0.00	132.00

2.0 Emissions Summary

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	lb/day										lb/day					
Area	25.0382	3.4500e-003	0.3812	3.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003						0.8724
Energy	0.3380	3.0726	2.5810	0.0184		0.2335	0.2335		0.2335	0.2335						3,708.9797
Mobile	6.9312	33.5193	82.0585	0.3521	34.7196	0.2529	34.9725	9.2882	0.2348	9.5231						36,076.1971
Stationary	0.1315	0.4677	2.4322	4.5800e-003		0.0187	0.0187		0.0187	0.0187						489.6779
Total	32.4389	37.0631	87.4528	0.3751	34.7196	0.5065	35.2261	9.2882	0.4884	9.7766						40,275.7271

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	lb/day										lb/day					
Area	25.0382	3.4500e-003	0.3812	3.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003						0.8724

Energy	0.3055	2.7768	2.3325	0.0167		0.2110	0.2110		0.2110	0.2110					3,351.977	1
Mobile	6.9312	33.5193	82.0585	0.3521	34.7196	0.2529	34.9725	9.2882	0.2348	9.5231					36,076.19	71
Stationary	0.1315	0.4677	2.4322	4.5800e-003		0.0187	0.0187		0.0187	0.0187					489.6779	
Total	32.4064	36.7673	87.2043	0.3734	34.7196	0.4840	35.2036	9.2882	0.4659	9.7542					39,918.72	45
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.10	0.80	0.28	0.47	0.00	4.44	0.06	0.00	4.60	0.23	0.00	0.00	0.00	0.00	0.00	0.89

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	1/1/2024	1/26/2024	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

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

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	731.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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	lb/day											lb/day					
Fugitive Dust					7.9049	0.0000	7.9049	1.1969	0.0000	1.1969						0.0000	
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922						3,773.634	
Total	2.2437	20.8781	19.7073	0.0388	7.9049	0.9602	8.8651	1.1969	0.8922	2.0891						3,773.634	
																5	

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	lb/day											lb/day					
Hauling	0.1954	6.0095	2.1873	0.0263	0.6392	0.0111	0.6502	0.1752	0.0106	0.1858						2,871.010 9	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	0.0601	0.0364	0.4354	1.4500e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456						144.9587	
Total	0.2555	6.0460	2.6226	0.0277	0.8069	0.0123	0.8192	0.2197	0.0117	0.2314						3,015.969 6	

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	lb/day											lb/day					
Fugitive Dust					3.0829	0.0000	3.0829	0.4668	0.0000	0.4668						0.0000	
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922						3,773.634 5	
Total	2.2437	20.8781	19.7073	0.0388	3.0829	0.9602	4.0431	0.4668	0.8922	1.3590						3,773.634 5	

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	lb/day											lb/day					
Hauling	0.1954	6.0095	2.1873	0.0263	0.6392	0.0111	0.6502	0.1752	0.0106	0.1858						2,871.010 9	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	0.0601	0.0364	0.4354	1.4500e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456						144.9587	
Total	0.2555	6.0460	2.6226	0.0277	0.8069	0.0123	0.8192	0.2197	0.0117	0.2314						3,015.969 6	

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	lb/day											lb/day					
Mitigated	6.9312	33.5193	82.0585	0.3521	34.7196	0.2529	34.9725	9.2882	0.2348	9.5231						36,076.19 71	
Unmitigated	6.9312	33.5193	82.0585	0.3521	34.7196	0.2529	34.9725	9.2882	0.2348	9.5231						36,076.19 71	

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT		
Enclosed Parking with Elevator	0.00	0.00	0.00				
Enclosed Parking with Elevator	0.00	0.00	0.00				
General Office Building	0.00	0.00	0.00				
Industrial Park	0.00	0.00	0.00				
User Defined Commercial	6,005.00	6,005.00	6005.00	16,328,075		16,328,075	
User Defined Industrial	132.00	132.00	132.00	4,805		4,805	
Total	6,137.00	6,137.00	6,137.00	16,332,880		16,332,880	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
User Defined Commercial	16.60	7.47	6.90	0.00	100.00	0.00	100	0	0
User Defined Industrial	16.60	0.00	6.90	0.00	100.00	0.00	0	0	100

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
General Office Building	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Industrial Park	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
User Defined Commercial	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
User Defined Industrial	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day												lb/day			
NaturalGas Mitigated	0.3055	2.7768	2.3325	0.0167		0.2110	0.2110		0.2110	0.2110						3,351.977
NaturalGas Unmitigated	0.3380	3.0726	2.5810	0.0184		0.2335	0.2335		0.2335	0.2335						3,708.979

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	lb/day											lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000						0.0000	
General Office Building	23368.9	0.2520	2.2911	1.9245	0.0138			0.1741	0.1741		0.1741	0.1741					2,765.6144	
Industrial Park	7971.24	0.0860	0.7615	0.6565	4.6900e-003			0.0594	0.0594		0.0594	0.0594					943.3654	
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000					0.0000	
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000					0.0000	
Total		0.3380	3.0726	2.5809	0.0184			0.2335	0.2335		0.2335	0.2335					3,708.9797	

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	lb/day											lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000					0.0000	
General Office Building	21.1195	0.2278	2.0705	1.7393	0.0124			0.1574	0.1574		0.1574	0.1574					2,499.4140	
Industrial Park	7.20398	0.0777	0.7063	0.5933	4.2400e-003			0.0537	0.0537		0.0537	0.0537					852.5630	
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000					0.0000	
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000					0.0000	
Total		0.3055	2.7768	2.3325	0.0167			0.2110	0.2110		0.2110	0.2110					3,351.9771	

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	lb/day											lb/day					
Mitigated	25.0382	3.4500e-003	0.3812	3.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003							0.8724
Unmitigated	25.0382	3.4500e-003	0.3812	3.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003							0.8724

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	lb/day											lb/day					

Architectural Coating	2.8713					0.0000	0.0000		0.0000	0.0000					0.0000
Consumer Products	22.1318					0.0000	0.0000		0.0000	0.0000					0.0000
Landscaping	0.0351	3.4500e-003	0.3812	3.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003					0.8724
Total	25.0382	3.4500e-003	0.3812	3.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003					0.8724

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	lb/day											lb/day				
Architectural Coating	2.8713					0.0000	0.0000		0.0000	0.0000					0.0000	
Consumer Products	22.1318					0.0000	0.0000		0.0000	0.0000					0.0000	
Landscaping	0.0351	3.4500e-003	0.3812	3.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003					0.8724	
Total	25.0382	3.4500e-003	0.3812	3.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003					0.8724	

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	3	0.25	12	775	0.73	Diesel

Boilers

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

Equipment Type	Number
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10.1 Stationary Sources

Unmitigated/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
Equipment Type	lb/day										lb/day					

Emergency Generator - Diesel (750,000 LID)	0.1315	0.4677	2.4322	4.5800e-003		0.0187	0.0187		0.0187	0.0187						489.6779
Total	0.1315	0.4677	2.4322	4.5800e-003		0.0187	0.0187		0.0187	0.0187						489.6779

11.0 Vegetation

Sunset Gower Alternative 2 (Buildout) - With TDM - Los Angeles-South Coast County, Winter

Sunset Gower Alternative 2 (Buildout) - With TDM
Los Angeles-South Coast County, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	819.37	1000sqft	18.81	819,369.00	0
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Industrial Park	279.49	1000sqft	0.00	279,491.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	1,244.00	Space	0.00	497,600.00	0
Enclosed Parking with Elevator	1,398.00	Space	0.00	559,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2028
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	570	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP RPS Value for 2028

Land Use - Site Specific

Vehicle Trips - Site Specific

Energy Use - Code Requirements

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Emergency Generators and Fire Pumps EF - BACT AQMD

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	3.92	0.41
tblLandUse	LandUseSquareFeet	819,370.00	819,369.00
tblLandUse	LandUseSquareFeet	279,490.00	279,491.00
tblLandUse	LotAcreage	6.42	0.00
tblLandUse	LotAcreage	11.20	0.00
tblLandUse	LotAcreage	12.58	0.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	570
tblStationaryGeneratorsPumpsEF	NOX_EF	4.56	0.50
tblStationaryGeneratorsPumpsEF	PM10_EF	0.15	0.02
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.15	0.02

tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	3.1000e-004
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	775.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.25
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	12.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	3.00
tblVehicleTrips	CC_TL	8.40	7.47
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	PB_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	0.00	5,543.00
tblVehicleTrips	ST_TR	0.00	132.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	0.00	5,543.00
tblVehicleTrips	SU_TR	0.00	132.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	0.00	5,543.00
tblVehicleTrips	WD_TR	0.00	132.00

2.0 Emissions Summary

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	lb/day										lb/day					
Area	25.0382	3.4500e-003	0.3812	3.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003						0.8724
Energy	0.3380	3.0726	2.5810	0.0184		0.2335	0.2335		0.2335	0.2335						3,708.97
Mobile	6.4048	30.9722	75.7742	0.3250	32.0492	0.2335	32.2827	8.5738	0.2168	8.7906						33,305.61
Stationary	0.1315	0.4677	2.4322	4.5800e-003		0.0187	0.0187		0.0187	0.0187						489.6779
Total	31.9125	34.5159	81.1685	0.3481	32.0492	0.4871	32.5363	8.5738	0.4704	9.0442						37,505.14
																74

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	lb/day										lb/day					
Area	25.0382	3.4500e-003	0.3812	3.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003						0.8724

Energy	0.3055	2.7768	2.3325	0.0167		0.2110	0.2110		0.2110	0.2110					3,351.977	
Mobile	6.4048	30.9722	75.7742	0.3250	32.0492	0.2335	32.2827	8.5738	0.2168	8.7906					33,305.6173	
Stationary	0.1315	0.4677	2.4322	4.5800e-003		0.0187	0.0187		0.0187	0.0187					489.6779	
Total	31.8799	34.2202	80.9200	0.3463	32.0492	0.4646	32.5138	8.5738	0.4479	9.0218					37,148.1447	
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.10	0.86	0.31	0.51	0.00	4.61	0.07	0.00	4.78	0.25	0.00	0.00	0.00	0.00	0.00	0.95

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	1/1/2024	1/26/2024	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

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

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	731.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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	lb/day											lb/day					
Fugitive Dust					7.9049	0.0000	7.9049	1.1969	0.0000	1.1969						0.0000	
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922						3,773.6345	
Total	2.2437	20.8781	19.7073	0.0388	7.9049	0.9602	8.8651	1.1969	0.8922	2.0891						3,773.6345	

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	lb/day											lb/day					
Hauling	0.1954	6.0095	2.1873	0.0263	0.6392	0.0111	0.6502	0.1752	0.0106	0.1858						2,871.010 9	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	0.0601	0.0364	0.4354	1.4500e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456						144.9587	
Total	0.2555	6.0460	2.6226	0.0277	0.8069	0.0123	0.8192	0.2197	0.0117	0.2314						3,015.969 6	

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	lb/day											lb/day					
Fugitive Dust					3.0829	0.0000	3.0829	0.4668	0.0000	0.4668						0.0000	
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922						3,773.634 5	
Total	2.2437	20.8781	19.7073	0.0388	3.0829	0.9602	4.0431	0.4668	0.8922	1.3590						3,773.634 5	

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	lb/day											lb/day					
Hauling	0.1954	6.0095	2.1873	0.0263	0.6392	0.0111	0.6502	0.1752	0.0106	0.1858						2,871.010 9	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	0.0601	0.0364	0.4354	1.4500e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456						144.9587	
Total	0.2555	6.0460	2.6226	0.0277	0.8069	0.0123	0.8192	0.2197	0.0117	0.2314						3,015.969 6	

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	lb/day											lb/day					
Mitigated	6.4048	30.9722	75.7742	0.3250	32.0492	0.2335	32.2827	8.5738	0.2168	8.7906						33,305.61 73	
Unmitigated	6.4048	30.9722	75.7742	0.3250	32.0492	0.2335	32.2827	8.5738	0.2168	8.7906						33,305.61 73	

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT		
Enclosed Parking with Elevator	0.00	0.00	0.00				
Enclosed Parking with Elevator	0.00	0.00	0.00				
General Office Building	0.00	0.00	0.00				
Industrial Park	0.00	0.00	0.00				
User Defined Commercial	5,543.00	5,543.00	5543.00	15,071,860		15,071,860	
User Defined Industrial	132.00	132.00	132.00	4,805		4,805	
Total	5,675.00	5,675.00	5,675.00	15,076,665		15,076,665	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
User Defined Commercial	16.60	7.47	6.90	0.00	100.00	0.00	100	0	0
User Defined Industrial	16.60	0.00	6.90	0.00	100.00	0.00	0	0	100

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
General Office Building	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Industrial Park	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
User Defined Commercial	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
User Defined Industrial	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day												lb/day			
NaturalGas Mitigated	0.3055	2.7768	2.3325	0.0167		0.2110	0.2110		0.2110	0.2110						3,351.977
NaturalGas Unmitigated	0.3380	3.0726	2.5810	0.0184		0.2335	0.2335		0.2335	0.2335						3,708.979

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	lb/day											lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000						0.0000	
General Office Building	23368.9	0.2520	2.2911	1.9245	0.0138			0.1741	0.1741		0.1741	0.1741					2,765.6144	
Industrial Park	7971.24	0.0860	0.7615	0.6565	4.6900e-003			0.0594	0.0594		0.0594	0.0594					943.3654	
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000					0.0000	
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000					0.0000	
Total		0.3380	3.0726	2.5809	0.0184			0.2335	0.2335		0.2335	0.2335					3,708.9797	

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	lb/day											lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000					0.0000	
General Office Building	21.1195	0.2278	2.0705	1.7393	0.0124			0.1574	0.1574		0.1574	0.1574					2,499.4140	
Industrial Park	7.20398	0.0777	0.7063	0.5933	4.2400e-003			0.0537	0.0537		0.0537	0.0537					852.5630	
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000					0.0000	
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000					0.0000	
Total		0.3055	2.7768	2.3325	0.0167			0.2110	0.2110		0.2110	0.2110					3,351.9771	

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	lb/day											lb/day					
Mitigated	25.0382	3.4500e-003	0.3812	3.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003							0.8724
Unmitigated	25.0382	3.4500e-003	0.3812	3.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003							0.8724

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	lb/day											lb/day					

Architectural Coating	2.8713					0.0000	0.0000		0.0000	0.0000					0.0000
Consumer Products	22.1318					0.0000	0.0000		0.0000	0.0000					0.0000
Landscaping	0.0351	3.4500e-003	0.3812	3.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003					0.8724
Total	25.0382	3.4500e-003	0.3812	3.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003					0.8724

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	lb/day											lb/day				
Architectural Coating	2.8713					0.0000	0.0000		0.0000	0.0000					0.0000	
Consumer Products	22.1318					0.0000	0.0000		0.0000	0.0000					0.0000	
Landscaping	0.0351	3.4500e-003	0.3812	3.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003					0.8724	
Total	25.0382	3.4500e-003	0.3812	3.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003					0.8724	

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	3	0.25	12	775	0.73	Diesel

Boilers

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

Equipment Type	Number
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10.1 Stationary Sources

Unmitigated/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
Equipment Type	lb/day										lb/day					

Emergency Generator - Diesel (750,000 LID)	0.1315	0.4677	2.4322	4.5800e-003		0.0187	0.0187		0.0187	0.0187						489.6779
Total	0.1315	0.4677	2.4322	4.5800e-003		0.0187	0.0187		0.0187	0.0187						489.6779

11.0 Vegetation

GHG SOURCE CALCULATIONS (Alternative 2):

ENERGY

Calculation of Carbon Intensity Factor for RPS of 50 Percent (Consistent with SB 350) based on LADWP 2016 Integrated Resource Plan, December 2016

Year	Year
-2016 = 840 lb/MWh	2018
-Post 2030 with an RPS of 50% = 525 lb/MWh	795

Consistent with Section 120.6(c), Mandatory Requirements for Enclosed Parking Garages, the ventilation rate shall be at least 0.15 cfm/sq ft when the garage is scheduled to be occupied.

Buildout Parking Garage Ventilation

Square Footage =	953,200 ft ²
Minimum Ventilation =	0.15 cfm/ft ²
Flowrate =	142980 cfm
Number of Fans (12,000 cfm)	11.9 fans
Number of Fans	12 fans
Horsepower per Fan	9 hp
Horsepower to kW Conv.	0.746 kW per hp
Total kW =	80.568
Annual kW =	352,888 conservatively assumes operational 50 percent of the time even though it would only be operational when CO sensors read CO concentrations in excess of 25 ppm (2013 Building Energy Efficiency Standards)
Usage Rate:	0.37 kWh/sq ft annual
Adjustment:	0.41 (CalEEMod applies mitigation to all land uses. So, this adjustment accounts for the 10% reduction in Title 24 standards associated with LEED Silver)

Buildout Parking Garage Lighting

Square Footage =	1,094,800 ft ²
Allowed Lighting Power =	0.2 watts per ft ² (Table 140.6 (Complete Building Method Lighting Power Density Value) of the 2013 Building Energy Efficiency Standards)
Annual kW =	1,913,294 conservatively assumes maximum lighting power 24 hours per day
Annual kW/Sq ft =	1.75 kWh/sq ft annual
Adjustment:	2.33 (CalEEMod applies mitigation to all land uses. So, this adjustment accounts for the 25% reduction in lighting associated with LEED Silver)

Elevator (no change CalEEMod Default)

0.19 kWh/sq ft annual

Summary of GHG Emissions

Area	Baseline (2018)	Baseline (Buildout)	Buildout-No PDFs	Buildout-PDFs	Other Reductions	Project	% Reduction	% Project
Energy	4,240	0	0	4,375	-	1,639	#VALUE!	0%
Mobile	4,694	3,655	8,151	6,043	(20)	2,387	-26%	51%
EV Chargers					(20)			
Emergency Generators	4	4	11	11		7	0%	0%
Waste	76	76	132	132		56	0%	1%
Water	899	692	1,255	1,004		312	-20%	7%
Construction			295	295		295	0%	6%
Total	9,913	7,163	9,823	11,839		4,676	21%	100%

APPLICABLE GHG REDUCTION MEASURES Included within CalEEMod

Energy Reduction Measures Included in CalEEMod Run:

High Efficiency Lighting (25%)
Title 24 10% (2019 Standards more stringent than 2016 Standards)
Energy Star

Water Reduction Measures Included in CalEEMod Run:

20% below baseline requirements

Waste Diversion Rate Reduction Measures Included in CalEEMod Run:

Consistency with LA County Diversion Rate of 76.4

GHG Emissions Reductions for Commercial Uses Associated with City Requirements for Electric Vehicle Charging Stations/Plugins

Step 1: Estimating GHG Emissions Reduction to Replace Gasoline/Diesel Vehicle with Electric Vehicle

LADWP Electricity Emission Factor ¹	0.29 MTCO2E/MWh
Fuel Economy of Electric Vehicle ²	0.25 kWh/mile
Gasoline/Diesel CO2 Emissions While Running ³	242.7 grams/mile
Annual VMT Reduction per Parking Spot ⁴	9,125 miles/charging station/year
Number of On-Site Chargers	13
Annual VMT Reduction All Stations/Plugins (Based on Charge)	118,625

Step 2: Estimating GHG Emissions Reduction from Installing Electric Vehicle Charging Stations/Plugins

GHG Emissions of Gasoline/Diesel Vehicle	29 MTCO2E/MWh
GHG Emissions of Electric Vehicle	8 MTCO2E/MWh
GHG Emissions Reduction	20 MTCO2E/MWh

Notes:

1) CO2 intensity factor reflects a 2028 RPS for LADWP (570 lbs of CO2E/MWh).

2) US Department of Energy, 2013. Benefits and Considerations of Electricity as a Vehicle Fuel. Available at: http://afdc.energy.gov/fuels/electricity_benefits.html.

3) CARB, 2017. EMFAC2017, running exhaust emission rate for CO2 and CH4 for light duty gasoline- and diesel-powered vehicles in Los Angeles, aggregated for all models and speeds, averaged over all seasons for 2028. 4) Annual VMT reduction estimated based on an estimate of 10 hours of charge time for a Level 2 charging station that charges at a rate of 25 driving range per hour. It is conservatively assumed that 10% of the miles charged would be driven by the charged vehicles.

Sunset Gower Studios Alternative 2 (Regional Annual Construction with Mitigation Measures Tier IV E - Los Angeles-South Coast County, Annual

**Sunset Gower Studios Alternative 2 (Regional Annual Construction with Mitigation Measures Tier IV E
Los Angeles-South Coast County, Annual)**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	547.59	1000sqft	15.90	547,587.00	0
Industrial Park	72.36	1000sqft	1.66	72,355.00	0
Enclosed Parking with Elevator	1,244.00	Space	0.00	497,600.00	0
Unenclosed Parking Structure	0.00	Space	0.00	139,200.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2028
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	570	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP RPS Value for 2028

Land Use - Site Specific

Construction Phase - Site Specific

Off-road Equipment - Project Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Project Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Project Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Project Specific

Trips and VMT - Total haul trips are back calculated for peak daily activity for comparison to SCAQMD daily thresholds.

On-road Fugitive Dust - Site constraints

Demolition -

Grading -

Architectural Coating -

Area Coating -

Energy Use -

Construction Off-road Equipment Mitigation - Site Specific

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5

tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	5
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstructionPhase	NumDays	300.00	350.00
tblConstructionPhase	NumDays	300.00	510.00
tblConstructionPhase	NumDays	20.00	68.00
tblConstructionPhase	NumDays	30.00	98.00
tblConstructionPhase	NumDays	30.00	41.00
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tblConstructionPhase	NumDays	10.00	1.00
tblGrading	MaterialExported	0.00	214,909.00
tblGrading	MaterialExported	0.00	90,000.00
tblGrading	MaterialExported	0.00	11,596.00
tblLandUse	LandUseSquareFeet	547,590.00	547,587.00
tblLandUse	LandUseSquareFeet	72,360.00	72,355.00
tblLandUse	LandUseSquareFeet	0.00	139,200.00
tblLandUse	LotAcreage	12.57	15.90
tblLandUse	LotAcreage	11.20	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	PhaseName		Demolition (Total)
tblOffRoadEquipment	PhaseName		Demolition (Total)
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tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	16.00
tblOffRoadEquipment	UsageHours	8.00	16.00
tblOffRoadEquipment	UsageHours	8.00	16.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	570
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripNumber	592.00	755.00
tblTripsAndVMT	HaulingTripNumber	26,864.00	30,702.00
tblTripsAndVMT	HaulingTripNumber	11,250.00	12,858.00
tblTripsAndVMT	HaulingTripNumber	1,450.00	1,658.00
tblTripsAndVMT	VendorTripNumber	206.00	60.00
tblTripsAndVMT	VendorTripNumber	0.00	828.00

tblTripsAndVMT	VendorTripNumber	206.00	60.00
tblTripsAndVMT	VendorTripNumber	0.00	1,028.00
tblTripsAndVMT	VendorTripNumber	206.00	60.00
tblTripsAndVMT	VendorTripNumber	0.00	880.00
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
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tblTripsAndVMT	WorkerTripNumber	28.00	60.00
tblTripsAndVMT	WorkerTripNumber	473.00	400.00
tblTripsAndVMT	WorkerTripNumber	95.00	0.00
tblTripsAndVMT	WorkerTripNumber	23.00	60.00
tblTripsAndVMT	WorkerTripNumber	28.00	60.00
tblTripsAndVMT	WorkerTripNumber	23.00	60.00
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tblTripsAndVMT	WorkerTripNumber	28.00	60.00
tblTripsAndVMT	WorkerTripNumber	23.00	60.00
tblTripsAndVMT	WorkerTripNumber	473.00	400.00
tblTripsAndVMT	WorkerTripNumber	28.00	60.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

Mitigated Construction

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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 (Total)	Demolition	1/1/2021	4/6/2021	5	68	
2	Grading (Basecamp, Bldg D, Bldg E)	Grading	4/7/2021	8/20/2021	5	98	
3	Mat Foundation (Basecamp, Bldg D, Bldg E)	Site Preparation	8/23/2021	9/1/2021	5	8	
4	Grading (Bldg A)	Grading	9/7/2021	11/2/2021	5	41	
5	Building Construction (Basecamp, Bldg D, Bldg E)	Building Construction	9/7/2021	1/9/2023	5	350	
6	Mat Foundation (Bldg A)	Site Preparation	11/3/2021	11/5/2021	5	3	
7	Grading (Bldg B)	Grading	11/18/2021	11/25/2021	5	6	
8	Building Construction (Bldg A)	Building Construction	11/18/2021	11/1/2023	5	510	
9	Mat Foundation (Bldg B)	Site Preparation	11/26/2021	11/26/2021	5	1	
10	Building Construction (Bldg B)	Building Construction	12/1/2021	6/1/2023	5	392	
11	Architectural Coating	Architectural Coating	6/15/2022	12/29/2023	5	403	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 929,913; Non-Residential Outdoor: 309,971; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition (Total)	Aerial Lifts	2	8.00	63	0.31
Demolition (Total)	Air Compressors	2	8.00	78	0.48
Demolition (Total)	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition (Total)	Excavators	1	8.00	158	0.38
Demolition (Total)	Rubber Tired Dozers	1	8.00	247	0.40
Demolition (Total)	Skid Steer Loaders	1	8.00	65	0.37
Demolition (Total)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading (Basecamp, Bldg D, Bldg E)	Air Compressors	1	8.00	78	0.48
Grading (Basecamp, Bldg D, Bldg E)	Bore/Drill Rigs	2	8.00	221	0.50
Grading (Basecamp, Bldg D, Bldg E)	Cranes	2	8.00	231	0.29
Grading (Basecamp, Bldg D, Bldg E)	Excavators	2	8.00	158	0.38
Grading (Basecamp, Bldg D, Bldg E)	Graders	0	8.00	187	0.41
Grading (Basecamp, Bldg D, Bldg E)	Rubber Tired Dozers	0	8.00	247	0.40
Grading (Basecamp, Bldg D, Bldg E)	Scrapers	0	8.00	367	0.48
Grading (Basecamp, Bldg D, Bldg E)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Mat Foundation (Basecamp, Bldg D, Bldg E)	Cement and Mortar Mixers	4	24.00	9	0.56
Mat Foundation (Basecamp, Bldg D, Bldg E)	Pumps	4	24.00	84	0.74
Mat Foundation (Basecamp, Bldg D, Bldg E)	Rubber Tired Dozers	0	8.00	247	0.40
Mat Foundation (Basecamp, Bldg D, Bldg E)	Tractors/Loaders/Backhoes	1	16.00	97	0.37
Mat Foundation (Basecamp, Bldg D, Bldg E)	Welders	2	8.00	46	0.45
Grading (Bldg A)	Air Compressors	1	8.00	78	0.48
Grading (Bldg A)	Bore/Drill Rigs	2	8.00	221	0.50
Grading (Bldg A)	Cranes	2	8.00	231	0.29
Grading (Bldg A)	Excavators	2	8.00	158	0.38

Grading (Bldg A)	Graders	0	8.00	187	0.41
Grading (Bldg A)	Rubber Tired Dozers	0	8.00	247	0.40
Grading (Bldg A)	Scrapers	0	8.00	367	0.48
Grading (Bldg A)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction (Basecamp, Bldg D, Bldg E)	Aerial Lifts	2	8.00	63	0.31
Building Construction (Basecamp, Bldg D, Bldg E)	Air Compressors	2	8.00	78	0.48
Building Construction (Basecamp, Bldg D, Bldg E)	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction (Basecamp, Bldg D, Bldg E)	Cranes	0	7.00	231	0.29
Building Construction (Basecamp, Bldg D, Bldg E)	Forklifts	2	8.00	89	0.20
Building Construction (Basecamp, Bldg D, Bldg E)	Generator Sets	0	8.00	84	0.74
Building Construction (Basecamp, Bldg D, Bldg E)	Pumps	1	8.00	84	0.74
Building Construction (Basecamp, Bldg D, Bldg E)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction (Basecamp, Bldg D, Bldg E)	Welders	2	8.00	46	0.45
Mat Foundation (Bldg A)	Cement and Mortar Mixers	4	24.00	9	0.56
Mat Foundation (Bldg A)	Pumps	4	24.00	84	0.74
Mat Foundation (Bldg A)	Rubber Tired Dozers	0	8.00	247	0.40
Mat Foundation (Bldg A)	Tractors/Loaders/Backhoes	1	16.00	97	0.37
Mat Foundation (Bldg A)	Welders	2	8.00	46	0.45
Grading (Bldg B)	Air Compressors	1	8.00	78	0.48
Grading (Bldg B)	Bore/Drill Rigs	2	8.00	221	0.50
Grading (Bldg B)	Cranes	2	8.00	231	0.29
Grading (Bldg B)	Excavators	2	8.00	158	0.38
Grading (Bldg B)	Graders	0	8.00	187	0.41
Grading (Bldg B)	Rubber Tired Dozers	0	8.00	247	0.40
Grading (Bldg B)	Scrapers	0	8.00	367	0.48
Grading (Bldg B)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction (Bldg A)	Aerial Lifts	2	8.00	63	0.31
Building Construction (Bldg A)	Air Compressors	2	8.00	78	0.48
Building Construction (Bldg A)	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction (Bldg A)	Cranes	0	7.00	231	0.29
Building Construction (Bldg A)	Forklifts	2	8.00	89	0.20
Building Construction (Bldg A)	Generator Sets	0	8.00	84	0.74
Building Construction (Bldg A)	Pumps	1	8.00	84	0.74
Building Construction (Bldg A)	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction (Bldg A)	Welders	2	8.00	46	0.45
Mat Foundation (Bldg B)	Cement and Mortar Mixers	4	24.00	9	0.56
Mat Foundation (Bldg B)	Pumps	4	24.00	84	0.74
Mat Foundation (Bldg B)	Rubber Tired Dozers	0	8.00	247	0.40
Mat Foundation (Bldg B)	Tractors/Loaders/Backhoes	1	16.00	97	0.37
Mat Foundation (Bldg B)	Welders	2	8.00	46	0.45
Building Construction (Bldg B)	Aerial Lifts	2	8.00	63	0.31
Building Construction (Bldg B)	Air Compressors	2	8.00	78	0.48
Building Construction (Bldg B)	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction (Bldg B)	Cranes	0	7.00	231	0.29
Building Construction (Bldg B)	Forklifts	2	8.00	89	0.20
Building Construction (Bldg B)	Generator Sets	0	8.00	84	0.74
Building Construction (Bldg B)	Pumps	1	8.00	84	0.74
Building Construction (Bldg B)	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction (Bldg B)	Welders	2	8.00	46	0.45
Architectural Coating	Air Compressors	0	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 (Total)	11	60.00	0.00	755.00	19.80	7.90	25.00	LD_Mix	HDT_Mix	HHDT
Grading (Basecamp, Bldg D, Bldg E)	9	60.00	0.00	30,702.00	19.80	7.90	25.00	LD_Mix	HDT_Mix	HHDT
Mat Foundation (Basecamp, Bldg D)	11	60.00	828.00	0.00	19.80	7.90	20.00	LD_Mix	HHDT	HHDT
Grading (Bldg A)	9	60.00	0.00	12,858.00	19.80	7.90	25.00	LD_Mix	HDT_Mix	HHDT
Building Construction (Basecamp, Bldg D)	12	400.00	60.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Mat Foundation (Bldg A)	11	60.00	1,028.00	0.00	19.80	7.90	20.00	LD_Mix	HHDT	HHDT
Grading (Bldg B)	9	60.00	0.00	1,658.00	19.80	7.90	25.00	LD_Mix	HDT_Mix	HHDT
Building Construction (Bldg A)	12	400.00	60.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Mat Foundation (Bldg B)	11	60.00	880.00	0.00	19.80	7.90	20.00	LD_Mix	HHDT	HHDT
Building Construction (Bldg R)	12	400.00	60.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition (Total) - 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
Off-Road																136.1311
Total																136.1311

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																35.1038
Vendor																0.0000
Worker																27.0503
Total																62.1541

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
Off-Road																	136.1310
Total																	136.1310

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																	35.1038
Vendor																	0.0000
Worker																	27.0503
Total																	62.1541

3.3 Grading (Basecamp, Bldg D, Bldg E) - 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
Off-Road																	220.3236
Total																	220.3236

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																	1,427.4905
Vendor																	0.0000
Worker																	38.9843
Total																	1,466.4748

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	
Off-Road																220.3234	
Total																220.3234	

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																1,427.4905	
Vendor																0.0000	
Worker																38.9843	
Total																1,466.4748	

3.4 Mat Foundation (Basecamp, Bldg D, Bldg E) - 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	
Off-Road																33.0845	
Total																33.0845	

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	
Vendor																119.6352	
Worker																3.1824	
Total																122.8176	

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
Off-Road																	33.0845
Total																	33.0845

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
Vendor																	119.6352
Worker																	3.1824
Total																	122.8176

3.5 Grading (Bldg A) - 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
Off-Road																	92.1762
Total																	92.1762

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																	597.8331
Vendor																	0.0000
Worker																	16.3098
Total																	614.1429

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
Off-Road																92.1761
Total																92.1761

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																597.8331
Vendor																0.0000
Worker																16.3098
Total																614.1429

3.6 Building Construction (Basecamp, Bldg D, Bldg E) - 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																117.1875
Total																117.1875

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
Vendor																69.3157
Worker																222.7675
Total																292.0831

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																	117.1874
Total																	117.1874

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
Vendor																	69.3157
Worker																	222.7675
Total																	292.0831

3.6 Building Construction (Basecamp, Bldg D, Bldg E) - 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																	362.7765
Total																	362.7765

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
Vendor																	212.6509
Worker																	665.2426
Total																	877.8936

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																	362.7761
Total																	362.7761

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
Vendor																	212.6509
Worker																	665.2426
Total																	877.8936

3.6 Building Construction (Basecamp, Bldg D, Bldg E) - 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																	8.3728
Total																	8.3728

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
Vendor																	4.7551
Worker																	14.7892
Total																	19.5442

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																	8.3728
Total																	8.3728

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
Vendor																	4.7551
Worker																	14.7892
Total																	19.5442

3.7 Mat Foundation (Bldg A) - 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
Off-Road																	12.4067
Total																	12.4067

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
Vendor																	55.6997
Worker																	1.1934
Total																	56.8931

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
Off-Road																	12.4067
Total																	12.4067

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
Vendor																	55.6997
Worker																	1.1934
Total																	56.8931

3.8 Grading (Bldg B) - 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
Off-Road																	13.4892
Total																	13.4892

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																	77.0888
Vendor																	0.0000
Worker																	2.3868
Total																	79.4756

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
Off-Road																	13.4892
Total																	13.4892

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																	77.0888
Vendor																	0.0000
Worker																	2.3868
Total																	79.4756

3.9 Building Construction (Bldg A) - 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																	43.5421
Total																	43.5421

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
Vendor																	26.4060
Worker																	84.8638
Total																	111.2698

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																	43.5421
Total																	43.5421

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
Vendor																	26.4060
Worker																	84.8638
Total																	111.2698

3.9 Building Construction (Bldg A) - 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																	353.8231
Total																	353.8231

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
Vendor																	212.6509
Worker																	665.2426
Total																	877.8936

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																	353.8227
Total																	353.8227

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
Vendor																	212.6509
Worker																	665.2426
Total																	877.8936

3.9 Building Construction (Bldg A) - 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																	296.6972
Total																	296.6972

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
Vendor																	172.7669
Worker																	537.3406
Total																	710.1075

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																	296.6969
Total																	296.6969

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
Vendor																	172.7669
Worker																	537.3406
Total																	710.1075

3.10 Mat Foundation (Bldg B) - 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
Off-Road																	4.1356
Total																	4.1356

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
Vendor																	15.8936
Worker																	0.3978
Total																	16.2914

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
Off-Road																	4.1356
Total																	4.1356

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
Vendor																	15.8936
Worker																	0.3978
Total																	16.2914

3.11 Building Construction (Bldg B) - 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																	31.2959
Total																	31.2959

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
Vendor																	18.9793
Worker																	60.9959
Total																	79.9751

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																	31.2959
Total																	31.2959

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
Vendor																	18.9793
Worker																	60.9959
Total																	79.9751

3.11 Building Construction (Bldg B) - 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																	353.8231
Total																	353.8231

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
Vendor																	212.6509
Worker																	665.2426
Total																	877.8936

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																	353.8227
Total																	353.8227

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
Vendor																	212.6509
Worker																	665.2426
Total																	877.8936

3.11 Building Construction (Bldg B) - 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																	148.3486
Total																	148.3486

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
Vendor																	86.3834
Worker																	268.6703
Total																	355.0537

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																	148.3484
Total																	148.3484

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
Vendor																	86.3834
Worker																	268.6703
Total																	355.0537

3.12 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																	0.0000
Off-Road																	0.0000
Total																	0.0000

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
Vendor																	0.0000
Worker																	0.0000
Total																	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				
Archit. Coating																	0.0000
Off-Road																	0.0000
Total																	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
Vendor																	0.0000
Worker																	0.0000
Total																	0.0000

3.12 Architectural Coating - 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																	0.0000
Off-Road																	0.0000
Total																	0.0000

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
Vendor																	0.0000
Worker																	0.0000
Total																	0.0000

Mitigated Construction On-Site

Mitigated Construction Off-Site

Sunset Gower Alternative 2 (Buildout) - Without TDM/MXD - Los Angeles-South Coast County, Annual

Sunset Gower Alternative 2 (Buildout) - Without TDM/MXD
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	819.37	1000sqft	18.81	819,369.00	0
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Industrial Park	279.49	1000sqft	0.00	279,491.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	1,244.00	Space	0.00	497,600.00	0
Enclosed Parking with Elevator	1,398.00	Space	0.00	559,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2028
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	570	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP RPS Value for 2028

Land Use - Site Specific

Vehicle Trips - Site Specific

Energy Use - Code Requirements

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Emergency Generators and Fire Pumps EF - BACT AQMD

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	3.92	0.41
tblLandUse	LandUseSquareFeet	819,370.00	819,369.00
tblLandUse	LandUseSquareFeet	279,490.00	279,491.00
tblLandUse	LotAcreage	6.42	0.00
tblLandUse	LotAcreage	11.20	0.00
tblLandUse	LotAcreage	12.58	0.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	570
tblStationaryGeneratorsPumpsEF	NOX_EF	4.56	0.50
tblStationaryGeneratorsPumpsEF	PM10_EF	0.15	0.02
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.15	0.02

tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	3.1000e-004
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	775.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.25
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	12.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	3.00
tblVehicleTrips	CC_TL	8.40	7.41
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	PB_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	0.00	8,165.00
tblVehicleTrips	ST_TR	0.00	132.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	0.00	8,165.00
tblVehicleTrips	SU_TR	0.00	132.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	0.00	8,165.00
tblVehicleTrips	WD_TR	0.00	132.00

2.0 Emissions Summary

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	4.5675	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004						0.0989	
Energy	0.0617	0.5607	0.4710	3.3600e-003		0.0426	0.0426		0.0426	0.0426						4,965.8215	
Mobile	1.6593	8.3708	20.3952	0.0877	8.3577	0.0619	8.4196	2.2395	0.0575	2.2969						8,151.1555	
Stationary	3.1600e-003	0.0112	0.0584	1.1000e-004		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004						10.6615	
Waste						0.0000	0.0000		0.0000	0.0000						557.5066	
Water						0.0000	0.0000		0.0000	0.0000						1,254.6951	
Total	6.2915	8.9432	20.9722	0.0912	8.3577	0.1051	8.4628	2.2395	0.1007	2.3402						14,939.9391	

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	4.5675	4.300e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004				0.0989		
Energy	0.0557	0.5068	0.4257	3.0400e-003		0.0385	0.0385		0.0385	0.0385				4,764.1980		
Mobile	1.6593	8.3708	20.3952	0.0877	8.3577	0.0619	8.4196	2.2395	0.0575	2.2969				8,151.1555		
Stationary	3.1600e-003	0.0112	0.0584	1.1000e-004		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004				10.6615		
Waste						0.0000	0.0000		0.0000	0.0000				131.5716		
Water						0.0000	0.0000		0.0000	0.0000				1,254.6951		
Total	6.2856	8.8893	20.9269	0.0908	8.3577	0.1010	8.4587	2.2395	0.0966	2.3361				14,312.3806		
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.09	0.60	0.22	0.35	0.00	3.91	0.05	0.00	4.08	0.18	0.00	0.00	0.00	0.00	4.20	

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	1.6593	8.3708	20.3952	0.0877	8.3577	0.0619	8.4196	2.2395	0.0575	2.2969						8,151.1555
Unmitigated	1.6593	8.3708	20.3952	0.0877	8.3577	0.0619	8.4196	2.2395	0.0575	2.2969						8,151.1555

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated			Mitigated		
	Weekday	Saturday	Sunday	Annual VMT			Annual VMT		
Enclosed Parking with Elevator	0.00	0.00	0.00						
Enclosed Parking with Elevator	0.00	0.00	0.00						
General Office Building	0.00	0.00	0.00						
Industrial Park	0.00	0.00	0.00						
User Defined Commercial	8,165.00	8,165.00	8165.00		22,022.965			22,022.965	
User Defined Industrial	132.00	132.00	132.00		4,805			4,805	
Total	8,297.00	8,297.00	8,297.00		22,027,769			22,027,769	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
User Defined Commercial	16.60	7.41	6.90	0.00	100.00	0.00	100	0	0
User Defined Industrial	16.60	0.00	6.90	0.00	100.00	0.00	0	0	100

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
General Office Building	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

Industrial Park	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
User Defined Commercial	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
User Defined Industrial	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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						4,209.2406
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000						4,351.7583
NaturalGas Mitigated	0.0557	0.5068	0.4257	3.0400e-003			0.0385	0.0385		0.0385	0.0385						554.9574
NaturalGas Unmitigated	0.0617	0.5607	0.4710	3.3600e-003			0.0426	0.0426		0.0426	0.0426						614.0632

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000	
General Office Building	8.52963e+006	0.0460	0.4181	0.3512	2.5100e-003		0.0318	0.0318		0.0318	0.0318						457.8785	
Industrial Park	2.9095e+006	0.0157	0.1426	0.1198	8.6000e-004		0.0108	0.0108		0.0108	0.0108						156.1847	
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000	
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000	
Total		0.0617	0.5607	0.4710	3.3700e-003		0.0426	0.0426		0.0426	0.0426						614.0632	

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000	
General Office Building	7.70862e+006	0.0416	0.3779	0.3174	2.2700e-003		0.0287	0.0287		0.0287	0.0287						413.8060	
Industrial Park	2.62945e+006	0.0142	0.1289	0.1083	7.7000e-004		9.8000e-003	9.8000e-003		9.8000e-003	9.8000e-003						141.1514	

User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000					0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000					0.0000
Total		0.0558	0.5068	0.4257	3.0400e-003		0.0385	0.0385		0.0385	0.0385					554.9574

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.16936e+006				303.6682
Enclosed Parking with Elevator	1.31412e+006				341.2606
General Office Building	1.06436e+007				2,764.0110
Industrial Park	3.63059e+006				942.8185
User Defined Commercial	0				0.0000
User Defined Industrial	0				0.0000
Total					4,351.7583

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.14896e+006				298.3702
Enclosed Parking with Elevator	1.29119e+006				335.3067
General Office Building	1.02667e+007				2,666.1323
Industrial Park	3.50202e+006				909.4315
User Defined Commercial	0				0.0000
User Defined Industrial	0				0.0000
Total					4,209.2406

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	4.5675	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004					0.0989
Unmitigated	4.5675	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004					0.0989

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	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	0.5240						0.0000	0.0000		0.0000	0.0000					0.0000
Consumer Products	4.0390						0.0000	0.0000		0.0000	0.0000					0.0000
Landscaping	4.3900e-003	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004						0.0989
Total	4.5675	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004						0.0989

Mitigated

SubCategory	ROG	NOx	CO	SO2	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	0.5240						0.0000	0.0000		0.0000	0.0000					0.0000
Consumer Products	4.0390						0.0000	0.0000		0.0000	0.0000					0.0000
Landscaping	4.3900e-003	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004						0.0989
Total	4.5675	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004						0.0989

7.0 Water Detail

7.1 Mitigation Measures Water

Category	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				1,254.6951
Unmitigated				1,254.6951

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0				0.0000
General Office Building	145.63 / 89.2569				948.1742
Industrial Park	64.6321 / 0				306.5210
User Defined Commercial	0 / 0				0.0000
User Defined Industrial	0 / 0				0.0000
Total					1,254.695
					1

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0				0.0000
General Office Building	145.63 / 89.2569				948.1742
Industrial Park	64.6321 / 0				306.5210
User Defined Commercial	0 / 0				0.0000
User Defined Industrial	0 / 0				0.0000
Total					1,254.695
					1

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				131.5716
Unmitigated				557.5066

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e

Land Use	tons	MT/yr		
Enclosed Parking with Elevator	0			0.0000
General Office Building	762.01			383.2160
Industrial Park	346.57			174.2906
User Defined Commercial	0			0.0000
User Defined Industrial	0			0.0000
Total				557.5066

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0				0.0000
General Office Building	179.834				90.4390
Industrial Park	81.7905				41.1326
User Defined Commercial	0				0.0000
User Defined Industrial	0				0.0000
Total					131.5716

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	3	0.25	12	775	0.73	Diesel

Boilers

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

Equipment Type	Number
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10.1 Stationary Sources

Unmitigated/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
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel	3.1600e-003	0.0112	0.0584	1.1000e-004	4.5000e-004	4.5000e-004	4.5000e-004	4.5000e-004	4.5000e-004	4.5000e-004						10.6615

Total	3.1600e-003	0.0112	0.0584	1.1000e-004		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004						10.6615
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11.0 Vegetation

Sunset Gower Alternative 2 (Buildout) - Without TDM - Los Angeles-South Coast County, Annual

Sunset Gower Alternative 2 (Buildout) - Without TDM
Los Angeles-South Coast County, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	819.37	1000sqft	18.81	819,369.00	0
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Industrial Park	279.49	1000sqft	0.00	279,491.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	1,244.00	Space	0.00	497,600.00	0
Enclosed Parking with Elevator	1,398.00	Space	0.00	559,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2028
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	570	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP RPS Value for 2028

Land Use - Site Specific

Vehicle Trips - Site Specific

Energy Use - Code Requirements

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Emergency Generators and Fire Pumps EF - BACT AQMD

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	3.92	0.41
tblLandUse	LandUseSquareFeet	819,370.00	819,369.00
tblLandUse	LandUseSquareFeet	279,490.00	279,491.00
tblLandUse	LotAcreage	6.42	0.00
tblLandUse	LotAcreage	11.20	0.00
tblLandUse	LotAcreage	12.58	0.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	570
tblStationaryGeneratorsPumpsEF	NOX_EF	4.56	0.50
tblStationaryGeneratorsPumpsEF	PM10_EF	0.15	0.02
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.15	0.02

tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	3.1000e-004
tblVehicleTrips	CC_TL	8.40	7.47
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	PB_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	0.00	6,005.00
tblVehicleTrips	ST_TR	0.00	132.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	0.00	6,005.00
tblVehicleTrips	SU_TR	0.00	132.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	0.00	6,005.00
tblVehicleTrips	WD_TR	0.00	132.00

2.0 Emissions Summary

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	4.5675	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004	1.7000e-004	1.7000e-004							0.0989
Energy	0.0617	0.5607	0.4710	3.3600e-003		0.0426	0.0426		0.0426	0.0426						4,965.8215
Mobile	1.2286	6.1982	15.1153	0.0650	6.1970	0.0459	6.2428	1.6605	0.0426	1.7031						6,042.7299
Stationary	3.1600e-003	0.0112	0.0584	1.1000e-004		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004						10.6615
Waste						0.0000	0.0000		0.0000	0.0000						557.5066
Water						0.0000	0.0000		0.0000	0.0000						1,254.6951
Total	5.8609	6.7706	15.6924	0.0685	6.1970	0.0891	6.2861	1.6605	0.0858	1.7463						12,831.5135

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	4.5675	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004	1.7000e-004	1.7000e-004							0.0989
Energy	0.0557	0.5068	0.4257	3.0400e-003		0.0385	0.0385		0.0385	0.0385						4,375.1795
Mobile	1.2286	6.1982	15.1153	0.0650	6.1970	0.0459	6.2428	1.6605	0.0426	1.7031						6,042.7299

Stationary	3.1600e-003	0.0112	0.0584	1.1000e-004		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004				10.6615		
Waste						0.0000	0.0000		0.0000	0.0000				131.5716		
Water						0.0000	0.0000		0.0000	0.0000				1,003.756		
Total	5.8549	6.7166	15.6470	0.0682	6.1970	0.0850	6.2820	1.6605	0.0817	1.7422				11,563.99		
														74		
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.10	0.80	0.29	0.47	0.00	4.61	0.07	0.00	4.79	0.24	0.00	0.00	0.00	0.00	0.00	9.88

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	1.2286	6.1982	15.1153	0.0650	6.1970	0.0459	6.2428	1.6605	0.0426	1.7031						6,042.729
Unmitigated	1.2286	6.1982	15.1153	0.0650	6.1970	0.0459	6.2428	1.6605	0.0426	1.7031						6,042.729
																9

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated			Mitigated		
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00						
Enclosed Parking with Elevator	0.00	0.00	0.00						
General Office Building	0.00	0.00	0.00						
Industrial Park	0.00	0.00	0.00						
User Defined Commercial	6,005.00	6,005.00	6005.00	16,328.075	16,328.075	16,328.075			
User Defined Industrial	132.00	132.00	132.00	4,805	4,805	4,805			
Total	6,137.00	6,137.00	6,137.00	16,332,880	16,332,880	16,332,880			

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
User Defined Commercial	16.60	7.47	6.90	0.00	100.00	0.00	100	0	0
User Defined Industrial	16.60	0.00	6.90	0.00	100.00	0.00	0	0	100

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
General Office Building	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Industrial Park	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
User Defined Commercial	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
User Defined Industrial	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3,820.222
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000					4,351.758
NaturalGas Mitigated	0.0557	0.5068	0.4257	3.0400e-003			0.0385	0.0385		0.0385	0.0385					554.9574
NaturalGas Unmitigated	0.0617	0.5607	0.4710	3.3600e-003			0.0426	0.0426		0.0426	0.0426					614.0632

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000					0.0000	
General Office Building	8.52963e+006	0.0460	0.4181	0.3512	2.5100e-003		0.0318	0.0318		0.0318	0.0318					457.8785	
Industrial Park	2.9095e+006	0.0157	0.1426	0.1198	8.6000e-004		0.0108	0.0108		0.0108	0.0108					156.1847	
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000					0.0000	
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000					0.0000	
Total		0.0617	0.5607	0.4710	3.3700e-003		0.0426	0.0426		0.0426	0.0426					614.0632	

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000					0.0000	
General Office Building	7.70862e+006	0.0416	0.3779	0.3174	2.2700e-003		0.0287	0.0287		0.0287	0.0287					413.8060	
Industrial Park	2.62945e+006	0.0142	0.1289	0.1083	7.7000e-004		9.8000e-003	9.8000e-003		9.8000e-003	9.8000e-003					141.1514	
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000					0.0000	
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000					0.0000	

Total		0.0558	0.5068	0.4257	3.0400e-003		0.0385	0.0385		0.0385	0.0385						554.9574
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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.16936e+006				303.6682
Enclosed Parking with Elevator	1.31412e+006				341.2606
General Office Building	1.06436e+007				2,764.011
Industrial Park	3.63059e+006				942.8185
User Defined Commercial	0				0.0000
User Defined Industrial	0				0.0000
Total					4,351.758
					3

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.04654e+006				271.7741
Enclosed Parking with Elevator	931258				241.8362
General Office Building	9.49444e+006				2,465.587
Industrial Park	3.2386e+006				841.0245
User Defined Commercial	0				0.0000
User Defined Industrial	0				0.0000
Total					3,820.222
					1

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	4.5675	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004						0.0989
Unmitigated	4.5675	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004						0.0989

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	0.5240						0.0000	0.0000		0.0000	0.0000					0.0000
Consumer Products	4.0390						0.0000	0.0000		0.0000	0.0000					0.0000
Landscaping	4.3900e-003	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004						0.0989
Total	4.5675	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004						0.0989

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	0.5240						0.0000	0.0000		0.0000	0.0000					0.0000
Consumer Products	4.0390						0.0000	0.0000		0.0000	0.0000					0.0000
Landscaping	4.3900e-003	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004						0.0989
Total	4.5675	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004						0.0989

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				1,003.7561
Unmitigated				1,254.6951

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e

Land Use	Mgal	MT/yr		
Enclosed Parking with Elevator	0 / 0			0.0000
General Office Building	145.63 / 89.2569			948.1742
Industrial Park	64.6321 / 0			306.5210
User Defined Commercial	0 / 0			0.0000
User Defined Industrial	0 / 0			0.0000
Total				1,254.695 1

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0				0.0000
General Office Building	116.504 / 71.4055				758.5393
Industrial Park	51.7056 / 0				245.2168
User Defined Commercial	0 / 0				0.0000
User Defined Industrial	0 / 0				0.0000
Total					1,003.756 1

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				131.5716
Unmitigated				557.5066

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			

Enclosed Parking with Elevator	0		0.0000
General Office Building	762.01		383.2160
Industrial Park	346.57		174.2906
User Defined Commercial	0		0.0000
User Defined Industrial	0		0.0000
Total			557.5066

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	Mt/yr			
Enclosed Parking with Elevator	0				0.0000
General Office Building	179.834				90.4390
Industrial Park	81.7905				41.1326
User Defined Commercial	0				0.0000
User Defined Industrial	0				0.0000
Total					131.5716

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	3	0.25	12	775	0.73	Diesel

Boilers

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

Equipment Type	Number
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10.1 Stationary Sources

Unmitigated/Mitigated

11.0 Vegetation
