

# Appendix B

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Air Quality and Greenhouse Gas Emissions Modeling

**9600 Wilshire Boulevard Specific Plan EIR  
General Assumptions**

*CalEEMod Inputs that are not modeling defaults:*

<b>Project Location</b>	County	<b>Title:</b> 9600 Wilshire Boulevard Specific Plan EIR
	Los Angeles	<b>Date:</b> 6/10/2023
<b>Climate Zone</b>	16	
<b>Urbanization</b>	Urban	
<b>Operational Year (Buildout)</b>	2027	
<b>Construction Year</b>	2023	
<b>Utility Company</b>	SCE	

**Conceptual Plan**

<b>Land Use</b>	<b>Subtype</b>	<b>Unit</b>	<b>Dwelling Units</b>	<b>Total SF</b>	<b>Spaces</b>	<b>Landscape</b>	<b>Acres</b>
Residential	Mid-Rise Apt	Dwelling	68	221,596	n/a	0	3.2
Recreational	Hotel	Room	40	47,412	n/a	0	0
Recreational	Quality Restaurant	1000 sf	n/a	14,703	n/a	0	0
Recreational	Health Club	1000 sf	n/a	17,215	n/a	0	0
Retail	Regional Shopping Center	1000 sf	n/a	39,579	n/a	0	0
Commercial	General Office Building	1000 sf	n/a	144,903	n/a	0	0
	Enclosed Parking with Elevator	Spaces	n/a	n/a	937	0	0
Parking	parking lot	spaces	n/a	n/a	12	0	0

**9600 Wilshire Boulevard Specific Plan EIR  
General Assumptions**

**Scenario 2**

Land Use	Subtype	Unit	Dwelling Units	Total SF	Spaces	Landscape	Acres
Residential	Mid-Rise Apt	Dwelling	70	n/a			
Commercial	General Office Building	1000 sf	n/a	115,000			
Recreational	Hotel	Room	50				
Recreational	Quality Restaurant	1000 sf		44,000			
Recreational	Health Club	1000 sf		39,000			
Retail	Regional Shopping	1000 sf		7500			
	Enclosed Parking with						
Parking	Elevator	Spaces	n/a	n/a	937	0	0
Parking	parking lot	spaces	n/a	n/a	12	0	0

**Scenario 3**

Land Use	Subtype	Unit	Dwelling Units	Total SF	Spaces	Landscape	Acres
Recreational	Quality Restaturant	1000 sf		84,000			
Recreational	Health Club	1000 sf		19,000			
Retail	Regional Shopping	1000 sf		15,000			
Residential	Mid-Rise Apt	Dwelling	145	n/a			
Commercial	General Office Building	1000 sf	n/a	40,000			
	Enclosed Parking with						
Parking	Elevator	Spaces	n/a	n/a	937	0	0
Parking	parking lot	spaces	n/a	n/a	12	0	0

**9600 Wilshire Boulevard Specific Plan EIR  
General Assumptions**

<b>PD/Data Request Conceptual Plan</b>	<b>Sf</b>	<b>Room</b>	<b>Spaces</b>
<b>Parcel A</b>			
Office	58,796.00		
Restaurant	11,657		
Circulation	3,161		
<b>Parcel B</b>			
Restaurant	3,046		
Office	67,108		
Lobby	4,034		
Circulation	2,553		
<b>Saks Rehabilitation</b>			
Retail	28,998		
Boutique Hotel	41,356	40	
Social Club	14,965		
Spa	17,215		
Circulation	6,056		
<b>East Residential</b>			
Residential	101,303	30	
Lobby/Amenity	3,262		
Circulation	6,299		
Small shop/boutique retail	5,041		
<b>West Residential</b>			
Residential	101,030	38	
Lobby/Amenity	3,262		
Circulation	6,440		
Small shop/boutique retail	5,540		
Parking Garage	n/a	n/a	937
EV			95
Surface parking			12
<b>Scenario 2</b>			
Boutique Hotel	50		
Social Club and Spa	39,000		
Residential	70		
Retail		7500	
Quality Restautarnt		44000	
Office		115000	

**9600 Wilshire Boulevard Specific Plan EIR  
General Assumptions**

Commercial at Wilshire Blvd District	166,000	
Residential		70
small shop/boutique retail	15,000	
Commercial Total	415,500	

9600 Wilshire Boulevard Specific Plan EIR  
General Assumptions

<b>Scenario 3</b>	Units	SF
Quality Restaruante		84000
Residential	145	
Spa		19000
Office		40000
Retail		15000
Commercial at WBD	16,000	
Residential	150,000	75
Total Commercial	265,000	
Total Residential		145

**9600 Wilshire Boulevard Specific Plan EIR  
Construction Assumptions**

	<b>cyd</b>
<b><i>Dust from Material Movement</i></b>	
Soil Excavation	198,950
About 120 truck trips (240 one way trips) per day for six months	
Material exported 65 miles from project site	
<b><i>Demolition</i></b>	<b>Sf</b>
	<b>See Construction</b>
<b>Total</b>	<b>Management Plan</b>
<i>Debris Removed</i>	<b>CYD</b>
Total	2,930
<b>Haul Capacity (cy)</b>	<b>14</b>
	209.2857143
Total trips	
Total one-way trips	418.5714286
<b><i>Onroad Fugitive Dust</i></b>	Uses CalEEMod Defaults
<b><i>Architectural Coatings</i></b>	SCAQMD Rule 1113

Mobile Sources

Vehicle Trips:

Conceptual Plan	Mid-Rise Apt	Hotel	Quality Restaurant	Health Club	Regional Shopping Center	General Office Building	Total
	4.54						
<i>Trip Gen Rates</i>		7.99	92.39		37.01	10.84	
<i>Actual</i>	4.544117647	8	92.36210297		37.01457844	12.86377784	
<i>ADT</i>	309	320	1358		1465	1864	5316
<i>%</i>	0.058126411	0.060195636	0.255455229	0	0.275583145	0.350639579	
<i>Adjust after reduction</i>	44.05981941	45.62829195	193.635064	0	208.8920241	265.7848006	
<i>Total ADT Adj</i>	264.9401806	274.3717081	1164.364936		1256.107976	1598.215199	4558
					1336.107976	1599	
<i>New Trip Gen</i>	3.896179126	6.859292701	79.19233735		33.75800237	11.03496822	

  

Scenario 2	Mid-Rise Apt	Hotel	Quality Restaurant	Health Club	Regional Shopping Center	General Office Building	Total
	318						
<i>ADT</i>		400	7761		556	1853	10888
<i>%</i>	0.029206466	0.036737693	0.712803086	0	0.051065393	0.170187362	
<i>Adjust after reduction</i>	45.62049963	57.38427627	1113.39842	45.6205	79.76414401	265.8326598	
<i>Total ADT Adj</i>	<b>272.3795004</b>	<b>342.6157237</b>	<b>6647.60158</b>		<b>476.235856</b>	<b>1587.16734</b>	<b>9326</b>
					556.235856	1599	
<i>New Trip Gen</i>	3.89113572	6.852314475	151.0818541		74.1647808	13.80145513	



**Scenario 3**

	Mid-Rise Apt	Hotel	Quality Restaurant	Health Club	Regional Shopping Center	General Office Building	Total
<i>ADT</i>	659		7761		556	729	9705
<i>%</i>	0.067903143	0	0.799690881	0	0.057290057	0.07511592	
<i>Adjust after reduction</i>	108.5771252	0	1278.705719	108.5771	91.60680062	120.1103555	
<i>Total ADT Adj</i>	<b>551</b>	<b>0</b>	<b>6482.294281</b>		<b>464.3931994</b>	<b>608.8896445</b>	<b>8106.577125</b>
<i>New Trip Gen</i>	3.8		77.17017002		524.3931994	1599	
					34.95954663	15.22224111	

*\*40 operational delievery trucks per day*

Existing	SF	Trip Gen Rate
	1092	145,039
		7.529009439

Uses CalEEMod Defaults

**Vehicle Emissions:**

**Water:** Uses CalEEMod Defaults

**Wastewater:**

Septic          Aerobic          Lagoons

**Solid Waste**

Uses CalEEMod Defaults

**Off-Road Equipment**

<b><u>Stationary Sources</u></b>	Size (MW)	HP
West & East Residential (2)	1.25	1676.275
Parcel A	1.25	1676.275
Parcel B	1.5	2011.53
Saks	2	2682.04
Parking (2)	1.5	2011.53

**Vegetation**

Modeler: Aaron Rojas  
Version: 7/12/2023

**Fleet Mix Conceptual Plan**

	HHD	LDA	LDT1	LDT2	LHD1	LHD2	MCY	MDV	MH	MHD	OBUS
<b>Regional Shopping</b>	0.894506928	49.32835102	4.232946783	24.0234971	2.696694	0.692536	2.200901	14.34	0.278102	1.101103	0.084528
Fleet Mix after LHD and MDV removal	1.087271916	59.95854149	5.145140879	29.20052704			2.675192		0.338033	1.338389	0.102744
ADT Breakdown	16.07864565	753.144022	64.62852496	366.7901492	0	0	33.60329	0	4.24606	16.81161	1.290573
ADT Adjusted	56.07864565	753.144022	64.62852496	366.7901492			33.60329		4.24606	56.81161	1.290573
New Fleet Mix decimal	0.041895717	0.562665319	0.048283235	0.274024742	0	0	0.025105	0	0.003172	0.042443	0.000964
<b>Revised Fleet Mix Input</b>	<b>4.189571735</b>	<b>56.26653194</b>	<b>4.828323478</b>	<b>27.40247422</b>	<b>0</b>	<b>0</b>	<b>2.510464</b>	<b>0</b>	<b>0.317218</b>	<b>4.244331</b>	<b>0.096417</b>

<b>Fleet Mix</b>	<b>HHD</b>	<b>LDA</b>	<b>LDT1</b>	<b>LDT2</b>	<b>LHD1</b>	<b>LHD2</b>	<b>MCY</b>	<b>MDV</b>	<b>MH</b>	<b>MHD</b>	<b>OBUS</b>
<b>Other Land Uses</b>	0.894506928	49.32835102	4.232946783	24.0234971	2.696694	0.692536	2.200901	14.34	0.278102	1.101103	0.084528
<b>Fleet Mix after LHD and MDV removal</b>	0	<b>61.44908786</b>	<b>5.27304711</b>	<b>29.92644096</b>	<b>0</b>	<b>0</b>	<b>2.741696</b>	<b>0</b>	<b>0.346436</b>	<b>0</b>	<b>0.105298</b>

<b>Fleet Mix w Res Conversion</b>	<b>HHD</b>	<b>LDA</b>	<b>LDT1</b>	<b>LDT2</b>	<b>LHD1</b>	<b>LHD2</b>	<b>MCY</b>	<b>MDV</b>	<b>MH</b>	<b>MHD</b>	<b>OBUS</b>
<b>Regional Shopping</b>	0.894506928	49.32835102	4.232946783	24.0234971	2.696694	0.692536	2.200901	14.34	0.278102	1.101103	0.084528
Fleet Mix after LHD and MDV removal	1.087271916	59.95854149	5.145140879	29.20052704			2.675192		0.338033	1.338389	0.102744
ADT Breakdown	16.07864565	753.144022	64.62852496	366.7901492	0	0	33.60329	0	4.24606	16.81161	1.290573
ADT Adjusted	46.07864565	753.144022	64.62852496	366.7901492			33.60329		4.24606	46.81161	1.290573
New Fleet Mix decimal	0.034947001	0.571200061	0.049015615	0.278181263	0	0	0.025485	0	0.00322	0.035503	0.000979
<b>Revised Fleet Mix Input</b>	<b>3.49470014</b>	<b>57.12000606</b>	<b>4.9015615</b>	<b>27.81812633</b>	<b>0</b>	<b>0</b>	<b>2.548544</b>	<b>0</b>	<b>0.32203</b>	<b>3.55029</b>	<b>0.09788</b>

SBUS	UBUS	Total	Non projet vehicle class
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0.064909	0.061921	100	82.27077
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0.078896	0.075265	100	
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0.991023	0.94541	1258.529	222.6983
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0.991023	0.94541	1338.529	
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0.00074	0.000706	1	
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<b>0.074038</b>	<b>0.07063</b>	<b>100</b>	
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SBUS	UBUS	Total	Non projet vehicle class
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0.064909	0.061921	100	80.27516
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<b>0.080858</b>	<b>0.077136</b>	<b>100</b>	
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SBUS	UBUS	Total	Non projet vehicle class
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0.064909	0.061921	100	82.27077
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0.078896	0.075265	100	
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0.991023	0.94541	1258.529	222.6983
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0.991023	0.94541	1318.529	
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0.000752	0.000717	1	
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<b>0.075161</b>	<b>0.071702</b>	<b>100</b>	
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## CalEEMod Outputs

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# 9600 Wilshire Boulevard Existing Detailed Report

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# 1. Basic Project Information

## 1.1. Basic Project Information

Data Field	Value
Project Name	9600 Wilshire Boulevard Existing
Construction Start Date	9/1/2023
Operational Year	2023
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	19.6
Location	9570 Wilshire Blvd, Beverly Hills, CA 90212, USA
County	Los Angeles-South Coast
City	Beverly Hills
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4314
EDFZ	16
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.18

## 1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
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Regional Shopping Center	145	1000sqft	3.20	145,039	0.00	0.00	—	—
Parking Lot	247	Space	0.00	0.00	0.00	—	—	—
Enclosed Parking with Elevator	309	Space	0.00	123,600	0.00	—	—	—

### 1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

## 2. Emissions Summary

### 2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.03	39.8	36.9	0.05	1.81	19.9	21.7	1.66	10.2	11.8	—	5,548	5,548	0.23	0.15	4.66	5,570
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	74.9	39.8	36.7	0.05	1.81	19.9	21.7	1.66	10.2	11.8	—	5,535	5,535	0.23	0.15	0.13	5,556
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.43	6.47	8.75	0.01	0.27	0.56	0.75	0.25	0.25	0.42	—	1,949	1,949	0.08	0.07	1.02	1,974
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.81	1.18	1.60	< 0.005	0.05	0.10	0.14	0.04	0.04	0.08	—	323	323	0.01	0.01	0.17	327

### 2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	4.03	39.8	36.9	0.05	1.81	19.9	21.7	1.66	10.2	11.8	—	5,548	5,548	0.23	0.05	1.07	5,570
2024	1.43	12.3	17.1	0.03	0.51	0.81	1.32	0.47	0.20	0.67	—	3,820	3,820	0.16	0.15	4.66	3,872
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	4.03	39.8	36.7	0.05	1.81	19.9	21.7	1.66	10.2	11.8	—	5,535	5,535	0.23	0.15	0.13	5,556
2024	74.9	12.4	16.5	0.03	0.51	0.81	1.32	0.47	0.20	0.67	—	3,786	3,786	0.16	0.15	0.12	3,834
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.48	4.36	4.74	0.01	0.19	0.56	0.75	0.18	0.25	0.42	—	890	890	0.04	0.02	0.34	899
2024	4.43	6.47	8.75	0.01	0.27	0.41	0.68	0.25	0.10	0.35	—	1,949	1,949	0.08	0.07	1.02	1,974
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.09	0.80	0.86	< 0.005	0.03	0.10	0.14	0.03	0.04	0.08	—	147	147	0.01	< 0.005	0.06	149
2024	0.81	1.18	1.60	< 0.005	0.05	0.07	0.12	0.04	0.02	0.06	—	323	323	0.01	0.01	0.17	327

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.04	2.20	31.6	0.04	0.06	2.83	2.89	0.05	0.72	0.77	103	5,193	5,296	10.7	0.25	14.8	5,654
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.06	2.29	19.5	0.03	0.04	2.83	2.87	0.04	0.72	0.76	103	5,004	5,106	10.8	0.26	1.06	5,454

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.31	2.27	26.9	0.03	0.05	2.59	2.64	0.05	0.66	0.71	103	4,838	4,940	10.8	0.25	6.34	5,291
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.52	0.41	4.90	0.01	0.01	0.47	0.48	0.01	0.12	0.13	17.0	801	818	1.78	0.04	1.05	876

## 2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.64	1.91	19.7	0.03	0.03	2.83	2.86	0.02	0.72	0.74	—	3,467	3,467	0.28	0.18	14.1	3,543
Area	5.39	0.10	11.7	< 0.005	0.02	—	0.02	0.02	—	0.02	—	48.0	48.0	< 0.005	< 0.005	—	48.2
Energy	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	1,608	1,608	0.15	0.02	—	1,617
Water	—	—	—	—	—	—	—	—	—	—	20.6	69.9	90.4	2.12	0.05	—	159
Waste	—	—	—	—	—	—	—	—	—	—	82.1	0.00	82.1	8.20	0.00	—	287
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.70	0.70
Total	9.04	2.20	31.6	0.04	0.06	2.83	2.89	0.05	0.72	0.77	103	5,193	5,296	10.7	0.25	14.8	5,654
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.57	2.09	19.3	0.03	0.03	2.83	2.86	0.02	0.72	0.74	—	3,326	3,326	0.30	0.19	0.37	3,391
Area	3.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	1,608	1,608	0.15	0.02	—	1,617
Water	—	—	—	—	—	—	—	—	—	—	20.6	69.9	90.4	2.12	0.05	—	159
Waste	—	—	—	—	—	—	—	—	—	—	82.1	0.00	82.1	8.20	0.00	—	287
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.70	0.70

Total	7.06	2.29	19.5	0.03	0.04	2.83	2.87	0.04	0.72	0.76	103	5,004	5,106	10.8	0.26	1.06	5,454
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.52	2.01	18.7	0.03	0.02	2.59	2.61	0.02	0.66	0.68	—	3,127	3,127	0.29	0.18	5.64	3,194
Area	4.78	0.07	8.00	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.9	32.9	< 0.005	< 0.005	—	33.0
Energy	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	1,608	1,608	0.15	0.02	—	1,617
Water	—	—	—	—	—	—	—	—	—	—	20.6	69.9	90.4	2.12	0.05	—	159
Waste	—	—	—	—	—	—	—	—	—	—	82.1	0.00	82.1	8.20	0.00	—	287
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.70	0.70
Total	8.31	2.27	26.9	0.03	0.05	2.59	2.64	0.05	0.66	0.71	103	4,838	4,940	10.8	0.25	6.34	5,291
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.64	0.37	3.41	0.01	< 0.005	0.47	0.48	< 0.005	0.12	0.12	—	518	518	0.05	0.03	0.93	529
Area	0.87	0.01	1.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.45	5.45	< 0.005	< 0.005	—	5.47
Energy	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	266	266	0.02	< 0.005	—	268
Water	—	—	—	—	—	—	—	—	—	—	3.41	11.6	15.0	0.35	0.01	—	26.3
Waste	—	—	—	—	—	—	—	—	—	—	13.6	0.00	13.6	1.36	0.00	—	47.5
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.12	0.12
Total	1.52	0.41	4.90	0.01	0.01	0.47	0.48	0.01	0.12	0.13	17.0	801	818	1.78	0.04	1.05	876

### 3. Construction Emissions Details

#### 3.1. Demolition (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



Off-Road Equipment	2.84	27.3	23.5	0.03	1.20	—	1.20	1.10	—	1.10	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	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	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.50	1.29	< 0.005	0.07	—	0.07	0.06	—	0.06	—	188	188	0.01	< 0.005	—	188
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	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	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.27	0.23	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.1	31.1	< 0.005	< 0.005	—	31.2
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	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	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.08	1.23	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	217	217	0.01	0.01	0.92	—
Vendor	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	—
Hauling	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	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.4	11.4	< 0.005	< 0.005	0.02	—
Vendor	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	—
Hauling	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	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.89	1.89	< 0.005	< 0.005	< 0.005	—
Vendor	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	—
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	—

### 3.3. Site Preparation (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.95	39.7	35.5	0.05	1.81	—	1.81	1.66	—	1.66	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	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	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	3.95	39.7	35.5	0.05	1.81	—	1.81	1.66	—	1.66	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	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	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.54	0.49	< 0.005	0.02	—	0.02	0.02	—	0.02	—	72.5	72.5	< 0.005	< 0.005	—	72.8
Dust From Material Movement	—	—	—	—	—	0.27	0.27	—	0.14	0.14	—	—	—	—	—	—	—
Onsite truck	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	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.0	12.0	< 0.005	< 0.005	—	12.1
Dust From Material Movement	—	—	—	—	—	0.05	0.05	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	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	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.09	1.43	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	253	253	0.01	0.01	1.07	—
Vendor	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	—
Hauling	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	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.11	1.21	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	239	239	0.01	0.01	0.03	—
Vendor	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	—
Hauling	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	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.33	3.33	< 0.005	< 0.005	0.01	—
Vendor	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	—
Hauling	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	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.55	0.55	< 0.005	< 0.005	< 0.005	—
Vendor	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	—
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	—

### 3.5. Grading (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.04	20.0	19.7	0.03	0.94	—	0.94	0.87	—	0.87	—	2,958	2,958	0.12	0.02	—	2,968

Dust From Material Movement	—	—	—	—	—	7.08	7.08	—	3.42	3.42	—	—	—	—	—	—	—
Onsite truck	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	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.44	0.43	< 0.005	0.02	—	0.02	0.02	—	0.02	—	64.8	64.8	< 0.005	< 0.005	—	65.1
Dust From Material Movement	—	—	—	—	—	0.16	0.16	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	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	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.7	10.7	< 0.005	< 0.005	—	10.8
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.09	1.04	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	205	205	0.01	0.01	0.02	—
Vendor	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	—
Hauling	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	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.56	4.56	< 0.005	< 0.005	0.01	—
Vendor	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	—
Hauling	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	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.76	0.76	< 0.005	< 0.005	< 0.005	—
Vendor	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	—
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	—

### 3.7. Building Construction (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.26	11.8	13.2	0.02	0.55	—	0.55	0.51	—	0.51	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	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	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	1.69	1.88	< 0.005	0.08	—	0.08	0.07	—	0.07	—	342	342	0.01	< 0.005	—	344
Onsite truck	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	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.03	0.31	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	56.7	56.7	< 0.005	< 0.005	—	56.9
Onsite truck	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	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.28	3.22	0.00	0.00	0.61	0.61	0.00	0.14	0.14	—	635	635	0.03	0.02	0.07	—
Vendor	0.03	0.99	0.48	0.01	0.01	0.20	0.21	0.01	0.06	0.07	—	778	778	0.03	0.11	0.05	—
Hauling	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	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.48	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	92.1	92.1	< 0.005	< 0.005	0.18	—
Vendor	< 0.005	0.14	0.07	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	111	111	< 0.005	0.02	0.13	—
Hauling	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	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.2	15.2	< 0.005	< 0.005	0.03	—
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.4	18.4	< 0.005	< 0.005	0.02	—
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	—

### 3.9. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	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	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	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	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	5.49	6.42	0.01	0.24	—	0.24	0.22	—	0.22	—	1,173	1,173	0.05	0.01	—	1,177
Onsite truck	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	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.00	1.17	< 0.005	0.04	—	0.04	0.04	—	0.04	—	194	194	0.01	< 0.005	—	195
Onsite truck	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	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.22	3.50	0.00	0.00	0.61	0.61	0.00	0.14	0.14	—	655	655	0.03	0.02	2.59	—
Vendor	0.02	0.90	0.44	0.01	0.01	0.20	0.21	0.01	0.06	0.07	—	767	767	0.03	0.11	2.08	—
Hauling	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	—



Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.26	2.96	0.00	0.00	0.61	0.61	0.00	0.14	0.14	—	621	621	0.03	0.02	0.07	—
Vendor	0.02	0.94	0.45	0.01	0.01	0.20	0.21	0.01	0.06	0.07	—	767	767	0.03	0.11	0.05	—
Hauling	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	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.13	1.52	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	308	308	0.01	0.01	0.55	—
Vendor	0.01	0.46	0.22	< 0.005	0.01	0.10	0.10	0.01	0.03	0.03	—	375	375	0.02	0.05	0.44	—
Hauling	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	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.28	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	51.1	51.1	< 0.005	< 0.005	0.09	—
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	62.1	62.1	< 0.005	0.01	0.07	—
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	—

### 3.11. Paving (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.76	6.87	8.89	0.01	0.33	—	0.33	0.30	—	0.30	—	1,351	1,351	0.05	0.01	—	1,355
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.76	6.87	8.89	0.01	0.33	—	0.33	0.30	—	0.30	—	1,351	1,351	0.05	0.01	—	1,355
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.34	0.44	< 0.005	0.02	—	0.02	0.01	—	0.01	—	66.6	66.6	< 0.005	< 0.005	—	66.8
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.0	11.0	< 0.005	< 0.005	—	11.1
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.10	1.51	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	282	282	0.01	0.01	1.11	—
Vendor	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	—
Hauling	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	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.11	1.28	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	268	268	0.01	0.01	0.03	—

Vendor	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	—
Hauling	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	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.4	13.4	< 0.005	< 0.005	0.02	—
Vendor	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	—
Hauling	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	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.22	2.22	< 0.005	< 0.005	< 0.005	—
Vendor	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	—
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	—

### 3.13. Architectural Coating (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.91	1.15	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	74.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.58	6.58	< 0.005	< 0.005	—	6.61
Architectural Coatings	3.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.09	1.09	< 0.005	< 0.005	—	1.09
Architectural Coatings	0.67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.59	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	124	124	0.01	< 0.005	0.01	—
Vendor	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	—
Hauling	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	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.22	6.22	< 0.005	< 0.005	0.01	—
Vendor	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	—
Hauling	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	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.03	1.03	< 0.005	< 0.005	< 0.005	—

Vendor	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	—
Hauling	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	—

## 4. Operations Emissions Details

### 4.1. Mobile Emissions by Land Use

#### 4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	3.64	1.91	19.7	0.03	0.03	2.83	2.86	0.02	0.72	0.74	—	3,467	3,467	0.28	0.18	14.1	3,543
Total	3.64	1.91	19.7	0.03	0.03	2.83	2.86	0.02	0.72	0.74	—	3,467	3,467	0.28	0.18	14.1	3,543
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	3.57	2.09	19.3	0.03	0.03	2.83	2.86	0.02	0.72	0.74	—	3,326	3,326	0.30	0.19	0.37	3,391
Total	3.57	2.09	19.3	0.03	0.03	2.83	2.86	0.02	0.72	0.74	—	3,326	3,326	0.30	0.19	0.37	3,391
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.64	0.37	3.41	0.01	< 0.005	0.47	0.48	< 0.005	0.12	0.12	—	518	518	0.05	0.03	0.93	529
Total	0.64	0.37	3.41	0.01	< 0.005	0.47	0.48	< 0.005	0.12	0.12	—	518	518	0.05	0.03	0.93	529

### 4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	1,379	1,379	0.13	0.02	—	1,387
Total	—	—	—	—	—	—	—	—	—	—	—	1,379	1,379	0.13	0.02	—	1,387
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	1,379	1,379	0.13	0.02	—	1,387
Total	—	—	—	—	—	—	—	—	—	—	—	1,379	1,379	0.13	0.02	—	1,387
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	228	228	0.02	< 0.005	—	230
Total	—	—	—	—	—	—	—	—	—	—	—	228	228	0.02	< 0.005	—	230

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	229	229	0.02	< 0.005	—	230

Total	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	229	229	0.02	< 0.005	—	230
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	229	229	0.02	< 0.005	—	230
Total	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	229	229	0.02	< 0.005	—	230
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	37.9	37.9	< 0.005	< 0.005	—	38.0
Total	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	37.9	37.9	< 0.005	< 0.005	—	38.0

### 4.3. Area Emissions by Source

#### 4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.92	0.10	11.7	< 0.005	0.02	—	0.02	0.02	—	0.02	—	48.0	48.0	< 0.005	< 0.005	—	48.2
Total	5.39	0.10	11.7	< 0.005	0.02	—	0.02	0.02	—	0.02	—	48.0	48.0	< 0.005	< 0.005	—	48.2

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.24	0.01	1.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.45	5.45	< 0.005	< 0.005	—	5.47
Total	0.87	0.01	1.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.45	5.45	< 0.005	< 0.005	—	5.47

#### 4.4. Water Emissions by Land Use

##### 4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	20.6	69.9	90.4	2.12	0.05	—	159



Total	—	—	—	—	—	—	—	—	—	—	20.6	69.9	90.4	2.12	0.05	—	159
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	20.6	69.9	90.4	2.12	0.05	—	159
Total	—	—	—	—	—	—	—	—	—	—	20.6	69.9	90.4	2.12	0.05	—	159
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	3.41	11.6	15.0	0.35	0.01	—	26.3
Total	—	—	—	—	—	—	—	—	—	—	3.41	11.6	15.0	0.35	0.01	—	26.3

## 4.5. Waste Emissions by Land Use

### 4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	82.1	0.00	82.1	8.20	0.00	—	287
Total	—	—	—	—	—	—	—	—	—	—	82.1	0.00	82.1	8.20	0.00	—	287
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	82.1	0.00	82.1	8.20	0.00	—	287
Total	—	—	—	—	—	—	—	—	—	—	82.1	0.00	82.1	8.20	0.00	—	287

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	13.6	0.00	13.6	1.36	0.00	—	47.5
Total	—	—	—	—	—	—	—	—	—	—	13.6	0.00	13.6	1.36	0.00	—	47.5

### 4.6. Refrigerant Emissions by Land Use

#### 4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.70	0.70
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.70	0.70
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.70	0.70
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.70	0.70
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.12	0.12
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.12	0.12

### 4.7. Offroad Emissions By Equipment Type

#### 4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

### 4.8. Stationary Emissions By Equipment Type

#### 4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

### 4.9. User Defined Emissions By Equipment Type

#### 4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

### 4.10. Soil Carbon Accumulation By Vegetation Type

#### 4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequeste	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequeste red	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequeste red	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## 5. Activity Data

## 5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	9/1/2023	9/29/2023	5.00	20.0	—
Site Preparation	Site Preparation	9/30/2023	10/7/2023	5.00	5.00	—
Grading	Grading	10/8/2023	10/19/2023	5.00	8.00	—
Building Construction	Building Construction	10/20/2023	9/6/2024	5.00	230	—
Paving	Paving	9/7/2024	10/2/2024	5.00	18.0	—
Architectural Coating	Architectural Coating	10/3/2024	10/28/2024	5.00	18.0	—

## 5.2. Off-Road Equipment

### 5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74

Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	6.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	0.00	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT



Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	46.4	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	23.8	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	9.28	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	217,559	72,520	—

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	—	—
Site Preparation	—	—	7.50	0.00	—
Grading	—	—	8.00	0.00	—
Paving	0.00	0.00	0.00	0.00	0.00

### 5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

## 5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Regional Shopping Center	0.00	0%

## 5.8. Construction Electricity Consumption and Emissions Factors

### kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2023	0.00	532	0.03	< 0.005
2024	0.00	532	0.03	< 0.005

## 5.9. Operational Mobile Sources

### 5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
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Regional Shopping Center	1,092	1,092	1,092	398,632	3,576	3,996	3,996	1,349,076
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## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

### 5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	217,559	72,520	—

### 5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

## 5.11. Operational Energy Consumption

### 5.11.1. Unmitigated

#### Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Regional Shopping Center	1,444,086	349	0.0330	0.0040	714,193

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Regional Shopping Center	10,743,404	0.00

### 5.13. Operational Waste Generation

#### 5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Regional Shopping Center	152	—

### 5.14. Operational Refrigeration and Air Conditioning Equipment

#### 5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

### 5.15. Operational Off-Road Equipment

#### 5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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### 5.16. Stationary Sources

### 5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
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### 5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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### 5.17. User Defined

Equipment Type	Fuel Type
—	—

### 5.18. Vegetation

#### 5.18.1. Land Use Change

##### 5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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#### 5.18.1. Biomass Cover Type

##### 5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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#### 5.18.2. Sequestration

##### 5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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## 6. Climate Risk Detailed Report

### 6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	7.73	annual days of extreme heat
Extreme Precipitation	7.05	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.30	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about  $\frac{3}{4}$  an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

### 6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

### 6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

### 6.4. Climate Risk Reduction Measures

## 7. Health and Equity Details

### 7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
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Exposure Indicators	—
AQ-Ozone	55.4
AQ-PM	69.5
AQ-DPM	88.3
Drinking Water	49.1
Lead Risk Housing	62.9
Pesticides	0.00
Toxic Releases	74.6
Traffic	65.7
Effect Indicators	—
CleanUp Sites	62.9
Groundwater	0.00
Haz Waste Facilities/Generators	81.9
Impaired Water Bodies	0.00
Solid Waste	59.2
Sensitive Population	—
Asthma	27.0
Cardio-vascular	33.9
Low Birth Weights	24.8
Socioeconomic Factor Indicators	—
Education	5.86
Housing	41.4
Linguistic	32.6
Poverty	21.7
Unemployment	62.4

## 7.2. Healthy Places Index Scores



The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	85.3586552
Employed	53.24008726
Median HI	91.35121263
Education	—
Bachelor's or higher	97.89554729
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	59.70742974
Active commuting	63.5698704
Social	—
2-parent households	26.03618632
Voting	66.04645194
Neighborhood	—
Alcohol availability	40.15141794
Park access	34.58231746
Retail density	88.78480688
Supermarket access	78.69883229
Tree canopy	70.69164635
Housing	—
Homeownership	29.61632234
Housing habitability	68.45887335
Low-inc homeowner severe housing cost burden	93.90478635
Low-inc renter severe housing cost burden	47.88913127
Uncrowded housing	83.16437829

Health Outcomes	—
Insured adults	87.48877197
Arthritis	0.0
Asthma ER Admissions	94.2
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	96.8
Cognitively Disabled	76.7
Physically Disabled	69.8
Heart Attack ER Admissions	84.0
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	67.2
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	84.9
Elderly	10.6
English Speaking	65.5
Foreign-born	51.6
Outdoor Workers	94.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	27.4
Traffic Density	81.1
Traffic Access	87.4
Other Indices	—
Hardship	7.4
Other Decision Support	—
2016 Voting	57.0

### 7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	38.0
Healthy Places Index Score for Project Location (b)	88.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

### 7.4. Health & Equity Measures

No Health & Equity Measures selected.

### 7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

## 7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

## 8. User Changes to Default Data

Screen	Justification
Operations: Vehicle Data	1,092 existing trip generation. Adjusted trip gen rates
Land Use	Project site area

# 9600 Wilshire Boulevard Specific Plan Revised Scenario 1 Mitigated v5 Detailed Report

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8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

Data Field	Value
Project Name	9600 Wilshire Boulevard Specific Plan Revised Scenario 1 Mitigated v5
Construction Start Date	8/1/2024
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	19.6
Location	9600 Wilshire Blvd, Beverly Hills, CA 90210, USA
County	Los Angeles-South Coast
City	Beverly Hills
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4315
EDFZ	16
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.22

## 1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
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Apartments Mid Rise	68.0	Dwelling Unit	3.20	221,596	0.00	0.00	201	—
Hotel	40.0	Room	0.00	47,412	0.00	0.00	—	—
Quality Restaurant	14.7	1000sqft	0.00	14,703	0.00	0.00	—	—
Health Club	17.2	1000sqft	0.00	17,215	0.00	0.00	—	—
Regional Shopping Center	39.6	1000sqft	0.00	39,579	0.00	0.00	—	—
General Office Building	145	1000sqft	0.00	144,903	0.00	0.00	—	—
Enclosed Parking with Elevator	397	Space	0.00	374,800	0.00	0.00	—	—
Parking Lot	12.0	Space	0.00	0.00	0.00	0.00	—	—

### 1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

## 2. Emissions Summary

### 2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	16.2	162	179	0.71	4.72	21.7	26.4	4.38	5.53	9.91	—	96,349	96,349	4.37	9.29	146	99,373
Mit.	10.1	92.1	245	0.71	1.41	21.7	23.1	1.38	5.53	6.92	—	96,349	96,349	4.37	9.29	146	99,373
% Reduced	38%	43%	-37%	—	70%	—	13%	68%	—	30%	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	48.4	111	121	0.52	2.53	20.5	23.1	2.37	5.36	7.72	—	76,075	76,075	3.53	9.11	3.96	78,884
Mit.	45.7	79.7	139	0.52	1.18	20.5	21.6	0.99	5.36	6.35	—	76,075	76,075	3.53	9.11	3.96	78,884
% Reduced	5%	28%	-15%	—	54%	—	7%	58%	—	18%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.84	56.3	67.0	0.24	1.67	8.60	10.3	1.54	2.16	3.70	—	33,318	33,318	1.50	3.03	23.0	34,282
Mit.	6.13	32.2	89.6	0.24	0.47	8.60	9.07	0.45	2.16	2.61	—	33,318	33,318	1.50	3.03	23.0	34,282
% Reduced	22%	43%	-34%	—	72%	—	12%	71%	—	29%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.43	10.3	12.2	0.04	0.31	1.57	1.87	0.28	0.39	0.67	—	5,516	5,516	0.25	0.50	3.81	5,676
Mit.	1.12	5.87	16.4	0.04	0.09	1.57	1.65	0.08	0.39	0.48	—	5,516	5,516	0.25	0.50	3.81	5,676
% Reduced	22%	43%	-34%	—	72%	—	12%	71%	—	29%	—	—	—	—	—	—	—

## 2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.12	9.38	11.6	0.02	0.39	0.23	0.61	0.36	0.05	0.41	—	1,827	1,827	0.07	0.02	0.97	1,836
2025	1.07	9.10	11.5	0.02	0.35	0.23	0.58	0.33	0.05	0.38	—	1,822	1,822	0.07	0.02	0.89	1,831
2026	16.2	162	179	0.71	4.72	21.7	26.4	4.38	5.53	9.91	—	96,349	96,349	4.37	9.29	146	99,373
2027	12.2	34.6	52.4	0.08	1.22	5.53	6.76	1.13	1.34	2.47	—	13,413	13,413	0.56	0.68	23.4	13,653



2028	12.1	34.0	71.7	0.08	1.19	5.53	6.72	1.10	1.34	2.43	—	13,253	13,253	0.38	0.68	21.5	13,487
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.12	9.39	11.4	0.02	0.39	0.23	0.61	0.36	0.05	0.41	—	1,814	1,814	0.07	0.02	0.03	1,823
2025	48.4	111	121	0.52	2.53	20.5	23.1	2.37	5.36	7.72	—	76,075	76,075	3.53	9.11	3.96	78,884
2026	7.88	107	96.2	0.52	2.51	20.5	23.1	2.35	5.36	7.70	—	74,975	74,975	3.52	9.11	3.75	77,781
2027	12.2	45.7	75.1	0.17	1.63	6.05	7.68	1.51	1.39	2.90	—	22,663	22,663	0.81	0.76	0.61	22,910
2028	12.1	34.3	48.2	0.08	1.19	5.53	6.72	1.10	1.34	2.43	—	13,018	13,018	0.39	0.68	0.56	13,232
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.33	2.81	3.44	0.01	0.12	0.07	0.18	0.11	0.02	0.12	—	544	544	0.02	0.01	0.13	547
2025	6.76	16.5	26.4	0.06	0.60	2.28	2.87	0.53	0.56	1.09	—	7,982	7,982	0.36	0.69	5.88	8,203
2026	6.04	56.3	67.0	0.24	1.67	8.60	10.3	1.54	2.16	3.70	—	33,318	33,318	1.50	3.03	23.0	34,282
2027	7.84	26.9	40.4	0.07	0.95	3.99	4.94	0.87	0.95	1.83	—	11,129	11,129	0.37	0.50	7.21	11,294
2028	5.29	16.2	28.8	0.04	0.53	2.93	3.46	0.49	0.71	1.19	—	6,644	6,644	0.19	0.36	4.97	6,761
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.06	0.51	0.63	< 0.005	0.02	0.01	0.03	0.02	< 0.005	0.02	—	90.1	90.1	< 0.005	< 0.005	0.02	90.5
2025	1.23	3.01	4.83	0.01	0.11	0.42	0.52	0.10	0.10	0.20	—	1,321	1,321	0.06	0.11	0.97	1,358
2026	1.10	10.3	12.2	0.04	0.31	1.57	1.87	0.28	0.39	0.67	—	5,516	5,516	0.25	0.50	3.81	5,676
2027	1.43	4.92	7.37	0.01	0.17	0.73	0.90	0.16	0.17	0.33	—	1,842	1,842	0.06	0.08	1.19	1,870
2028	0.96	2.95	5.25	0.01	0.10	0.53	0.63	0.09	0.13	0.22	—	1,100	1,100	0.03	0.06	0.82	1,119

### 2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2024	1.02	9.15	11.6	0.02	0.35	0.23	0.58	0.33	0.05	0.38	—	1,827	1,827	0.07	0.02	0.97	1,836
2025	0.98	8.89	11.5	0.02	0.33	0.23	0.55	0.30	0.05	0.35	—	1,822	1,822	0.07	0.02	0.89	1,831
2026	5.60	92.1	245	0.71	1.41	21.7	23.1	1.38	5.53	6.92	—	96,349	96,349	4.37	9.29	146	99,373
2027	10.1	14.0	52.3	0.08	0.33	5.53	5.86	0.31	1.34	1.65	—	13,413	13,413	0.56	0.68	23.4	13,653
2028	9.98	15.4	71.7	0.08	0.31	5.53	5.85	0.30	1.34	1.63	—	13,253	13,253	0.38	0.68	21.5	13,487
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.02	9.17	11.4	0.02	0.35	0.23	0.58	0.33	0.05	0.38	—	1,814	1,814	0.07	0.02	0.03	1,823
2025	45.7	79.7	139	0.52	1.18	20.5	21.6	0.99	5.36	6.35	—	76,075	76,075	3.53	9.11	3.96	78,884
2026	3.35	77.0	124	0.52	1.02	20.5	21.6	0.99	5.36	6.35	—	74,975	74,975	3.52	9.11	3.75	77,781
2027	10.1	18.2	103	0.17	0.33	6.05	6.35	0.31	1.39	1.70	—	22,663	22,663	0.81	0.76	0.61	22,910
2028	9.97	14.1	48.0	0.08	0.31	5.53	5.85	0.30	1.34	1.63	—	13,018	13,018	0.39	0.68	0.56	13,232
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.30	2.74	3.43	0.01	0.11	0.07	0.17	0.10	0.02	0.11	—	544	544	0.02	0.01	0.13	547
2025	6.13	12.2	30.3	0.06	0.37	2.28	2.65	0.33	0.56	0.89	—	7,982	7,982	0.36	0.69	5.88	8,203
2026	2.35	32.2	89.6	0.24	0.47	8.60	9.07	0.45	2.16	2.61	—	33,318	33,318	1.50	3.03	23.0	34,282
2027	5.90	11.0	45.2	0.07	0.23	3.99	4.22	0.22	0.95	1.17	—	11,129	11,129	0.37	0.50	7.21	11,294
2028	4.39	7.76	28.7	0.04	0.16	2.93	3.09	0.15	0.71	0.86	—	6,644	6,644	0.19	0.36	4.97	6,761
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.06	0.50	0.63	< 0.005	0.02	0.01	0.03	0.02	< 0.005	0.02	—	90.1	90.1	< 0.005	< 0.005	0.02	90.5
2025	1.12	2.23	5.53	0.01	0.07	0.42	0.48	0.06	0.10	0.16	—	1,321	1,321	0.06	0.11	0.97	1,358
2026	0.43	5.87	16.4	0.04	0.09	1.57	1.65	0.08	0.39	0.48	—	5,516	5,516	0.25	0.50	3.81	5,676
2027	1.08	2.01	8.24	0.01	0.04	0.73	0.77	0.04	0.17	0.21	—	1,842	1,842	0.06	0.08	1.19	1,870
2028	0.80	1.42	5.23	0.01	0.03	0.53	0.56	0.03	0.13	0.16	—	1,100	1,100	0.03	0.06	0.82	1,119

## 2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	51.0	14.0	189	0.39	5.22	27.2	32.4	5.11	6.91	12.0	903	38,396	39,299	30.9	1.48	180	40,694
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	45.9	14.7	150	0.37	5.17	27.2	32.4	5.07	6.91	12.0	903	37,068	37,972	31.0	1.54	101	39,308
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	29.7	11.1	115	0.22	0.64	19.8	20.5	0.62	5.04	5.66	310	28,995	29,305	28.9	1.23	125	30,518
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.42	2.02	21.0	0.04	0.12	3.62	3.74	0.11	0.92	1.03	51.3	4,800	4,852	4.78	0.20	20.7	5,053

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.8	10.5	122	0.29	0.18	27.2	27.4	0.16	6.91	7.07	—	29,365	29,365	1.52	1.21	80.7	29,846
Area	34.1	1.68	66.2	0.09	4.91	—	4.91	4.80	—	4.80	637	1,342	1,979	1.90	0.02	—	2,033
Energy	0.10	1.85	1.48	0.01	0.14	—	0.14	0.14	—	0.14	—	7,446	7,446	0.69	0.06	—	7,482
Water	—	—	—	—	—	—	—	—	—	—	72.3	244	316	7.43	0.18	—	555
Waste	—	—	—	—	—	—	—	—	—	—	194	0.00	194	19.4	0.00	—	679
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	99.3	99.3
Total	51.0	14.0	189	0.39	5.22	27.2	32.4	5.11	6.91	12.0	903	38,396	39,299	30.9	1.48	180	40,694

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.6	11.4	114	0.28	0.18	27.2	27.4	0.16	6.91	7.07	—	28,162	28,162	1.59	1.28	2.09	28,584
Area	29.2	1.41	34.6	0.09	4.85	—	4.85	4.77	—	4.77	637	1,217	1,854	1.90	0.02	—	1,908
Energy	0.10	1.85	1.48	0.01	0.14	—	0.14	0.14	—	0.14	—	7,446	7,446	0.69	0.06	—	7,482
Water	—	—	—	—	—	—	—	—	—	—	72.3	244	316	7.43	0.18	—	555
Waste	—	—	—	—	—	—	—	—	—	—	194	0.00	194	19.4	0.00	—	679
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	99.3	99.3
Total	45.9	14.7	150	0.37	5.17	27.2	32.4	5.07	6.91	12.0	903	37,068	37,972	31.0	1.54	101	39,308
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.6	8.93	89.6	0.21	0.13	19.8	20.0	0.12	5.04	5.16	—	21,137	21,137	1.25	0.98	25.7	21,487
Area	16.0	0.28	24.0	0.01	0.37	—	0.37	0.35	—	0.35	43.6	169	212	0.13	< 0.005	—	216
Energy	0.10	1.85	1.48	0.01	0.14	—	0.14	0.14	—	0.14	—	7,446	7,446	0.69	0.06	—	7,482
Water	—	—	—	—	—	—	—	—	—	—	72.3	244	316	7.43	0.18	—	555
Waste	—	—	—	—	—	—	—	—	—	—	194	0.00	194	19.4	0.00	—	679
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	99.3	99.3
Total	29.7	11.1	115	0.22	0.64	19.8	20.5	0.62	5.04	5.66	310	28,995	29,305	28.9	1.23	125	30,518
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.48	1.63	16.3	0.04	0.02	3.62	3.64	0.02	0.92	0.94	—	3,499	3,499	0.21	0.16	4.26	3,557
Area	2.92	0.05	4.39	< 0.005	0.07	—	0.07	0.06	—	0.06	7.22	27.9	35.1	0.02	< 0.005	—	35.8
Energy	0.02	0.34	0.27	< 0.005	0.03	—	0.03	0.03	—	0.03	—	1,233	1,233	0.11	0.01	—	1,239
Water	—	—	—	—	—	—	—	—	—	—	12.0	40.3	52.3	1.23	0.03	—	91.9
Waste	—	—	—	—	—	—	—	—	—	—	32.1	0.00	32.1	3.21	0.00	—	112
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16.4	16.4
Total	5.42	2.02	21.0	0.04	0.12	3.62	3.74	0.11	0.92	1.03	51.3	4,800	4,852	4.78	0.20	20.7	5,053

### 2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.8	10.5	122	0.29	0.18	27.2	27.4	0.16	6.91	7.07	—	29,365	29,365	1.52	1.21	80.7	29,846
Area	34.1	1.68	66.2	0.09	4.91	—	4.91	4.80	—	4.80	637	1,342	1,979	1.90	0.02	—	2,033
Energy	0.10	1.85	1.48	0.01	0.14	—	0.14	0.14	—	0.14	—	7,446	7,446	0.69	0.06	—	7,482
Water	—	—	—	—	—	—	—	—	—	—	72.3	244	316	7.43	0.18	—	555
Waste	—	—	—	—	—	—	—	—	—	—	194	0.00	194	19.4	0.00	—	679
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	99.3	99.3
Total	51.0	14.0	189	0.39	5.22	27.2	32.4	5.11	6.91	12.0	903	38,396	39,299	30.9	1.48	180	40,694
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.6	11.4	114	0.28	0.18	27.2	27.4	0.16	6.91	7.07	—	28,162	28,162	1.59	1.28	2.09	28,584
Area	29.2	1.41	34.6	0.09	4.85	—	4.85	4.77	—	4.77	637	1,217	1,854	1.90	0.02	—	1,908
Energy	0.10	1.85	1.48	0.01	0.14	—	0.14	0.14	—	0.14	—	7,446	7,446	0.69	0.06	—	7,482
Water	—	—	—	—	—	—	—	—	—	—	72.3	244	316	7.43	0.18	—	555
Waste	—	—	—	—	—	—	—	—	—	—	194	0.00	194	19.4	0.00	—	679
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	99.3	99.3
Total	45.9	14.7	150	0.37	5.17	27.2	32.4	5.07	6.91	12.0	903	37,068	37,972	31.0	1.54	101	39,308
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.6	8.93	89.6	0.21	0.13	19.8	20.0	0.12	5.04	5.16	—	21,137	21,137	1.25	0.98	25.7	21,487
Area	16.0	0.28	24.0	0.01	0.37	—	0.37	0.35	—	0.35	43.6	169	212	0.13	< 0.005	—	216
Energy	0.10	1.85	1.48	0.01	0.14	—	0.14	0.14	—	0.14	—	7,446	7,446	0.69	0.06	—	7,482
Water	—	—	—	—	—	—	—	—	—	—	72.3	244	316	7.43	0.18	—	555

Waste	—	—	—	—	—	—	—	—	—	—	194	0.00	194	19.4	0.00	—	679
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	99.3	99.3
Total	29.7	11.1	115	0.22	0.64	19.8	20.5	0.62	5.04	5.66	310	28,995	29,305	28.9	1.23	125	30,518
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.48	1.63	16.3	0.04	0.02	3.62	3.64	0.02	0.92	0.94	—	3,499	3,499	0.21	0.16	4.26	3,557
Area	2.92	0.05	4.39	< 0.005	0.07	—	0.07	0.06	—	0.06	7.22	27.9	35.1	0.02	< 0.005	—	35.8
Energy	0.02	0.34	0.27	< 0.005	0.03	—	0.03	0.03	—	0.03	—	1,233	1,233	0.11	0.01	—	1,239
Water	—	—	—	—	—	—	—	—	—	—	12.0	40.3	52.3	1.23	0.03	—	91.9
Waste	—	—	—	—	—	—	—	—	—	—	32.1	0.00	32.1	3.21	0.00	—	112
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16.4	16.4
Total	5.42	2.02	21.0	0.04	0.12	3.62	3.74	0.11	0.92	1.03	51.3	4,800	4,852	4.78	0.20	20.7	5,053

### 3. Construction Emissions Details

#### 3.1. Demolition (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	46.8	32.3	97.1	0.10	2.06	—	2.06	1.78	—	1.78	—	9,852	9,852	0.40	0.08	—	9,885
Demolition	—	—	—	—	—	1.73	1.73	—	0.26	0.26	—	—	—	—	—	—	—
Onsite truck	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

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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.51	3.80	11.4	0.01	0.24	—	0.24	0.21	—	0.21	—	1,161	1,161	0.05	0.01	—	1,165
Demolition	—	—	—	—	—	0.20	0.20	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.69	2.09	< 0.005	0.04	—	0.04	0.04	—	0.04	—	192	192	0.01	< 0.005	—	193
Demolition	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.02	2.47	0.82	0.01	0.03	0.59	0.61	0.03	0.16	0.19	—	2,154	2,154	0.10	0.34	0.13	2,257
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	< 0.005	0.30	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	254	254	0.01	0.04	0.26	266
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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

Vendor	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
Hauling	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.0	42.0	< 0.005	0.01	0.04	44.1

### 3.2. Demolition (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	44.1	12.9	116	0.10	1.10	—	1.10	0.90	—	0.90	—	9,852	9,852	0.40	0.08	—	9,885
Demolition	—	—	—	—	—	1.73	1.73	—	0.26	0.26	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.20	1.52	13.6	0.01	0.13	—	0.13	0.11	—	0.11	—	1,161	1,161	0.05	0.01	—	1,165
Demolition	—	—	—	—	—	0.20	0.20	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.28	2.49	< 0.005	0.02	—	0.02	0.02	—	0.02	—	192	192	0.01	< 0.005	—	193
Demolition	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—



Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	0.02	2.47	0.82	0.01	0.03	0.59	0.61	0.03	0.16	0.19	—	2,154	2,154	0.10	0.34	0.13	2,257	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	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	0.00
Vendor	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	0.00
Hauling	< 0.005	0.30	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	254	254	0.01	0.04	0.26	266	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	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	0.00
Vendor	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	0.00
Hauling	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.0	42.0	< 0.005	0.01	0.04	44.1	

### 3.3. Excavation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.00	44.0	55.2	0.14	1.80	—	1.80	1.65	—	1.65	—	14,810	14,810	0.60	0.12	—	14,861
Dust From Material Movement	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	2.67	3.35	0.01	0.11	—	0.11	0.10	—	0.10	—	898	898	0.04	0.01	—	902
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.49	0.61	< 0.005	0.02	—	0.02	0.02	—	0.02	—	149	149	0.01	< 0.005	—	149
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.4. Excavation (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.49	12.9	83.1	0.14	0.28	—	0.28	0.28	—	0.28	—	14,810	14,810	0.60	0.12	—	14,861

Dust From Material Movement	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.78	5.04	0.01	0.02	—	0.02	0.02	—	0.02	—	898	898	0.04	0.01	—	902
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.14	0.92	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	149	149	0.01	< 0.005	—	149
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.5. Excavation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.01	42.5	55.6	0.14	1.78	—	1.78	1.63	—	1.63	—	14,828	14,828	0.60	0.12	—	14,879
Dust From Material Movement	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.01	42.5	55.6	0.14	1.78	—	1.78	1.63	—	1.63	—	14,828	14,828	0.60	0.12	—	14,879

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Dust From Material Movement	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.30	30.3	39.7	0.10	1.27	—	1.27	1.17	—	1.17	—	10,592	10,592	0.43	0.09	—	10,628
Dust From Material Movement	—	—	—	—	—	0.37	0.37	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	5.54	7.24	0.02	0.23	—	0.23	0.21	—	0.21	—	1,754	1,754	0.07	0.01	—	1,760
Dust From Material Movement	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	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
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.6. Excavation (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.49	12.9	83.1	0.14	0.28	—	0.28	0.28	—	0.28	—	14,828	14,828	0.60	0.12	—	14,879
Dust From Material Movement	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	1.49	12.9	83.1	0.14	0.28	—	0.28	0.28	—	0.28	—	14,828	14,828	0.60	0.12	—	14,879
Dust From Material Movement	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.06	9.20	59.4	0.10	0.20	—	0.20	0.20	—	0.20	—	10,592	10,592	0.43	0.09	—	10,628
Dust From Material Movement	—	—	—	—	—	0.37	0.37	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.68	10.8	0.02	0.04	—	0.04	0.04	—	0.04	—	1,754	1,754	0.07	0.01	—	1,760
Dust From Material Movement	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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



Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.7. Excavation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.87	40.4	55.5	0.14	1.61	—	1.61	1.48	—	1.48	—	14,826	14,826	0.60	0.12	—	14,877

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Dust From Material Movement	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	7.11	9.78	0.02	0.28	—	0.28	0.26	—	0.26	—	2,611	2,611	0.11	0.02	—	2,620
Dust From Material Movement	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.30	1.78	< 0.005	0.05	—	0.05	0.05	—	0.05	—	432	432	0.02	< 0.005	—	434
Dust From Material Movement	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.8. Excavation (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.49	12.9	83.1	0.14	0.28	—	0.28	0.28	—	0.28	—	14,826	14,826	0.60	0.12	—	14,877
Dust From Material Movement	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	2.27	14.6	0.02	0.05	—	0.05	0.05	—	0.05	—	2,611	2,611	0.11	0.02	—	2,620

Dust From Material Movement	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.41	2.67	< 0.005	0.01	—	0.01	0.01	—	0.01	—	432	432	0.02	< 0.005	—	434
Dust From Material Movement	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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

Hauling	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
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### 3.9. Excavation - Soil Export (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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

Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.48	61.0	20.2	0.35	0.69	14.5	15.1	0.69	3.96	4.65	—	53,125	53,125	2.57	8.32	3.25	55,673
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.03	3.76	1.22	0.02	0.04	0.87	0.91	0.04	0.24	0.28	—	3,223	3,223	0.16	0.50	3.28	3,380
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.01	0.69	0.22	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	534	534	0.03	0.08	0.54	560

### 3.10. Excavation - Soil Export (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.48	61.0	20.2	0.35	0.69	14.5	15.1	0.69	3.96	4.65	—	53,125	53,125	2.57	8.32	3.25	55,673
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.03	3.76	1.22	0.02	0.04	0.87	0.91	0.04	0.24	0.28	—	3,223	3,223	0.16	0.50	3.28	3,380
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.01	0.69	0.22	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	534	534	0.03	0.08	0.54	560

### 3.11. Excavation - Soil Export (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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



Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.50	56.3	19.4	0.35	0.69	14.5	15.1	0.69	3.96	4.65	—	52,153	52,153	2.57	8.32	119	54,817
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.48	58.5	19.5	0.35	0.69	14.5	15.1	0.69	3.96	4.65	—	52,160	52,160	2.57	8.32	3.09	54,708
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.15	17.6	5.74	0.10	0.20	4.23	4.44	0.20	1.16	1.36	—	15,412	15,412	0.76	2.46	15.1	16,179
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.03	3.21	1.05	0.02	0.04	0.77	0.81	0.04	0.21	0.25	—	2,552	2,552	0.13	0.41	2.50	2,679

### 3.12. Excavation - Soil Export (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.50	56.3	19.4	0.35	0.69	14.5	15.1	0.69	3.96	4.65	—	52,153	52,153	2.57	8.32	119	54,817
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.48	58.5	19.5	0.35	0.69	14.5	15.1	0.69	3.96	4.65	—	52,160	52,160	2.57	8.32	3.09	54,708
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.15	17.6	5.74	0.10	0.20	4.23	4.44	0.20	1.16	1.36	—	15,412	15,412	0.76	2.46	15.1	16,179
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.03	3.21	1.05	0.02	0.04	0.77	0.81	0.04	0.21	0.25	—	2,552	2,552	0.13	0.41	2.50	2,679

### 3.13. 24 - Hour Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	8.16	57.8	77.1	0.20	2.20	—	2.20	2.03	—	2.03	—	20,694	20,694	0.84	0.17	—	20,765
Dust From Material Movement	—	—	—	—	—	0.72	0.72	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	4.27	5.70	0.01	0.16	—	0.16	0.15	—	0.15	—	1,531	1,531	0.06	0.01	—	1,536
Dust From Material Movement	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.78	1.04	< 0.005	0.03	—	0.03	0.03	—	0.03	—	253	253	0.01	< 0.005	—	254
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	2.20	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	442	442	0.02	0.02	1.49	448
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	31.4	31.4	< 0.005	< 0.005	0.05	31.9
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.20	5.20	< 0.005	< 0.005	0.01	5.28
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.14. 24 - Hour Construction (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.06	17.6	116	0.20	0.39	—	0.39	0.39	—	0.39	—	20,694	20,694	0.84	0.17	—	20,765

Dust From Material Movement	—	—	—	—	—	0.72	0.72	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.30	8.58	0.01	0.03	—	0.03	0.03	—	0.03	—	1,531	1,531	0.06	0.01	—	1,536
Dust From Material Movement	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.24	1.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	253	253	0.01	< 0.005	—	254
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	2.20	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	442	442	0.02	0.02	1.49	448
Vendor	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
Hauling	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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	31.4	31.4	< 0.005	< 0.005	0.05	31.9
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.20	5.20	< 0.005	< 0.005	0.01	5.28
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.15. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.39	29.7	29.6	0.05	1.20	—	1.20	1.10	—	1.10	—	5,336	5,336	0.22	0.04	—	5,354
Architectural Coatings	7.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.39	29.7	29.6	0.05	1.20	—	1.20	1.10	—	1.10	—	5,336	5,336	0.22	0.04	—	5,354



Architectural Coatings	7.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.82	16.0	15.9	0.03	0.65	—	0.65	0.59	—	0.59	—	2,872	2,872	0.12	0.02	—	2,882
Architectural Coatings	4.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	2.92	2.91	< 0.005	0.12	—	0.12	0.11	—	0.11	—	475	475	0.02	< 0.005	—	477
Architectural Coatings	0.74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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

Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.16. Building Construction (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	9.09	29.5	0.05	0.30	—	0.30	0.28	—	0.28	—	5,336	5,336	0.22	0.04	—	5,354
Architectural Coatings	7.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	9.09	29.5	0.05	0.30	—	0.30	0.28	—	0.28	—	5,336	5,336	0.22	0.04	—	5,354

Architectural	7.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	4.89	15.9	0.03	0.16	—	0.16	0.15	—	0.15	—	2,872	2,872	0.12	0.02	—	2,882
Architectural Coatings	4.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.89	2.90	< 0.005	0.03	—	0.03	0.03	—	0.03	—	475	475	0.02	< 0.005	—	477
Architectural Coatings	0.74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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

Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.17. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.35	29.3	29.7	0.05	1.16	—	1.16	1.07	—	1.07	—	5,338	5,338	0.22	0.04	—	5,357
Architectural Coatings	7.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.35	29.3	29.7	0.05	1.16	—	1.16	1.07	—	1.07	—	5,338	5,338	0.22	0.04	—	5,357

Architectural	7.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	12.2	12.4	0.02	0.48	—	0.48	0.45	—	0.45	—	2,225	2,225	0.09	0.02	—	2,233
Architectural Coatings	3.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	2.23	2.26	< 0.005	0.09	—	0.09	0.08	—	0.08	—	368	368	0.01	< 0.005	—	370
Architectural Coatings	0.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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

Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.18. Building Construction (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.21	9.03	29.5	0.05	0.29	—	0.29	0.27	—	0.27	—	5,338	5,338	0.22	0.04	—	5,357
Architectural Coatings	7.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.21	9.03	29.5	0.05	0.29	—	0.29	0.27	—	0.27	—	5,338	5,338	0.22	0.04	—	5,357

Architectural	7.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	3.77	12.3	0.02	0.12	—	0.12	0.11	—	0.11	—	2,225	2,225	0.09	0.02	—	2,233
Architectural Coatings	3.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.69	2.25	< 0.005	0.02	—	0.02	0.02	—	0.02	—	368	368	0.01	< 0.005	—	370
Architectural Coatings	0.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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

Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.19. Construction Workers (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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



Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.49	1.68	20.6	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,587	4,587	0.21	0.17	0.46	4,645
Vendor	0.10	4.21	2.00	0.03	0.05	0.96	1.01	0.03	0.26	0.29	—	3,553	3,553	0.15	0.50	0.25	3,705
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.33	3.90	0.00	0.00	0.81	0.81	0.00	0.19	0.19	—	838	838	0.04	0.03	1.38	849
Vendor	0.02	0.76	0.36	< 0.005	0.01	0.17	0.18	< 0.005	0.05	0.05	—	640	640	0.03	0.09	0.76	668
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.71	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	139	139	0.01	< 0.005	0.23	141
Vendor	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	106	106	< 0.005	0.01	0.13	111
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.20. Construction Workers (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.49	1.68	20.6	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,587	4,587	0.21	0.17	0.46	4,645
Vendor	0.10	4.21	2.00	0.03	0.05	0.96	1.01	0.03	0.26	0.29	—	3,553	3,553	0.15	0.50	0.25	3,705
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.27	0.33	3.90	0.00	0.00	0.81	0.81	0.00	0.19	0.19	—	838	838	0.04	0.03	1.38	849
Vendor	0.02	0.76	0.36	< 0.005	0.01	0.17	0.18	< 0.005	0.05	0.05	—	640	640	0.03	0.09	0.76	668
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.71	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	139	139	0.01	< 0.005	0.23	141
Vendor	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	106	106	< 0.005	0.01	0.13	111
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.21. Construction Workers (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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

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Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.29	1.36	22.6	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,742	4,742	0.20	0.17	16.0	4,812
Vendor	0.10	3.85	1.86	0.03	0.05	0.96	1.01	0.03	0.26	0.29	—	3,490	3,490	0.15	0.50	9.43	3,651
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.28	1.52	19.3	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,496	4,496	0.20	0.17	0.42	4,550
Vendor	0.10	4.02	1.91	0.03	0.05	0.96	1.01	0.03	0.26	0.29	—	3,492	3,492	0.15	0.50	0.24	3,644
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.91	1.18	14.4	0.00	0.00	3.23	3.23	0.00	0.76	0.76	—	3,258	3,258	0.15	0.12	4.96	3,302
Vendor	0.07	2.89	1.35	0.02	0.04	0.68	0.71	0.02	0.19	0.21	—	2,493	2,493	0.10	0.36	2.91	2,605
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.22	2.63	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	539	539	0.02	0.02	0.82	547
Vendor	0.01	0.53	0.25	< 0.005	0.01	0.12	0.13	< 0.005	0.03	0.04	—	413	413	0.02	0.06	0.48	431
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.22. Construction Workers (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.29	1.36	22.6	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,742	4,742	0.20	0.17	16.0	4,812
Vendor	0.10	3.85	1.86	0.03	0.05	0.96	1.01	0.03	0.26	0.29	—	3,490	3,490	0.15	0.50	9.43	3,651
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.28	1.52	19.3	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,496	4,496	0.20	0.17	0.42	4,550
Vendor	0.10	4.02	1.91	0.03	0.05	0.96	1.01	0.03	0.26	0.29	—	3,492	3,492	0.15	0.50	0.24	3,644
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.91	1.18	14.4	0.00	0.00	3.23	3.23	0.00	0.76	0.76	—	3,258	3,258	0.15	0.12	4.96	3,302
Vendor	0.07	2.89	1.35	0.02	0.04	0.68	0.71	0.02	0.19	0.21	—	2,493	2,493	0.10	0.36	2.91	2,605
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.22	2.63	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	539	539	0.02	0.02	0.82	547
Vendor	0.01	0.53	0.25	< 0.005	0.01	0.12	0.13	< 0.005	0.03	0.04	—	413	413	0.02	0.06	0.48	431
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.23. Construction Workers (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	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
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.24	1.21	21.0	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,651	4,651	0.20	0.17	14.5	4,720
Vendor	0.10	3.68	1.75	0.03	0.03	0.96	0.98	0.03	0.26	0.29	—	3,422	3,422	0.15	0.47	8.93	3,576
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.22	1.51	17.8	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,410	4,410	0.06	0.17	0.38	4,461

Vendor	0.10	3.83	1.80	0.03	0.03	0.96	0.98	0.03	0.26	0.29	—	3,424	3,424	0.15	0.47	0.23	3,569
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.87	1.08	13.4	0.00	0.00	3.23	3.23	0.00	0.76	0.76	—	3,196	3,196	0.04	0.12	4.46	3,237
Vendor	0.07	2.75	1.27	0.02	0.02	0.68	0.69	0.02	0.19	0.21	—	2,445	2,445	0.10	0.34	2.75	2,551
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.20	2.44	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	529	529	0.01	0.02	0.74	536
Vendor	0.01	0.50	0.23	< 0.005	< 0.005	0.12	0.13	< 0.005	0.03	0.04	—	405	405	0.02	0.06	0.46	422
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.24. Construction Workers (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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



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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.24	1.21	21.0	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,651	4,651	0.20	0.17	14.5	4,720
Vendor	0.10	3.68	1.75	0.03	0.03	0.96	0.98	0.03	0.26	0.29	—	3,422	3,422	0.15	0.47	8.93	3,576
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.22	1.51	17.8	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,410	4,410	0.06	0.17	0.38	4,461
Vendor	0.10	3.83	1.80	0.03	0.03	0.96	0.98	0.03	0.26	0.29	—	3,424	3,424	0.15	0.47	0.23	3,569
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.87	1.08	13.4	0.00	0.00	3.23	3.23	0.00	0.76	0.76	—	3,196	3,196	0.04	0.12	4.46	3,237
Vendor	0.07	2.75	1.27	0.02	0.02	0.68	0.69	0.02	0.19	0.21	—	2,445	2,445	0.10	0.34	2.75	2,551
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.20	2.44	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	529	529	0.01	0.02	0.74	536

Vendor	0.01	0.50	0.23	< 0.005	< 0.005	0.12	0.13	< 0.005	0.03	0.04	—	405	405	0.02	0.06	0.46	422
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.25. Construction Workers (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.20	1.19	19.7	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,568	4,568	0.05	0.17	13.0	4,632
Vendor	0.08	3.52	1.70	0.03	0.03	0.96	0.98	0.03	0.26	0.29	—	3,343	3,343	0.12	0.47	8.46	3,494
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.19	1.36	16.8	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,331	4,331	0.05	0.17	0.34	4,382
Vendor	0.07	3.67	1.71	0.03	0.03	0.96	0.98	0.03	0.26	0.29	—	3,345	3,345	0.12	0.47	0.22	3,489
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.63	0.72	9.41	0.00	0.00	2.42	2.42	0.00	0.57	0.57	—	2,357	2,357	0.03	0.09	3.02	2,387
Vendor	0.04	1.98	0.91	0.01	0.01	0.51	0.52	0.01	0.14	0.15	—	1,793	1,793	0.06	0.25	1.95	1,872
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.13	1.72	0.00	0.00	0.44	0.44	0.00	0.10	0.10	—	390	390	< 0.005	0.01	0.50	395
Vendor	0.01	0.36	0.17	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	297	297	0.01	0.04	0.32	310
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.26. Construction Workers (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	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
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.20	1.19	19.7	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,568	4,568	0.05	0.17	13.0	4,632
Vendor	0.08	3.52	1.70	0.03	0.03	0.96	0.98	0.03	0.26	0.29	—	3,343	3,343	0.12	0.47	8.46	3,494
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.19	1.36	16.8	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,331	4,331	0.05	0.17	0.34	4,382

Vendor	0.07	3.67	1.71	0.03	0.03	0.96	0.98	0.03	0.26	0.29	—	3,345	3,345	0.12	0.47	0.22	3,489
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.63	0.72	9.41	0.00	0.00	2.42	2.42	0.00	0.57	0.57	—	2,357	2,357	0.03	0.09	3.02	2,387
Vendor	0.04	1.98	0.91	0.01	0.01	0.51	0.52	0.01	0.14	0.15	—	1,793	1,793	0.06	0.25	1.95	1,872
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.13	1.72	0.00	0.00	0.44	0.44	0.00	0.10	0.10	—	390	390	< 0.005	0.01	0.50	395
Vendor	0.01	0.36	0.17	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	297	297	0.01	0.04	0.32	310
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.27. Utility Relocation (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	9.29	10.3	0.02	0.39	—	0.39	0.36	—	0.36	—	1,580	1,580	0.06	0.01	—	1,586
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	9.29	10.3	0.02	0.39	—	0.39	0.36	—	0.36	—	1,580	1,580	0.06	0.01	—	1,586
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	2.78	3.09	0.01	0.12	—	0.12	0.11	—	0.11	—	473	473	0.02	< 0.005	—	475
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.51	0.56	< 0.005	0.02	—	0.02	0.02	—	0.02	—	78.3	78.3	< 0.005	< 0.005	—	78.6
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.32	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	247	247	0.01	0.01	0.97	251
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.10	1.12	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	234	234	0.01	0.01	0.03	237
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.35	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	71.2	71.2	< 0.005	< 0.005	0.13	72.1
Vendor	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

Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.8	11.8	< 0.005	< 0.005	0.02	11.9
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.28. Utility Relocation (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	9.07	10.3	0.02	0.35	—	0.35	0.33	—	0.33	—	1,580	1,580	0.06	0.01	—	1,586
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	9.07	10.3	0.02	0.35	—	0.35	0.33	—	0.33	—	1,580	1,580	0.06	0.01	—	1,586
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	2.71	3.08	0.01	0.11	—	0.11	0.10	—	0.10	—	473	473	0.02	< 0.005	—	475
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.50	0.56	< 0.005	0.02	—	0.02	0.02	—	0.02	—	78.3	78.3	< 0.005	< 0.005	—	78.6
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.32	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	247	247	0.01	0.01	0.97	251
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.10	1.12	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	234	234	0.01	0.01	0.03	237
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.35	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	71.2	71.2	< 0.005	< 0.005	0.13	72.1
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.8	11.8	< 0.005	< 0.005	0.02	11.9
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00



### 3.29. Utility Relocation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.00	9.02	10.3	0.02	0.35	—	0.35	0.33	—	0.33	—	1,580	1,580	0.06	0.01	—	1,586
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.00	9.02	10.3	0.02	0.35	—	0.35	0.33	—	0.33	—	1,580	1,580	0.06	0.01	—	1,586
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	4.82	5.50	0.01	0.19	—	0.19	0.17	—	0.17	—	844	844	0.03	0.01	—	847
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.88	1.00	< 0.005	0.03	—	0.03	0.03	—	0.03	—	140	140	0.01	< 0.005	—	140
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.22	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	242	242	0.01	0.01	0.89	246
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.08	1.03	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	229	229	0.01	0.01	0.02	232
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.58	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	124	124	0.01	< 0.005	0.20	126
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	20.6	20.6	< 0.005	< 0.005	0.03	20.9
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.30. Utility Relocation (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	8.81	10.3	0.02	0.33	—	0.33	0.30	—	0.30	—	1,580	1,580	0.06	0.01	—	1,586
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	8.81	10.3	0.02	0.33	—	0.33	0.30	—	0.30	—	1,580	1,580	0.06	0.01	—	1,586
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	4.71	5.48	0.01	0.17	—	0.17	0.16	—	0.16	—	844	844	0.03	0.01	—	847
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.86	1.00	< 0.005	0.03	—	0.03	0.03	—	0.03	—	140	140	0.01	< 0.005	—	140
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.08	0.08	1.22	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	242	242	0.01	0.01	0.89	246
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.08	1.03	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	229	229	0.01	0.01	0.02	232
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.58	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	124	124	0.01	< 0.005	0.20	126
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	20.6	20.6	< 0.005	< 0.005	0.03	20.9
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.31. Paving (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	10.7	50.3	0.01	0.25	—	0.25	0.23	—	0.23	—	2,196	2,196	0.07	0.01	—	2,201
Onsite truck	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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	1.29	6.06	< 0.005	0.03	—	0.03	0.03	—	0.03	—	265	265	0.01	< 0.005	—	265
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.24	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	43.8	43.8	< 0.005	< 0.005	—	43.9
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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

Hauling	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
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### 3.32. Paving (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	10.7	50.3	0.01	0.25	—	0.25	0.23	—	0.23	—	2,196	2,196	0.07	0.01	—	2,201
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	1.29	6.06	< 0.005	0.03	—	0.03	0.03	—	0.03	—	265	265	0.01	< 0.005	—	265
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.24	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	43.8	43.8	< 0.005	< 0.005	—	43.9
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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

Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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

## 4. Operations Emissions Details

### 4.1. Mobile Emissions by Land Use

#### 4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.13	0.83	10.0	0.03	0.01	2.41	2.42	0.01	0.61	0.63	—	2,575	2,575	0.12	0.10	7.14	2,614
Hotel	0.99	0.66	7.83	0.02	0.01	1.81	1.83	0.01	0.46	0.47	—	1,950	1,950	0.09	0.08	5.38	1,981

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Quality Restaurant	3.91	2.63	31.0	0.08	0.05	7.18	7.23	0.04	1.82	1.87	—	7,719	7,719	0.37	0.31	21.3	7,842
Health Club	1.67	1.12	13.3	0.03	0.02	3.08	3.10	0.02	0.78	0.80	—	3,306	3,306	0.16	0.13	9.12	3,358
Regional Shopping Center	4.88	2.42	26.3	0.05	0.04	5.06	5.10	0.03	1.29	1.32	—	5,586	5,586	0.37	0.27	15.0	5,692
General Office Building	4.17	2.80	33.1	0.08	0.05	7.66	7.71	0.05	1.95	1.99	—	8,230	8,230	0.40	0.33	22.7	8,360
Enclosed Parking with Elevator	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
Parking Lot	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
Total	16.8	10.5	122	0.29	0.18	27.2	27.4	0.16	6.91	7.07	—	29,365	29,365	1.52	1.21	80.7	29,846
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.12	0.91	9.20	0.02	0.01	2.41	2.42	0.01	0.61	0.63	—	2,468	2,468	0.12	0.10	0.19	2,502
Hotel	0.98	0.73	7.27	0.02	0.01	1.81	1.83	0.01	0.46	0.47	—	1,870	1,870	0.10	0.08	0.14	1,896
Quality Restaurant	3.86	2.87	28.8	0.07	0.05	7.18	7.23	0.04	1.82	1.87	—	7,401	7,401	0.39	0.32	0.55	7,508
Health Club	1.65	1.23	12.3	0.03	0.02	3.08	3.10	0.02	0.78	0.80	—	3,169	3,169	0.17	0.14	0.24	3,215
Regional Shopping Center	4.83	2.64	25.7	0.05	0.04	5.06	5.10	0.03	1.29	1.32	—	5,364	5,364	0.40	0.29	0.39	5,460
General Office Building	4.12	3.06	30.7	0.08	0.05	7.66	7.71	0.05	1.95	1.99	—	7,890	7,890	0.42	0.34	0.59	8,004



Enclosed Parking with Elevator	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
Parking Lot	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
Total	16.6	11.4	114	0.28	0.18	27.2	27.4	0.16	6.91	7.07	—	28,162	28,162	1.59	1.28	2.09	28,584
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.19	0.16	1.64	< 0.005	< 0.005	0.41	0.42	< 0.005	0.10	0.11	—	393	393	0.02	0.02	0.49	399
Hotel	0.17	0.13	1.30	< 0.005	< 0.005	0.31	0.31	< 0.005	0.08	0.08	—	299	299	0.02	0.01	0.37	304
Quality Restaurant	0.59	0.34	3.36	0.01	< 0.005	0.67	0.68	< 0.005	0.17	0.18	—	658	658	0.05	0.03	0.79	670
Health Club	0.28	0.21	2.12	0.01	< 0.005	0.51	0.51	< 0.005	0.13	0.13	—	489	489	0.03	0.02	0.60	496
Regional Shopping Center	0.69	0.37	3.59	0.01	< 0.005	0.67	0.67	< 0.005	0.17	0.17	—	660	660	0.05	0.04	0.78	673
General Office Building	0.56	0.43	4.34	0.01	0.01	1.04	1.05	0.01	0.27	0.27	—	1,000	1,000	0.05	0.04	1.23	1,016
Enclosed Parking with Elevator	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
Parking Lot	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
Total	2.48	1.63	16.3	0.04	0.02	3.62	3.64	0.02	0.92	0.94	—	3,499	3,499	0.21	0.16	4.26	3,557

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.13	0.83	10.0	0.03	0.01	2.41	2.42	0.01	0.61	0.63	—	2,575	2,575	0.12	0.10	7.14	2,614
Hotel	0.99	0.66	7.83	0.02	0.01	1.81	1.83	0.01	0.46	0.47	—	1,950	1,950	0.09	0.08	5.38	1,981
Quality Restaurant	3.91	2.63	31.0	0.08	0.05	7.18	7.23	0.04	1.82	1.87	—	7,719	7,719	0.37	0.31	21.3	7,842
Health Club	1.67	1.12	13.3	0.03	0.02	3.08	3.10	0.02	0.78	0.80	—	3,306	3,306	0.16	0.13	9.12	3,358
Regional Shopping Center	4.88	2.42	26.3	0.05	0.04	5.06	5.10	0.03	1.29	1.32	—	5,586	5,586	0.37	0.27	15.0	5,692
General Office Building	4.17	2.80	33.1	0.08	0.05	7.66	7.71	0.05	1.95	1.99	—	8,230	8,230	0.40	0.33	22.7	8,360
Enclosed Parking with Elevator	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
Parking Lot	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
Total	16.8	10.5	122	0.29	0.18	27.2	27.4	0.16	6.91	7.07	—	29,365	29,365	1.52	1.21	80.7	29,846
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.12	0.91	9.20	0.02	0.01	2.41	2.42	0.01	0.61	0.63	—	2,468	2,468	0.12	0.10	0.19	2,502
Hotel	0.98	0.73	7.27	0.02	0.01	1.81	1.83	0.01	0.46	0.47	—	1,870	1,870	0.10	0.08	0.14	1,896
Quality Restaurant	3.86	2.87	28.8	0.07	0.05	7.18	7.23	0.04	1.82	1.87	—	7,401	7,401	0.39	0.32	0.55	7,508
Health Club	1.65	1.23	12.3	0.03	0.02	3.08	3.10	0.02	0.78	0.80	—	3,169	3,169	0.17	0.14	0.24	3,215

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Regional Shopping Center	4.83	2.64	25.7	0.05	0.04	5.06	5.10	0.03	1.29	1.32	—	5,364	5,364	0.40	0.29	0.39	5,460
General Office Building	4.12	3.06	30.7	0.08	0.05	7.66	7.71	0.05	1.95	1.99	—	7,890	7,890	0.42	0.34	0.59	8,004
Enclosed Parking with Elevator	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
Parking Lot	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
Total	16.6	11.4	114	0.28	0.18	27.2	27.4	0.16	6.91	7.07	—	28,162	28,162	1.59	1.28	2.09	28,584
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.19	0.16	1.64	< 0.005	< 0.005	0.41	0.42	< 0.005	0.10	0.11	—	393	393	0.02	0.02	0.49	399
Hotel	0.17	0.13	1.30	< 0.005	< 0.005	0.31	0.31	< 0.005	0.08	0.08	—	299	299	0.02	0.01	0.37	304
Quality Restaurant	0.59	0.34	3.36	0.01	< 0.005	0.67	0.68	< 0.005	0.17	0.18	—	658	658	0.05	0.03	0.79	670
Health Club	0.28	0.21	2.12	0.01	< 0.005	0.51	0.51	< 0.005	0.13	0.13	—	489	489	0.03	0.02	0.60	496
Regional Shopping Center	0.69	0.37	3.59	0.01	< 0.005	0.67	0.67	< 0.005	0.17	0.17	—	660	660	0.05	0.04	0.78	673
General Office Building	0.56	0.43	4.34	0.01	0.01	1.04	1.05	0.01	0.27	0.27	—	1,000	1,000	0.05	0.04	1.23	1,016
Enclosed Parking with Elevator	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
Parking Lot	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
Total	2.48	1.63	16.3	0.04	0.02	3.62	3.64	0.02	0.92	0.94	—	3,499	3,499	0.21	0.16	4.26	3,557

## 4.2. Energy

### 4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	212	212	0.02	< 0.005	—	213
Hotel	—	—	—	—	—	—	—	—	—	—	—	525	525	0.05	0.01	—	528
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	454	454	0.04	0.01	—	457
Health Club	—	—	—	—	—	—	—	—	—	—	—	158	158	0.02	< 0.005	—	159
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	374	374	0.04	< 0.005	—	376
General Office Building	—	—	—	—	—	—	—	—	—	—	—	2,189	2,189	0.21	0.03	—	2,202
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	1,312	1,312	0.13	0.02	—	1,320
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	5,225	5,225	0.50	0.06	—	5,255
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	212	212	0.02	< 0.005	—	213
Hotel	—	—	—	—	—	—	—	—	—	—	—	525	525	0.05	0.01	—	528
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	454	454	0.04	0.01	—	457
Health Club	—	—	—	—	—	—	—	—	—	—	—	158	158	0.02	< 0.005	—	159
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	374	374	0.04	< 0.005	—	376
General Office Building	—	—	—	—	—	—	—	—	—	—	—	2,189	2,189	0.21	0.03	—	2,202
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	1,312	1,312	0.13	0.02	—	1,320
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	5,225	5,225	0.50	0.06	—	5,255
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	35.1	35.1	< 0.005	< 0.005	—	35.3
Hotel	—	—	—	—	—	—	—	—	—	—	—	87.0	87.0	0.01	< 0.005	—	87.5
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	75.2	75.2	0.01	< 0.005	—	75.6
Health Club	—	—	—	—	—	—	—	—	—	—	—	26.2	26.2	< 0.005	< 0.005	—	26.3
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	61.9	61.9	0.01	< 0.005	—	62.2

General Office Building	—	—	—	—	—	—	—	—	—	—	—	362	362	0.03	< 0.005	—	365
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	217	217	0.02	< 0.005	—	219
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	865	865	0.08	0.01	—	870

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	212	212	0.02	< 0.005	—	213
Hotel	—	—	—	—	—	—	—	—	—	—	—	525	525	0.05	0.01	—	528
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	454	454	0.04	0.01	—	457
Health Club	—	—	—	—	—	—	—	—	—	—	—	158	158	0.02	< 0.005	—	159
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	374	374	0.04	< 0.005	—	376
General Office Building	—	—	—	—	—	—	—	—	—	—	—	2,189	2,189	0.21	0.03	—	2,202

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	1,312	1,312	0.13	0.02	—	1,320
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	5,225	5,225	0.50	0.06	—	5,255
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	212	212	0.02	< 0.005	—	213
Hotel	—	—	—	—	—	—	—	—	—	—	—	525	525	0.05	0.01	—	528
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	454	454	0.04	0.01	—	457
Health Club	—	—	—	—	—	—	—	—	—	—	—	158	158	0.02	< 0.005	—	159
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	374	374	0.04	< 0.005	—	376
General Office Building	—	—	—	—	—	—	—	—	—	—	—	2,189	2,189	0.21	0.03	—	2,202
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	1,312	1,312	0.13	0.02	—	1,320
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	5,225	5,225	0.50	0.06	—	5,255
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	35.1	35.1	< 0.005	< 0.005	—	35.3

Hotel	—	—	—	—	—	—	—	—	—	—	—	87.0	87.0	0.01	< 0.005	—	87.5
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	75.2	75.2	0.01	< 0.005	—	75.6
Health Club	—	—	—	—	—	—	—	—	—	—	—	26.2	26.2	< 0.005	< 0.005	—	26.3
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	61.9	61.9	0.01	< 0.005	—	62.2
General Office Building	—	—	—	—	—	—	—	—	—	—	—	362	362	0.03	< 0.005	—	365
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	217	217	0.02	< 0.005	—	219
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	865	865	0.08	0.01	—	870

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.01	0.17	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	216	216	0.02	< 0.005	—	217
Hotel	0.02	0.31	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	—	368	368	0.03	< 0.005	—	369
Quality Restaurant	0.02	0.37	0.31	< 0.005	0.03	—	0.03	0.03	—	0.03	—	446	446	0.04	< 0.005	—	448
Health Club	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	195	195	0.02	< 0.005	—	195



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Regional Shopping Center	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	62.5	62.5	0.01	< 0.005	—	62.6
General Office Building	0.04	0.78	0.66	< 0.005	0.06	—	0.06	0.06	—	0.06	—	933	933	0.08	< 0.005	—	936
Enclosed Parking with Elevator	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
Parking Lot	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
Total	0.10	1.85	1.48	0.01	0.14	—	0.14	0.14	—	0.14	—	2,221	2,221	0.20	< 0.005	—	2,227
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.01	0.17	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	216	216	0.02	< 0.005	—	217
Hotel	0.02	0.31	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	—	368	368	0.03	< 0.005	—	369
Quality Restaurant	0.02	0.37	0.31	< 0.005	0.03	—	0.03	0.03	—	0.03	—	446	446	0.04	< 0.005	—	448
Health Club	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	195	195	0.02	< 0.005	—	195
Regional Shopping Center	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	62.5	62.5	0.01	< 0.005	—	62.6
General Office Building	0.04	0.78	0.66	< 0.005	0.06	—	0.06	0.06	—	0.06	—	933	933	0.08	< 0.005	—	936
Enclosed Parking with Elevator	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
Parking Lot	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

Total	0.10	1.85	1.48	0.01	0.14	—	0.14	0.14	—	0.14	—	2,221	2,221	0.20	< 0.005	—	2,227
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts Mid Rise	< 0.005	0.03	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	35.8	35.8	< 0.005	< 0.005	—	35.9
Hotel	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	60.9	60.9	0.01	< 0.005	—	61.1
Quality Restaurant	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	73.9	73.9	0.01	< 0.005	—	74.1
Health Club	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	32.3	32.3	< 0.005	< 0.005	—	32.4
Regional Shopping Center	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.3	10.3	< 0.005	< 0.005	—	10.4
General Office Building	0.01	0.14	0.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	154	154	0.01	< 0.005	—	155
Enclosed Parking with Elevator	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
Parking Lot	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
Total	0.02	0.34	0.27	< 0.005	0.03	—	0.03	0.03	—	0.03	—	368	368	0.03	< 0.005	—	369

#### 4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts Mid Rise	0.01	0.17	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	216	216	0.02	< 0.005	—	217

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Hotel	0.02	0.31	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	—	368	368	0.03	< 0.005	—	369
Quality Restaurant	0.02	0.37	0.31	< 0.005	0.03	—	0.03	0.03	—	0.03	—	446	446	0.04	< 0.005	—	448
Health Club	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	195	195	0.02	< 0.005	—	195
Regional Shopping Center	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	62.5	62.5	0.01	< 0.005	—	62.6
General Office Building	0.04	0.78	0.66	< 0.005	0.06	—	0.06	0.06	—	0.06	—	933	933	0.08	< 0.005	—	936
Enclosed Parking with Elevator	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
Parking Lot	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
Total	0.10	1.85	1.48	0.01	0.14	—	0.14	0.14	—	0.14	—	2,221	2,221	0.20	< 0.005	—	2,227
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.01	0.17	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	216	216	0.02	< 0.005	—	217
Hotel	0.02	0.31	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	—	368	368	0.03	< 0.005	—	369
Quality Restaurant	0.02	0.37	0.31	< 0.005	0.03	—	0.03	0.03	—	0.03	—	446	446	0.04	< 0.005	—	448
Health Club	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	195	195	0.02	< 0.005	—	195
Regional Shopping Center	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	62.5	62.5	0.01	< 0.005	—	62.6
General Office Building	0.04	0.78	0.66	< 0.005	0.06	—	0.06	0.06	—	0.06	—	933	933	0.08	< 0.005	—	936

Enclosed Parking with Elevator	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
Parking Lot	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
Total	0.10	1.85	1.48	0.01	0.14	—	0.14	0.14	—	0.14	—	2,221	2,221	0.20	< 0.005	—	2,227
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	< 0.005	0.03	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	35.8	35.8	< 0.005	< 0.005	—	35.9
Hotel	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	60.9	60.9	0.01	< 0.005	—	61.1
Quality Restaurant	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	73.9	73.9	0.01	< 0.005	—	74.1
Health Club	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	32.3	32.3	< 0.005	< 0.005	—	32.4
Regional Shopping Center	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.3	10.3	< 0.005	< 0.005	—	10.4
General Office Building	0.01	0.14	0.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	154	154	0.01	< 0.005	—	155
Enclosed Parking with Elevator	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
Parking Lot	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
Total	0.02	0.34	0.27	< 0.005	0.03	—	0.03	0.03	—	0.03	—	368	368	0.03	< 0.005	—	369

### 4.3. Area Emissions by Source

#### 4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	17.8	1.41	34.6	0.09	4.85	—	4.85	4.77	—	4.77	637	1,217	1,854	1.90	0.02	—	1,908
Consumer Products	10.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscaping Equipment	4.90	0.27	31.6	< 0.005	0.05	—	0.05	0.04	—	0.04	—	125	125	0.01	< 0.005	—	125
Total	34.1	1.68	66.2	0.09	4.91	—	4.91	4.80	—	4.80	637	1,342	1,979	1.90	0.02	—	2,033
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	17.8	1.41	34.6	0.09	4.85	—	4.85	4.77	—	4.77	637	1,217	1,854	1.90	0.02	—	1,908
Consumer Products	10.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	29.2	1.41	34.6	0.09	4.85	—	4.85	4.77	—	4.77	637	1,217	1,854	1.90	0.02	—	1,908
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.22	0.02	0.43	< 0.005	0.06	—	0.06	0.06	—	0.06	7.22	13.8	21.0	0.02	< 0.005	—	21.6
Consumer Products	1.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.61	0.03	3.95	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	14.1	14.1	< 0.005	< 0.005	—	14.2
Total	2.92	0.05	4.39	< 0.005	0.07	—	0.07	0.06	—	0.06	7.22	27.9	35.1	0.02	< 0.005	—	35.8

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	17.8	1.41	34.6	0.09	4.85	—	4.85	4.77	—	4.77	637	1,217	1,854	1.90	0.02	—	1,908
Consumer Products	10.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.90	0.27	31.6	< 0.005	0.05	—	0.05	0.04	—	0.04	—	125	125	0.01	< 0.005	—	125
Total	34.1	1.68	66.2	0.09	4.91	—	4.91	4.80	—	4.80	637	1,342	1,979	1.90	0.02	—	2,033
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	17.8	1.41	34.6	0.09	4.85	—	4.85	4.77	—	4.77	637	1,217	1,854	1.90	0.02	—	1,908
Consumer Products	10.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	1.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	29.2	1.41	34.6	0.09	4.85	—	4.85	4.77	—	4.77	637	1,217	1,854	1.90	0.02	—	1,908
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.22	0.02	0.43	< 0.005	0.06	—	0.06	0.06	—	0.06	7.22	13.8	21.0	0.02	< 0.005	—	21.6
Consumer Products	1.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscaping Equipment	0.61	0.03	3.95	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	14.1	14.1	< 0.005	< 0.005	—	14.2
Total	2.92	0.05	4.39	< 0.005	0.07	—	0.07	0.06	—	0.06	7.22	27.9	35.1	0.02	< 0.005	—	35.8

### 4.4. Water Emissions by Land Use

#### 4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.86	16.4	21.2	0.50	0.01	—	37.3
Hotel	—	—	—	—	—	—	—	—	—	—	1.94	6.55	8.50	0.20	< 0.005	—	14.9
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	8.55	28.8	37.4	0.88	0.02	—	65.7
Health Club	—	—	—	—	—	—	—	—	—	—	1.95	6.57	8.52	0.20	< 0.005	—	15.0

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	5.62	18.9	24.5	0.58	0.01	—	43.1
General Office Building	—	—	—	—	—	—	—	—	—	—	49.4	166	216	5.08	0.12	—	379
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	72.3	244	316	7.43	0.18	—	555
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.86	16.4	21.2	0.50	0.01	—	37.3
Hotel	—	—	—	—	—	—	—	—	—	—	1.94	6.55	8.50	0.20	< 0.005	—	14.9
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	8.55	28.8	37.4	0.88	0.02	—	65.7
Health Club	—	—	—	—	—	—	—	—	—	—	1.95	6.57	8.52	0.20	< 0.005	—	15.0
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	5.62	18.9	24.5	0.58	0.01	—	43.1
General Office Building	—	—	—	—	—	—	—	—	—	—	49.4	166	216	5.08	0.12	—	379
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00



Total	—	—	—	—	—	—	—	—	—	—	72.3	244	316	7.43	0.18	—	555
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts Mid Rise	—	—	—	—	—	—	—	—	—	—	0.80	2.71	3.51	0.08	< 0.005	—	6.17
Hotel	—	—	—	—	—	—	—	—	—	—	0.32	1.08	1.41	0.03	< 0.005	—	2.47
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	1.42	4.77	6.19	0.15	< 0.005	—	10.9
Health Club	—	—	—	—	—	—	—	—	—	—	0.32	1.09	1.41	0.03	< 0.005	—	2.48
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	0.93	3.13	4.06	0.10	< 0.005	—	7.14
General Office Building	—	—	—	—	—	—	—	—	—	—	8.17	27.5	35.7	0.84	0.02	—	62.7
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	12.0	40.3	52.3	1.23	0.03	—	91.9

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts Mid Rise	—	—	—	—	—	—	—	—	—	—	4.86	16.4	21.2	0.50	0.01	—	37.3

Hotel	—	—	—	—	—	—	—	—	—	—	1.94	6.55	8.50	0.20	< 0.005	—	14.9
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	8.55	28.8	37.4	0.88	0.02	—	65.7
Health Club	—	—	—	—	—	—	—	—	—	—	1.95	6.57	8.52	0.20	< 0.005	—	15.0
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	5.62	18.9	24.5	0.58	0.01	—	43.1
General Office Building	—	—	—	—	—	—	—	—	—	—	49.4	166	216	5.08	0.12	—	379
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	72.3	244	316	7.43	0.18	—	555
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.86	16.4	21.2	0.50	0.01	—	37.3
Hotel	—	—	—	—	—	—	—	—	—	—	1.94	6.55	8.50	0.20	< 0.005	—	14.9
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	8.55	28.8	37.4	0.88	0.02	—	65.7
Health Club	—	—	—	—	—	—	—	—	—	—	1.95	6.57	8.52	0.20	< 0.005	—	15.0
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	5.62	18.9	24.5	0.58	0.01	—	43.1
General Office Building	—	—	—	—	—	—	—	—	—	—	49.4	166	216	5.08	0.12	—	379

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	72.3	244	316	7.43	0.18	—	555
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.80	2.71	3.51	0.08	< 0.005	—	6.17
Hotel	—	—	—	—	—	—	—	—	—	—	0.32	1.08	1.41	0.03	< 0.005	—	2.47
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	1.42	4.77	6.19	0.15	< 0.005	—	10.9
Health Club	—	—	—	—	—	—	—	—	—	—	0.32	1.09	1.41	0.03	< 0.005	—	2.48
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	0.93	3.13	4.06	0.10	< 0.005	—	7.14
General Office Building	—	—	—	—	—	—	—	—	—	—	8.17	27.5	35.7	0.84	0.02	—	62.7
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	12.0	40.3	52.3	1.23	0.03	—	91.9

## 4.5. Waste Emissions by Land Use

### 4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	27.1	0.00	27.1	2.70	0.00	—	94.7
Hotel	—	—	—	—	—	—	—	—	—	—	11.8	0.00	11.8	1.18	0.00	—	41.3
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	7.23	0.00	7.23	0.72	0.00	—	25.3
Health Club	—	—	—	—	—	—	—	—	—	—	52.9	0.00	52.9	5.29	0.00	—	185
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	22.4	0.00	22.4	2.24	0.00	—	78.4
General Office Building	—	—	—	—	—	—	—	—	—	—	72.6	0.00	72.6	7.26	0.00	—	254
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	194	0.00	194	19.4	0.00	—	679
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	27.1	0.00	27.1	2.70	0.00	—	94.7
Hotel	—	—	—	—	—	—	—	—	—	—	11.8	0.00	11.8	1.18	0.00	—	41.3
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	7.23	0.00	7.23	0.72	0.00	—	25.3

Health Club	—	—	—	—	—	—	—	—	—	—	52.9	0.00	52.9	5.29	0.00	—	185
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	22.4	0.00	22.4	2.24	0.00	—	78.4
General Office Building	—	—	—	—	—	—	—	—	—	—	72.6	0.00	72.6	7.26	0.00	—	254
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	194	0.00	194	19.4	0.00	—	679
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.48	0.00	4.48	0.45	0.00	—	15.7
Hotel	—	—	—	—	—	—	—	—	—	—	1.95	0.00	1.95	0.20	0.00	—	6.84
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	1.20	0.00	1.20	0.12	0.00	—	4.19
Health Club	—	—	—	—	—	—	—	—	—	—	8.76	0.00	8.76	0.88	0.00	—	30.6
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	3.71	0.00	3.71	0.37	0.00	—	13.0
General Office Building	—	—	—	—	—	—	—	—	—	—	12.0	0.00	12.0	1.20	0.00	—	42.1
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	32.1	0.00	32.1	3.21	0.00	—	112

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	27.1	0.00	27.1	2.70	0.00	—	94.7
Hotel	—	—	—	—	—	—	—	—	—	—	11.8	0.00	11.8	1.18	0.00	—	41.3
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	7.23	0.00	7.23	0.72	0.00	—	25.3
Health Club	—	—	—	—	—	—	—	—	—	—	52.9	0.00	52.9	5.29	0.00	—	185
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	22.4	0.00	22.4	2.24	0.00	—	78.4
General Office Building	—	—	—	—	—	—	—	—	—	—	72.6	0.00	72.6	7.26	0.00	—	254
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	194	0.00	194	19.4	0.00	—	679
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartment Mid Rise	—	—	—	—	—	—	—	—	—	—	27.1	0.00	27.1	2.70	0.00	—	94.7
Hotel	—	—	—	—	—	—	—	—	—	—	11.8	0.00	11.8	1.18	0.00	—	41.3
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	7.23	0.00	7.23	0.72	0.00	—	25.3
Health Club	—	—	—	—	—	—	—	—	—	—	52.9	0.00	52.9	5.29	0.00	—	185
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	22.4	0.00	22.4	2.24	0.00	—	78.4
General Office Building	—	—	—	—	—	—	—	—	—	—	72.6	0.00	72.6	7.26	0.00	—	254
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	194	0.00	194	19.4	0.00	—	679
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartment Mid Rise	—	—	—	—	—	—	—	—	—	—	4.48	0.00	4.48	0.45	0.00	—	15.7
Hotel	—	—	—	—	—	—	—	—	—	—	1.95	0.00	1.95	0.20	0.00	—	6.84
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	1.20	0.00	1.20	0.12	0.00	—	4.19
Health Club	—	—	—	—	—	—	—	—	—	—	8.76	0.00	8.76	0.88	0.00	—	30.6
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	3.71	0.00	3.71	0.37	0.00	—	13.0
General Office Building	—	—	—	—	—	—	—	—	—	—	12.0	0.00	12.0	1.20	0.00	—	42.1

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	32.1	0.00	32.1	3.21	0.00	—	112

### 4.6. Refrigerant Emissions by Land Use

#### 4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.59	1.59
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	74.1	74.1
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	23.0	23.0
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35	0.35
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	99.3	99.3



Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.59	1.59
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	74.1	74.1
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	23.0	23.0
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35	0.35
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	99.3	99.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12.3	12.3
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.81	3.81
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16.4	16.4

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.59	1.59
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	74.1	74.1
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	23.0	23.0
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35	0.35
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	99.3	99.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.59	1.59
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	74.1	74.1
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	23.0	23.0
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35	0.35
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	99.3	99.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12.3	12.3
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.81	3.81
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16.4	16.4

### 4.7. Offroad Emissions By Equipment Type

#### 4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
----------------	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipme Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipme nt Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

### 4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

### 4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

### 4.10. Soil Carbon Accumulation By Vegetation Type

#### 4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

#### 4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## 5. Activity Data

### 5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	10/1/2025	11/30/2025	5.00	43.0	—
Excavation	Grading	12/1/2025	3/31/2027	5.00	348	—
Excavation - Soil Export	Grading	12/1/2025	5/31/2026	5.00	130	—
24 - Hour Construction	Grading	4/23/2026	5/29/2026	5.00	27.0	—
Building Construction	Building Construction	4/1/2027	7/31/2028	5.00	348	—
Construction Workers	Building Construction	10/1/2025	9/30/2028	5.00	783	—
Utility Relocation	Paving	8/1/2024	9/30/2025	5.00	304	—
Paving	Paving	8/1/2028	9/30/2028	5.00	44.0	—

### 5.2. Off-Road Equipment

#### 5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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Demolition	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	2.00	10.0	33.0	0.73
Demolition	Excavators	Diesel	Average	1.00	10.0	36.0	0.38
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	1.00	10.0	84.0	0.37
Demolition	Air Compressors	Diesel	Average	2.00	10.0	37.0	0.48
Demolition	Crawler Tractors	Diesel	Average	2.00	10.0	87.0	0.43
Demolition	Crushing/Proc. Equipment	Gasoline	Average	1.00	10.0	12.0	0.85
Demolition	Rubber Tired Loaders	Diesel	Average	1.00	10.0	150	0.36
Demolition	Off-Highway Trucks	Diesel	Average	4.00	10.0	376	0.38
Excavation	Graders	Diesel	Average	0.00	8.00	148	0.41
Excavation	Excavators	Diesel	Average	1.00	10.0	50.0	0.38
Excavation	Tractors/Loaders/Backhoes	Diesel	Average	3.00	10.0	84.0	0.37
Excavation	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Excavation	Bore/Drill Rigs	Diesel	Average	2.00	10.0	83.0	0.50
Excavation	Concrete/Industrial Saws	Diesel	Average	2.00	10.0	33.0	0.73
Excavation	Air Compressors	Diesel	Average	2.00	10.0	37.0	0.48
Excavation	Crawler Tractors	Diesel	Average	2.00	10.0	87.0	0.43
Excavation	Rubber Tired Loaders	Diesel	Average	1.00	10.0	150	0.36
Excavation	Off-Highway Trucks	Diesel	Average	6.00	10.0	376	0.38
Excavation - Soil Export	Graders	Diesel	Average	0.00	8.00	148	0.41
Excavation - Soil Export	Excavators	Diesel	Average	0.00	8.00	36.0	0.38
Excavation - Soil Export	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Excavation - Soil Export	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
24 - Hour Construction	Graders	Diesel	Average	0.00	8.00	148	0.41

24 - Hour Construction	Excavators	Diesel	Average	1.00	14.0	36.0	0.38
24 - Hour Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	14.0	84.0	0.37
24 - Hour Construction	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
24 - Hour Construction	Bore/Drill Rigs	Diesel	Average	2.00	14.0	83.0	0.50
24 - Hour Construction	Concrete/Industrial Saws	Diesel	Average	2.00	14.0	33.0	0.73
24 - Hour Construction	Air Compressors	Diesel	Average	2.00	14.0	37.0	0.48
24 - Hour Construction	Crawler Tractors	Diesel	Average	2.00	14.0	87.0	0.43
24 - Hour Construction	Rubber Tired Loaders	Diesel	Average	1.00	14.0	150	0.36
24 - Hour Construction	Off-Highway Trucks	Diesel	Average	6.00	14.0	376	0.38
Building Construction	Cranes	Electric	Average	4.00	10.0	367	0.29
Building Construction	Forklifts	Diesel	Average	0.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	0.00	8.00	14.0	0.74
Building Construction	Welders	Electric	Average	6.00	10.0	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	2.00	10.0	84.0	0.37
Building Construction	Plate Compactors	Diesel	Average	2.00	10.0	8.00	0.43
Building Construction	Rubber Tired Dozers	Diesel	Average	2.00	10.0	367	0.40
Building Construction	Excavators	Diesel	Average	2.00	10.0	36.0	0.38
Building Construction	Pumps	Diesel	Average	2.00	10.0	11.0	0.74
Building Construction	Trenchers	Diesel	Average	2.00	10.0	40.0	0.50
Building Construction	Aerial Lifts	Electric	Average	6.00	10.0	46.0	0.31
Construction Workers	Cranes	Diesel	Average	0.00	7.00	367	0.29
Construction Workers	Forklifts	Diesel	Average	0.00	8.00	82.0	0.20
Construction Workers	Generator Sets	Diesel	Average	0.00	8.00	14.0	0.74
Construction Workers	Welders	Diesel	Average	0.00	8.00	46.0	0.45
Construction Workers	Tractors/Loaders/Backhoes	Diesel	Average	0.00	7.00	84.0	0.37

Utility Relocation	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Utility Relocation	Cement and Mortar Mixers	Diesel	Average	1.00	10.0	10.0	0.56
Utility Relocation	Pavers	Diesel	Average	1.00	10.0	81.0	0.42
Utility Relocation	Paving Equipment	Diesel	Average	1.00	10.0	89.0	0.36
Utility Relocation	Rollers	Diesel	Average	0.00	6.00	36.0	0.38
Utility Relocation	Generator Sets	Diesel	Average	2.00	10.0	14.0	0.74
Utility Relocation	Excavators	Diesel	Average	1.00	10.0	36.0	0.38
Utility Relocation	Concrete/Industrial Saws	Diesel	Average	1.00	10.0	33.0	0.73
Paving	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	10.0	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	10.0	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	10.0	89.0	0.36
Paving	Rollers	Diesel	Average	0.00	6.00	36.0	0.38
Paving	Pressure Washers	Diesel	Average	1.00	10.0	14.0	0.30
Paving	Sweepers/Scrubbers	Diesel	Average	1.00	10.0	36.0	0.46
Paving	Forklifts	CNG	Average	3.00	10.0	70.0	0.30
Paving	Dumpers/Tenders	Diesel	Average	2.00	10.0	16.0	0.38

### 5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	2.00	10.0	33.0	0.73
Demolition	Excavators	Diesel	Tier 4 Final	1.00	10.0	36.0	0.38

Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	10.0	84.0	0.37
Demolition	Air Compressors	Diesel	Average	2.00	10.0	37.0	0.48
Demolition	Crawler Tractors	Diesel	Tier 4 Final	2.00	10.0	87.0	0.43
Demolition	Crushing/Proc. Equipment	Gasoline	Average	1.00	10.0	12.0	0.85
Demolition	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	10.0	150	0.36
Demolition	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	10.0	376	0.38
Excavation	Graders	Diesel	Average	0.00	8.00	148	0.41
Excavation	Excavators	Diesel	Tier 4 Final	1.00	10.0	50.0	0.38
Excavation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	10.0	84.0	0.37
Excavation	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Excavation	Bore/Drill Rigs	Diesel	Tier 4 Final	2.00	10.0	83.0	0.50
Excavation	Concrete/Industrial Saws	Diesel	Tier 4 Final	2.00	10.0	33.0	0.73
Excavation	Air Compressors	Diesel	Tier 4 Final	2.00	10.0	37.0	0.48
Excavation	Crawler Tractors	Diesel	Tier 4 Final	2.00	10.0	87.0	0.43
Excavation	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	10.0	150	0.36
Excavation	Off-Highway Trucks	Diesel	Tier 4 Final	6.00	10.0	376	0.38
Excavation - Soil Export	Graders	Diesel	Average	0.00	8.00	148	0.41
Excavation - Soil Export	Excavators	Diesel	Average	0.00	8.00	36.0	0.38
Excavation - Soil Export	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Excavation - Soil Export	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
24 - Hour Construction	Graders	Diesel	Average	0.00	8.00	148	0.41
24 - Hour Construction	Excavators	Diesel	Tier 4 Final	1.00	14.0	36.0	0.38
24 - Hour Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	14.0	84.0	0.37
24 - Hour Construction	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40

24 - Hour Construction	Bore/Drill Rigs	Diesel	Tier 4 Final	2.00	14.0	83.0	0.50
24 - Hour Construction	Concrete/Industrial Saws	Diesel	Tier 4 Final	2.00	14.0	33.0	0.73
24 - Hour Construction	Air Compressors	Diesel	Tier 4 Final	2.00	14.0	37.0	0.48
24 - Hour Construction	Crawler Tractors	Diesel	Tier 4 Final	2.00	14.0	87.0	0.43
24 - Hour Construction	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	14.0	150	0.36
24 - Hour Construction	Off-Highway Trucks	Diesel	Tier 4 Final	6.00	14.0	376	0.38
Building Construction	Cranes	Electric	Average	4.00	10.0	367	0.29
Building Construction	Forklifts	Diesel	Average	0.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	0.00	8.00	14.0	0.74
Building Construction	Welders	Electric	Average	6.00	10.0	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	10.0	84.0	0.37
Building Construction	Plate Compactors	Diesel	Average	2.00	10.0	8.00	0.43
Building Construction	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	10.0	367	0.40
Building Construction	Excavators	Diesel	Average	1.00	10.0	36.0	0.38
Building Construction	Excavators	Diesel	Tier 4 Final	1.00	10.0	36.0	0.38
Building Construction	Pumps	Diesel	Average	2.00	10.0	11.0	0.74
Building Construction	Trenchers	Diesel	Average	2.00	10.0	40.0	0.50
Building Construction	Aerial Lifts	Electric	Average	6.00	10.0	46.0	0.31
Construction Workers	Cranes	Diesel	Average	0.00	7.00	367	0.29
Construction Workers	Forklifts	Diesel	Average	0.00	8.00	82.0	0.20
Construction Workers	Generator Sets	Diesel	Average	0.00	8.00	14.0	0.74
Construction Workers	Welders	Diesel	Average	0.00	8.00	46.0	0.45
Construction Workers	Tractors/Loaders/Backhoes	Diesel	Average	0.00	7.00	84.0	0.37
Utility Relocation	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37



Utility Relocation	Cement and Mortar Mixers	Diesel	Average	1.00	10.0	10.0	0.56
Utility Relocation	Pavers	Diesel	Average	1.00	10.0	81.0	0.42
Utility Relocation	Paving Equipment	Diesel	Average	1.00	10.0	89.0	0.36
Utility Relocation	Rollers	Diesel	Average	0.00	6.00	36.0	0.38
Utility Relocation	Generator Sets	Diesel	Average	2.00	10.0	14.0	0.74
Utility Relocation	Excavators	Diesel	Tier 4 Final	1.00	10.0	36.0	0.38
Utility Relocation	Concrete/Industrial Saws	Diesel	Average	1.00	10.0	33.0	0.73
Paving	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	10.0	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	10.0	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	10.0	89.0	0.36
Paving	Rollers	Diesel	Average	0.00	6.00	36.0	0.38
Paving	Pressure Washers	Diesel	Average	1.00	10.0	14.0	0.30
Paving	Sweepers/Scrubbers	Diesel	Average	1.00	10.0	36.0	0.46
Paving	Forklifts	CNG	Average	3.00	10.0	70.0	0.30
Paving	Dumpers/Tenders	Diesel	Average	2.00	10.0	16.0	0.38

### 5.3. Construction Vehicles

#### 5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Utility Relocation	—	—	—	—
Utility Relocation	Worker	17.5	18.5	LDA,LDT1,LDT2
Utility Relocation	Vendor	—	10.2	HHDT,MHDT
Utility Relocation	Hauling	0.00	20.0	HHDT

Utility Relocation	Onsite truck	—	—	HHDT
Demolition	—	—	—	—
Demolition	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	9.73	65.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Excavation	—	—	—	—
Excavation	Worker	0.00	18.5	LDA,LDT1,LDT2
Excavation	Vendor	—	10.2	HHDT,MHDT
Excavation	Hauling	0.00	20.0	HHDT
Excavation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Excavation - Soil Export	—	—	—	—
Excavation - Soil Export	Worker	0.00	18.5	LDA,LDT1,LDT2
Excavation - Soil Export	Vendor	—	10.2	HHDT,MHDT
Excavation - Soil Export	Hauling	240	65.0	HHDT
Excavation - Soil Export	Onsite truck	—	—	HHDT
Construction Workers	—	—	—	—

Construction Workers	Worker	350	18.5	LDA,LDT1,LDT2
Construction Workers	Vendor	112	10.2	HHDT,MHDT
Construction Workers	Hauling	0.00	20.0	HHDT
Construction Workers	Onsite truck	0.00	—	HHDT
24 - Hour Construction	—	—	—	—
24 - Hour Construction	Worker	47.5	12.6	LDA,LDT1,LDT2
24 - Hour Construction	Vendor	—	7.75	HHDT,MHDT
24 - Hour Construction	Hauling	0.00	20.0	HHDT
24 - Hour Construction	Onsite truck	—	—	HHDT

### 5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Utility Relocation	—	—	—	—
Utility Relocation	Worker	17.5	18.5	LDA,LDT1,LDT2
Utility Relocation	Vendor	—	10.2	HHDT,MHDT
Utility Relocation	Hauling	0.00	20.0	HHDT
Utility Relocation	Onsite truck	—	—	HHDT
Demolition	—	—	—	—
Demolition	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	9.73	65.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Excavation	—	—	—	—
Excavation	Worker	0.00	18.5	LDA,LDT1,LDT2
Excavation	Vendor	—	10.2	HHDT,MHDT
Excavation	Hauling	0.00	20.0	HHDT
Excavation	Onsite truck	—	—	HHDT

Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Excavation - Soil Export	—	—	—	—
Excavation - Soil Export	Worker	0.00	18.5	LDA,LDT1,LDT2
Excavation - Soil Export	Vendor	—	10.2	HHDT,MHDT
Excavation - Soil Export	Hauling	240	65.0	HHDT
Excavation - Soil Export	Onsite truck	—	—	HHDT
Construction Workers	—	—	—	—
Construction Workers	Worker	350	18.5	LDA,LDT1,LDT2
Construction Workers	Vendor	112	10.2	HHDT,MHDT
Construction Workers	Hauling	0.00	20.0	HHDT
Construction Workers	Onsite truck	0.00	—	HHDT
24 - Hour Construction	—	—	—	—
24 - Hour Construction	Worker	47.5	12.6	LDA,LDT1,LDT2
24 - Hour Construction	Vendor	—	7.75	HHDT,MHDT
24 - Hour Construction	Hauling	0.00	20.0	HHDT
24 - Hour Construction	Onsite truck	—	—	HHDT

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

### 5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Building Construction	448,732	149,577	395,718	131,906	—

### 5.6. Dust Mitigation

#### 5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	116,445	—
Excavation	0.00	0.00	435	0.00	—
Excavation - Soil Export	0.00	198,950	0.00	0.00	—
24 - Hour Construction	0.00	0.00	1.75	0.00	—
Utility Relocation	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00

#### 5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

### 5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
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Apartments Mid Rise	—	0%
Hotel	0.00	0%
Quality Restaurant	0.00	0%
Health Club	0.00	0%
Regional Shopping Center	0.00	0%
General Office Building	0.00	0%
Enclosed Parking with Elevator	0.00	100%
Parking Lot	0.00	100%

## 5.8. Construction Electricity Consumption and Emissions Factors

### kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	349	0.03	< 0.005
2025	0.00	349	0.03	< 0.005
2026	0.00	346	0.03	< 0.005
2027	4,739	346	0.03	< 0.005
2028	4,739	346	0.03	< 0.005

## 5.9. Operational Mobile Sources

### 5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	370	334	278	128,355	3,395	3,064	2,552	1,177,875
Hotel	334	328	238	116,675	2,559	2,507	1,821	892,722
Quality Restaurant	1,233	1,324	1,058	445,588	3,716	10,129	8,096	1,919,074
Health Club	567	359	460	190,524	4,337	2,749	3,521	1,457,768

Regional Shopping Center	1,494	1,825	835	528,261	5,225	7,134	3,264	1,904,399
General Office Building	1,411	320	101	389,947	10,799	2,450	776	2,983,629
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VM/Weekday	VM/Saturday	VM/Sunday	VM/Year
Apartments Mid Rise	370	334	278	128,355	3,395	3,064	2,552	1,177,875
Hotel	334	328	238	116,675	2,559	2,507	1,821	892,722
Quality Restaurant	1,233	1,324	1,058	445,588	3,716	10,129	8,096	1,919,074
Health Club	567	359	460	190,524	4,337	2,749	3,521	1,457,768
Regional Shopping Center	1,494	1,825	835	528,261	5,225	7,134	3,264	1,904,399
General Office Building	1,411	320	101	389,947	10,799	2,450	776	2,983,629
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	3

Gas Fireplaces	58
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	7
Conventional Wood Stoves	0
Catalytic Wood Stoves	3
Non-Catalytic Wood Stoves	3
Pellet Wood Stoves	0

### 5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	3
Gas Fireplaces	58
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	7
Conventional Wood Stoves	0
Catalytic Wood Stoves	3
Non-Catalytic Wood Stoves	3
Pellet Wood Stoves	0

### 5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
448731.89999999997	149,577	395,718	131,906	—



5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	223,278	346	0.0330	0.0040	674,924
Hotel	553,909	346	0.0330	0.0040	1,147,875
Quality Restaurant	478,878	346	0.0330	0.0040	1,392,810
Health Club	166,749	346	0.0330	0.0040	608,318
Regional Shopping Center	394,070	346	0.0330	0.0040	194,893
General Office Building	2,308,124	346	0.0330	0.0040	2,911,371
Enclosed Parking with Elevator	1,383,549	346	0.0330	0.0040	0.00
Parking Lot	0.00	346	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	223,278	346	0.0330	0.0040	674,924
Hotel	553,909	346	0.0330	0.0040	1,147,875
Quality Restaurant	478,878	346	0.0330	0.0040	1,392,810
Health Club	166,749	346	0.0330	0.0040	608,318
Regional Shopping Center	394,070	346	0.0330	0.0040	194,893
General Office Building	2,308,124	346	0.0330	0.0040	2,911,371
Enclosed Parking with Elevator	1,383,549	346	0.0330	0.0040	0.00
Parking Lot	0.00	346	0.0330	0.0040	0.00

### 5.12. Operational Water and Wastewater Consumption

#### 5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	2,534,618	0.00
Hotel	1,014,671	0.00
Quality Restaurant	4,462,856	0.00
Health Club	1,018,149	0.00
Regional Shopping Center	2,931,716	0.00
General Office Building	25,754,153	0.00
Enclosed Parking with Elevator	0.00	0.00
Parking Lot	0.00	0.00

#### 5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	2,534,618	0.00
Hotel	1,014,671	0.00

Quality Restaurant	4,462,856	0.00
Health Club	1,018,149	0.00
Regional Shopping Center	2,931,716	0.00
General Office Building	25,754,153	0.00
Enclosed Parking with Elevator	0.00	0.00
Parking Lot	0.00	0.00

### 5.13. Operational Waste Generation

#### 5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	50.2	—
Hotel	21.9	—
Quality Restaurant	13.4	—
Health Club	98.1	—
Regional Shopping Center	41.6	—
General Office Building	135	—
Enclosed Parking with Elevator	0.00	—
Parking Lot	0.00	—

#### 5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	50.2	—
Hotel	21.9	—
Quality Restaurant	13.4	—
Health Club	98.1	—
Regional Shopping Center	41.6	—

General Office Building	135	—
Enclosed Parking with Elevator	0.00	—
Parking Lot	0.00	—

## 5.14. Operational Refrigeration and Air Conditioning Equipment

### 5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

### 5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

## 5.15. Operational Off-Road Equipment

### 5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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### 5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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## 5.16. Stationary Sources

### 5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
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### 5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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## 5.17. User Defined

Equipment Type	Fuel Type
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5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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## 6. Climate Risk Detailed Report

### 6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	7.73	annual days of extreme heat
Extreme Precipitation	7.05	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.30	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

### 6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A



Air Quality Degradation	0	0	0	N/A
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The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

### 6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

### 6.4. Climate Risk Reduction Measures

## 7. Health and Equity Details

### 7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—

AQ-Ozone	55.4
AQ-PM	69.5
AQ-DPM	88.3
Drinking Water	49.1
Lead Risk Housing	62.9
Pesticides	0.00
Toxic Releases	74.6
Traffic	65.7
Effect Indicators	—
CleanUp Sites	62.9
Groundwater	0.00
Haz Waste Facilities/Generators	81.9
Impaired Water Bodies	0.00
Solid Waste	59.2
Sensitive Population	—
Asthma	27.0
Cardio-vascular	33.9
Low Birth Weights	24.8
Socioeconomic Factor Indicators	—
Education	5.86
Housing	41.4
Linguistic	32.6
Poverty	21.7
Unemployment	62.4

## 7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	85.3586552
Employed	53.24008726
Median HI	91.35121263
Education	—
Bachelor's or higher	97.89554729
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	59.70742974
Active commuting	63.5698704
Social	—
2-parent households	26.03618632
Voting	66.04645194
Neighborhood	—
Alcohol availability	40.15141794
Park access	34.58231746
Retail density	88.78480688
Supermarket access	78.69883229
Tree canopy	70.69164635
Housing	—
Homeownership	29.61632234
Housing habitability	68.45887335
Low-inc homeowner severe housing cost burden	93.90478635
Low-inc renter severe housing cost burden	47.88913127
Uncrowded housing	83.16437829

Health Outcomes	—
Insured adults	87.48877197
Arthritis	0.0
Asthma ER Admissions	94.2
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	96.8
Cognitively Disabled	76.7
Physically Disabled	69.8
Heart Attack ER Admissions	84.0
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	67.2
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	84.9
Elderly	10.6
English Speaking	65.5
Foreign-born	51.6
Outdoor Workers	94.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	27.4
Traffic Density	81.1
Traffic Access	87.4
Other Indices	—
Hardship	7.4
Other Decision Support	—
2016 Voting	57.0

### 7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	38.0
Healthy Places Index Score for Project Location (b)	88.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.  
 b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

### 7.4. Health & Equity Measures

No Health & Equity Measures selected.

### 7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

## 7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

## 8. User Changes to Default Data

Screen	Justification
Land Use	Based on applicant provided information
Construction: Construction Phases	Based on applicant provided information
Construction: Off-Road Equipment	Based on applicant provided information
Construction: Trips and VMT	Trips based on Construction Management Plan. Hauled material would be transported to Inglewood landfill site. Maximum of 350 construction workers onsite at a time
Construction: Architectural Coatings	Based on SCAQMD Rule 1113
Construction: Dust From Material Movement	Based on applicant provided information

# 9600 Wilshire Boulevard Specific Plan Revised Scenario 2 Detailed Report

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8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

Data Field	Value
Project Name	9600 Wilshire Boulevard Specific Plan Revised Scenario 2
Construction Start Date	8/1/2024
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	19.6
Location	9600 Wilshire Blvd, Beverly Hills, CA 90210, USA
County	Los Angeles-South Coast
City	Beverly Hills
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4315
EDFZ	16
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.21

## 1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
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Apartments Mid Rise	70.0	Dwelling Unit	3.20	67,200	0.00	0.00	207	—
Hotel	50.0	Room	0.00	72,600	0.00	0.00	—	—
Quality Restaurant	44.0	1000sqft	0.00	44,000	0.00	0.00	—	—
Health Club	39.0	1000sqft	0.00	39,000	0.00	0.00	—	—
Regional Shopping Center	7.50	1000sqft	0.00	7,500	0.00	0.00	—	—
General Office Building	115	1000sqft	0.00	115,000	0.00	0.00	—	—
Enclosed Parking with Elevator	937	Space	0.00	374,800	0.00	0.00	—	—
Parking Lot	12.0	Space	0.00	0.00	0.00	0.00	—	—

### 1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

## 2. Emissions Summary

### 2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.2	103	99.0	0.52	2.31	20.6	22.9	2.16	5.36	7.53	—	75,246	75,246	3.52	9.12	145	78,196
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	48.4	111	121	0.52	2.51	20.6	23.1	2.34	5.36	7.71	—	76,113	76,113	3.53	9.13	3.97	78,925
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	7.81	51.0	60.8	0.22	1.36	8.47	9.84	1.25	2.13	3.39	—	31,575	31,575	1.43	2.99	22.8	32,526
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.42	9.30	11.1	0.04	0.25	1.55	1.80	0.23	0.39	0.62	—	5,228	5,228	0.24	0.50	3.78	5,385

## 2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.12	9.38	11.6	0.02	0.39	0.23	0.61	0.36	0.05	0.41	—	1,827	1,827	0.07	0.02	0.97	1,836
2025	1.07	9.10	11.5	0.02	0.35	0.23	0.58	0.33	0.05	0.38	—	1,822	1,822	0.07	0.02	0.89	1,831
2026	7.72	103	99.0	0.52	2.31	20.6	22.9	2.16	5.36	7.53	—	75,246	75,246	3.52	9.12	145	78,196
2027	12.2	34.7	52.5	0.08	1.23	5.55	6.78	1.13	1.34	2.47	—	13,491	13,491	0.56	0.69	23.6	13,735
2028	12.1	34.0	71.7	0.08	1.19	5.55	6.74	1.10	1.34	2.44	—	13,329	13,329	0.39	0.69	21.7	13,566
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.12	9.39	11.4	0.02	0.39	0.23	0.61	0.36	0.05	0.41	—	1,814	1,814	0.07	0.02	0.03	1,823
2025	48.4	111	121	0.52	2.51	20.6	23.1	2.34	5.36	7.71	—	76,113	76,113	3.53	9.13	3.97	78,925
2026	7.69	105	95.8	0.52	2.31	20.6	22.9	2.16	5.36	7.53	—	75,008	75,008	3.52	9.12	3.76	77,818
2027	12.2	44.7	74.7	0.17	1.44	6.07	7.51	1.33	1.40	2.73	—	22,693	22,693	0.81	0.77	0.61	22,943
2028	12.1	34.4	48.2	0.08	1.19	5.55	6.74	1.10	1.34	2.44	—	13,094	13,094	0.39	0.69	0.56	13,311
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.33	2.81	3.44	0.01	0.12	0.07	0.18	0.11	0.02	0.12	—	544	544	0.02	0.01	0.13	547
2025	6.77	16.5	26.4	0.06	0.59	2.28	2.88	0.53	0.56	1.09	—	7,993	7,993	0.36	0.69	5.90	8,215
2026	5.29	51.0	60.8	0.22	1.36	8.47	9.84	1.25	2.13	3.39	—	31,575	31,575	1.43	2.99	22.8	32,526



2027	7.81	26.8	40.3	0.07	0.91	4.01	4.92	0.84	0.96	1.80	—	11,176	11,176	0.37	0.51	7.28	11,344
2028	5.29	16.2	28.8	0.04	0.53	2.94	3.47	0.49	0.71	1.20	—	6,685	6,685	0.19	0.37	5.01	6,804
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.06	0.51	0.63	< 0.005	0.02	0.01	0.03	0.02	< 0.005	0.02	—	90.1	90.1	< 0.005	< 0.005	0.02	90.5
2025	1.23	3.01	4.83	0.01	0.11	0.42	0.53	0.10	0.10	0.20	—	1,323	1,323	0.06	0.11	0.98	1,360
2026	0.97	9.30	11.1	0.04	0.25	1.55	1.80	0.23	0.39	0.62	—	5,228	5,228	0.24	0.50	3.78	5,385
2027	1.42	4.89	7.36	0.01	0.17	0.73	0.90	0.15	0.17	0.33	—	1,850	1,850	0.06	0.08	1.20	1,878
2028	0.96	2.96	5.25	0.01	0.10	0.54	0.63	0.09	0.13	0.22	—	1,107	1,107	0.03	0.06	0.83	1,126

## 2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	50.5	49.6	277	0.52	1.63	49.3	50.9	1.60	12.5	14.1	324	60,431	60,754	36.3	1.78	310	62,502
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	45.1	50.8	230	0.49	1.58	49.3	50.9	1.56	12.5	14.0	324	58,002	58,325	36.4	1.88	187	59,984
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	42.0	28.3	195	0.34	0.89	33.2	34.1	0.87	8.40	9.27	324	42,540	42,864	35.8	1.57	221	44,447
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.67	5.16	35.6	0.06	0.16	6.06	6.22	0.16	1.53	1.69	53.6	7,043	7,097	5.93	0.26	36.6	7,359

## 2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	29.7	12.9	224	0.46	0.26	49.3	49.5	0.24	12.5	12.7	—	46,918	46,918	2.69	1.48	127	47,554
Area	13.1	0.36	32.4	< 0.005	0.06	—	0.06	0.05	—	0.05	0.00	233	233	0.01	< 0.005	—	233
Energy	0.15	2.77	2.25	0.02	0.21	—	0.21	0.21	—	0.21	—	9,176	9,176	0.85	0.07	—	9,220
Water	—	—	—	—	—	—	—	—	—	—	77.7	262	339	7.99	0.19	—	596
Waste	—	—	—	—	—	—	—	—	—	—	246	0.00	246	24.6	0.00	—	861
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	183	183
Stationary	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855
Total	50.5	49.6	277	0.52	1.63	49.3	50.9	1.60	12.5	14.1	324	60,431	60,754	36.3	1.78	310	62,502
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	29.3	14.3	208	0.44	0.26	49.3	49.5	0.24	12.5	12.7	—	44,616	44,616	2.82	1.59	3.29	45,163
Area	8.11	0.08	0.04	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	105	105	< 0.005	< 0.005	—	105
Energy	0.15	2.77	2.25	0.02	0.21	—	0.21	0.21	—	0.21	—	9,176	9,176	0.85	0.07	—	9,220
Water	—	—	—	—	—	—	—	—	—	—	77.7	262	339	7.99	0.19	—	596
Waste	—	—	—	—	—	—	—	—	—	—	246	0.00	246	24.6	0.00	—	861
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	183	183
Stationary	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855
Total	45.1	50.8	230	0.49	1.58	49.3	50.9	1.56	12.5	14.0	324	58,002	58,325	36.4	1.88	187	59,984
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	27.2	11.5	163	0.31	0.19	33.2	33.4	0.17	8.40	8.58	—	31,427	31,427	2.30	1.29	37.5	31,906
Area	11.5	0.20	22.2	< 0.005	0.04	—	0.04	0.03	—	0.03	0.00	94.5	94.5	< 0.005	< 0.005	—	94.8

Energy	0.15	2.77	2.25	0.02	0.21	—	0.21	0.21	—	0.21	—	9,176	9,176	0.85	0.07	—	9,220
Water	—	—	—	—	—	—	—	—	—	—	77.7	262	339	7.99	0.19	—	596
Waste	—	—	—	—	—	—	—	—	—	—	246	0.00	246	24.6	0.00	—	861
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	183	183
Stationary	3.09	13.8	7.88	0.01	0.45	0.00	0.45	0.45	0.00	0.45	0.00	1,581	1,581	0.06	0.01	0.00	1,586
Total	42.0	28.3	195	0.34	0.89	33.2	34.1	0.87	8.40	9.27	324	42,540	42,864	35.8	1.57	221	44,447
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.97	2.10	29.7	0.06	0.03	6.06	6.10	0.03	1.53	1.57	—	5,203	5,203	0.38	0.21	6.21	5,282
Area	2.11	0.04	4.05	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	15.6	15.6	< 0.005	< 0.005	—	15.7
Energy	0.03	0.51	0.41	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,519	1,519	0.14	0.01	—	1,526
Water	—	—	—	—	—	—	—	—	—	—	12.9	43.3	56.2	1.32	0.03	—	98.7
Waste	—	—	—	—	—	—	—	—	—	—	40.7	0.00	40.7	4.07	0.00	—	142
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	30.3	30.3
Stationary	0.56	2.52	1.44	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	262	262	0.01	< 0.005	0.00	263
Total	7.67	5.16	35.6	0.06	0.16	6.06	6.22	0.16	1.53	1.69	53.6	7,043	7,097	5.93	0.26	36.6	7,359

### 3. Construction Emissions Details

#### 3.1. Demolition (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	46.8	32.3	97.1	0.10	2.06	—	2.06	1.78	—	1.78	—	9,852	9,852	0.40	0.08	—	9,885
Demolition	—	—	—	—	—	1.73	1.73	—	0.26	0.26	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.51	3.80	11.4	0.01	0.24	—	0.24	0.21	—	0.21	—	1,161	1,161	0.05	0.01	—	1,165
Demolition	—	—	—	—	—	0.20	0.20	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.69	2.09	< 0.005	0.04	—	0.04	0.04	—	0.04	—	192	192	0.01	< 0.005	—	193
Demolition	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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

Hauling	0.02	2.47	0.82	0.01	0.03	0.59	0.61	0.03	0.16	0.19	—	2,154	2,154	0.10	0.34	0.13	2,257
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	< 0.005	0.30	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	254	254	0.01	0.04	0.26	266
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.0	42.0	< 0.005	0.01	0.04	44.1

### 3.3. Excavation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.03	44.0	55.1	0.14	1.77	—	1.77	1.63	—	1.63	—	14,767	14,767	0.60	0.12	—	14,817
Dust From Material Movement	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.37	2.67	3.34	0.01	0.11	—	0.11	0.10	—	0.10	—	896	896	0.04	0.01	—	899
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.49	0.61	< 0.005	0.02	—	0.02	0.02	—	0.02	—	148	148	0.01	< 0.005	—	149
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

### 3.5. Excavation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.83	41.3	55.1	0.14	1.57	—	1.57	1.45	—	1.45	—	14,782	14,782	0.60	0.12	—	14,832
Dust From Material Movement	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.83	41.3	55.1	0.14	1.57	—	1.57	1.45	—	1.45	—	14,782	14,782	0.60	0.12	—	14,832
Dust From Material Movement	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	4.16	29.5	39.3	0.10	1.12	—	1.12	1.03	—	1.03	—	10,558	10,558	0.43	0.09	—	10,595
Dust From Material Movement	—	—	—	—	—	0.37	0.37	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.76	5.38	7.18	0.02	0.21	—	0.21	0.19	—	0.19	—	1,748	1,748	0.07	0.01	—	1,754
Dust From Material Movement	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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



Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.7. Excavation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.69	39.2	55.0	0.14	1.42	—	1.42	1.30	—	1.30	—	14,777	14,777	0.60	0.12	—	14,828
Dust From Material Movement	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.00	6.91	9.69	0.02	0.25	—	0.25	0.23	—	0.23	—	2,603	2,603	0.11	0.02	—	2,612

Dust From Material Movement	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	1.26	1.77	< 0.005	0.05	—	0.05	0.04	—	0.04	—	431	431	0.02	< 0.005	—	432
Dust From Material Movement	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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

Hauling	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
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### 3.9. Excavation - Soil Export (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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

Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.48	61.0	20.2	0.35	0.69	14.5	15.1	0.69	3.96	4.65	—	53,125	53,125	2.57	8.32	3.25	55,673
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.03	3.76	1.22	0.02	0.04	0.87	0.91	0.04	0.24	0.28	—	3,223	3,223	0.16	0.50	3.28	3,380
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.01	0.69	0.22	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	534	534	0.03	0.08	0.54	560

### 3.11. Excavation - Soil Export (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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

Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.50	56.3	19.4	0.35	0.69	14.5	15.1	0.69	3.96	4.65	—	52,153	52,153	2.57	8.32	119	54,817
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.48	58.5	19.5	0.35	0.69	14.5	15.1	0.69	3.96	4.65	—	52,160	52,160	2.57	8.32	3.09	54,708
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.14	17.3	5.67	0.10	0.20	4.18	4.38	0.20	1.14	1.34	—	15,208	15,208	0.75	2.43	14.9	15,965
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.03	3.16	1.03	0.02	0.04	0.76	0.80	0.04	0.21	0.25	—	2,518	2,518	0.12	0.40	2.47	2,643

3.13. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.39	29.7	29.6	0.05	1.20	—	1.20	1.10	—	1.10	—	5,336	5,336	0.22	0.04	—	5,354
Architectural Coatings	7.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.39	29.7	29.6	0.05	1.20	—	1.20	1.10	—	1.10	—	5,336	5,336	0.22	0.04	—	5,354
Architectural Coatings	7.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.82	16.0	15.9	0.03	0.65	—	0.65	0.59	—	0.59	—	2,872	2,872	0.12	0.02	—	2,882
Architectural Coatings	4.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.33	2.92	2.91	< 0.005	0.12	—	0.12	0.11	—	0.11	—	475	475	0.02	< 0.005	—	477
Architectural Coatings	0.74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00



### 3.15. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.35	29.3	29.7	0.05	1.16	—	1.16	1.07	—	1.07	—	5,338	5,338	0.22	0.04	—	5,357
Architectural Coatings	7.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.35	29.3	29.7	0.05	1.16	—	1.16	1.07	—	1.07	—	5,338	5,338	0.22	0.04	—	5,357
Architectural Coatings	7.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	12.2	12.4	0.02	0.48	—	0.48	0.45	—	0.45	—	2,225	2,225	0.09	0.02	—	2,233
Architectural Coatings	3.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	2.23	2.26	< 0.005	0.09	—	0.09	0.08	—	0.08	—	368	368	0.01	< 0.005	—	370
Architectural Coatings	0.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.17. Construction Workers (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	1.49	1.68	20.6	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,587	4,587	0.21	0.17	0.46	4,645
Vendor	0.10	4.31	2.04	0.03	0.05	0.98	1.03	0.03	0.27	0.30	—	3,634	3,634	0.15	0.51	0.26	3,790
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.33	3.90	0.00	0.00	0.81	0.81	0.00	0.19	0.19	—	838	838	0.04	0.03	1.38	849
Vendor	0.02	0.78	0.36	< 0.005	0.01	0.17	0.18	< 0.005	0.05	0.05	—	654	654	0.03	0.09	0.78	683
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.71	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	139	139	0.01	< 0.005	0.23	141
Vendor	< 0.005	0.14	0.07	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	0.13	113
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.19. Construction Workers (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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

Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.29	1.36	22.6	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,742	4,742	0.20	0.17	16.0	4,812
Vendor	0.11	3.94	1.90	0.03	0.05	0.98	1.03	0.03	0.27	0.30	—	3,570	3,570	0.15	0.51	9.65	3,735
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.28	1.52	19.3	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,496	4,496	0.20	0.17	0.42	4,550
Vendor	0.10	4.11	1.95	0.03	0.05	0.98	1.03	0.03	0.27	0.30	—	3,571	3,571	0.15	0.51	0.25	3,727
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.91	1.18	14.4	0.00	0.00	3.23	3.23	0.00	0.76	0.76	—	3,258	3,258	0.15	0.12	4.96	3,302
Vendor	0.07	2.96	1.38	0.02	0.04	0.69	0.73	0.02	0.19	0.21	—	2,550	2,550	0.11	0.36	2.97	2,664
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.17	0.22	2.63	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	539	539	0.02	0.02	0.82	547
Vendor	0.01	0.54	0.25	< 0.005	0.01	0.13	0.13	< 0.005	0.03	0.04	—	422	422	0.02	0.06	0.49	441
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.21. Construction Workers (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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

Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.24	1.21	21.0	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,651	4,651	0.20	0.17	14.5	4,720
Vendor	0.11	3.77	1.79	0.03	0.03	0.98	1.01	0.03	0.27	0.30	—	3,500	3,500	0.15	0.48	9.13	3,657
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.22	1.51	17.8	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,410	4,410	0.06	0.17	0.38	4,461
Vendor	0.10	3.92	1.84	0.03	0.03	0.98	1.01	0.03	0.27	0.30	—	3,502	3,502	0.15	0.48	0.24	3,650
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.87	1.08	13.4	0.00	0.00	3.23	3.23	0.00	0.76	0.76	—	3,196	3,196	0.04	0.12	4.46	3,237
Vendor	0.07	2.82	1.30	0.02	0.02	0.69	0.71	0.02	0.19	0.21	—	2,501	2,501	0.11	0.35	2.81	2,609
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.20	2.44	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	529	529	0.01	0.02	0.74	536
Vendor	0.01	0.51	0.24	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.04	—	414	414	0.02	0.06	0.47	432
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.23. Construction Workers (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.20	1.19	19.7	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,568	4,568	0.05	0.17	13.0	4,632
Vendor	0.08	3.60	1.73	0.03	0.03	0.98	1.01	0.03	0.27	0.30	—	3,419	3,419	0.12	0.48	8.65	3,574
Hauling	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



Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.19	1.36	16.8	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,331	4,331	0.05	0.17	0.34	4,382
Vendor	0.08	3.75	1.75	0.03	0.03	0.98	1.01	0.03	0.27	0.30	—	3,421	3,421	0.12	0.48	0.22	3,568
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.63	0.72	9.41	0.00	0.00	2.42	2.42	0.00	0.57	0.57	—	2,357	2,357	0.03	0.09	3.02	2,387
Vendor	0.04	2.02	0.93	0.01	0.01	0.52	0.53	0.01	0.14	0.16	—	1,834	1,834	0.07	0.26	1.99	1,915
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.13	1.72	0.00	0.00	0.44	0.44	0.00	0.10	0.10	—	390	390	< 0.005	0.01	0.50	395
Vendor	0.01	0.37	0.17	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	304	304	0.01	0.04	0.33	317
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.25. Utility Relocation (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	9.29	10.3	0.02	0.39	—	0.39	0.36	—	0.36	—	1,580	1,580	0.06	0.01	—	1,586
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	9.29	10.3	0.02	0.39	—	0.39	0.36	—	0.36	—	1,580	1,580	0.06	0.01	—	1,586
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	2.78	3.09	0.01	0.12	—	0.12	0.11	—	0.11	—	473	473	0.02	< 0.005	—	475
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.51	0.56	< 0.005	0.02	—	0.02	0.02	—	0.02	—	78.3	78.3	< 0.005	< 0.005	—	78.6
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.32	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	247	247	0.01	0.01	0.97	251
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.10	1.12	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	234	234	0.01	0.01	0.03	237

Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.35	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	71.2	71.2	< 0.005	< 0.005	0.13	72.1
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.8	11.8	< 0.005	< 0.005	0.02	11.9
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.27. Utility Relocation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.00	9.02	10.3	0.02	0.35	—	0.35	0.33	—	0.33	—	1,580	1,580	0.06	0.01	—	1,586
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.00	9.02	10.3	0.02	0.35	—	0.35	0.33	—	0.33	—	1,580	1,580	0.06	0.01	—	1,586
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	4.82	5.50	0.01	0.19	—	0.19	0.17	—	0.17	—	844	844	0.03	0.01	—	847
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.88	1.00	< 0.005	0.03	—	0.03	0.03	—	0.03	—	140	140	0.01	< 0.005	—	140
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.22	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	242	242	0.01	0.01	0.89	246
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.08	1.03	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	229	229	0.01	0.01	0.02	232
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.58	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	124	124	0.01	< 0.005	0.20	126
Vendor	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

Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	20.6	20.6	< 0.005	< 0.005	0.03	20.9
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.29. Paving (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	10.7	50.3	0.01	0.25	—	0.25	0.23	—	0.23	—	2,196	2,196	0.07	0.01	—	2,201
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	1.29	6.06	< 0.005	0.03	—	0.03	0.03	—	0.03	—	265	265	0.01	< 0.005	—	265
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.24	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	43.8	43.8	< 0.005	< 0.005	—	43.9
Onsite truck	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

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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

## 4. Operations Emissions Details

### 4.1. Mobile Emissions by Land Use

#### 4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartment Mid Rise	0.90	0.40	7.65	0.02	0.01	1.75	1.76	0.01	0.44	0.45	—	1,643	1,643	0.09	0.05	4.48	1,664
Hotel	1.09	0.45	8.30	0.02	0.01	1.84	1.85	0.01	0.46	0.47	—	1,732	1,732	0.10	0.05	4.70	1,755
Quality Restaurant	21.2	8.69	161	0.33	0.18	35.6	35.8	0.17	9.01	9.18	—	33,603	33,603	1.91	1.01	91.2	34,042
Health Club	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
Regional Shopping Center	1.50	1.28	8.02	0.02	0.01	1.55	1.57	0.01	0.39	0.41	—	1,917	1,917	0.14	0.13	4.78	1,965
General Office Building	5.06	2.07	38.5	0.08	0.04	8.51	8.55	0.04	2.15	2.19	—	8,023	8,023	0.46	0.24	21.8	8,128
Enclosed Parking with Elevator	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
Parking Lot	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
Total	29.7	12.9	224	0.46	0.26	49.3	49.5	0.24	12.5	12.7	—	46,918	46,918	2.69	1.48	127	47,554
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartment Mid Rise	0.89	0.45	7.04	0.02	0.01	1.75	1.76	0.01	0.44	0.45	—	1,561	1,561	0.09	0.05	0.12	1,579
Hotel	1.08	0.50	7.73	0.02	0.01	1.84	1.85	0.01	0.46	0.47	—	1,646	1,646	0.10	0.06	0.12	1,665
Quality Restaurant	20.9	9.71	150	0.31	0.18	35.6	35.8	0.17	9.01	9.18	—	31,932	31,932	2.00	1.08	2.36	32,308
Health Club	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
Regional Shopping Center	1.47	1.36	7.85	0.02	0.01	1.55	1.57	0.01	0.39	0.41	—	1,853	1,853	0.14	0.14	0.12	1,898

General Office Building	4.99	2.32	35.8	0.07	0.04	8.51	8.55	0.04	2.15	2.19	—	7,624	7,624	0.48	0.26	0.56	7,714
Enclosed Parking with Elevator	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
Parking Lot	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
Total	29.3	14.3	208	0.44	0.26	49.3	49.5	0.24	12.5	12.7	—	44,616	44,616	2.82	1.59	3.29	45,163
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.16	0.08	1.32	< 0.005	< 0.005	0.32	0.32	< 0.005	0.08	0.08	—	262	262	0.01	0.01	0.32	265
Hotel	0.19	0.09	1.44	< 0.005	< 0.005	0.33	0.33	< 0.005	0.08	0.09	—	276	276	0.02	0.01	0.34	280
Quality Restaurant	3.46	1.26	18.9	0.03	0.02	3.64	3.66	0.02	0.92	0.94	—	3,110	3,110	0.25	0.13	3.70	3,159
Health Club	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
Regional Shopping Center	0.26	0.24	1.38	< 0.005	< 0.005	0.26	0.26	< 0.005	0.07	0.07	—	288	288	0.02	0.02	0.32	295
General Office Building	0.89	0.42	6.62	0.01	0.01	1.52	1.52	0.01	0.38	0.39	—	1,267	1,267	0.08	0.04	1.54	1,283
Enclosed Parking with Elevator	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
Parking Lot	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
Total	4.97	2.10	29.7	0.06	0.03	6.06	6.10	0.03	1.53	1.57	—	5,203	5,203	0.38	0.21	6.21	5,282

4.2. Energy



4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	218	218	0.02	< 0.005	—	219
Hotel	—	—	—	—	—	—	—	—	—	—	—	804	804	0.08	0.01	—	809
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	1,359	1,359	0.13	0.02	—	1,367
Health Club	—	—	—	—	—	—	—	—	—	—	—	358	358	0.03	< 0.005	—	360
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	70.8	70.8	0.01	< 0.005	—	71.2
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1,737	1,737	0.17	0.02	—	1,748
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	1,312	1,312	0.13	0.02	—	1,320
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	5,861	5,861	0.56	0.07	—	5,895
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	218	218	0.02	< 0.005	—	219
Hotel	—	—	—	—	—	—	—	—	—	—	—	804	804	0.08	0.01	—	809

Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	1,359	1,359	0.13	0.02	—	1,367
Health Club	—	—	—	—	—	—	—	—	—	—	—	358	358	0.03	< 0.005	—	360
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	70.8	70.8	0.01	< 0.005	—	71.2
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1,737	1,737	0.17	0.02	—	1,748
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	1,312	1,312	0.13	0.02	—	1,320
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	5,861	5,861	0.56	0.07	—	5,895
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	36.1	36.1	< 0.005	< 0.005	—	36.3
Hotel	—	—	—	—	—	—	—	—	—	—	—	133	133	0.01	< 0.005	—	134
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	225	225	0.02	< 0.005	—	226
Health Club	—	—	—	—	—	—	—	—	—	—	—	59.3	59.3	0.01	< 0.005	—	59.7
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	11.7	11.7	< 0.005	< 0.005	—	11.8
General Office Building	—	—	—	—	—	—	—	—	—	—	—	288	288	0.03	< 0.005	—	289

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	217	217	0.02	< 0.005	—	219
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	970	970	0.09	0.01	—	976

### 4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.01	0.18	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	223	223	0.02	< 0.005	—	223
Hotel	0.03	0.47	0.40	< 0.005	0.04	—	0.04	0.04	—	0.04	—	563	563	0.05	< 0.005	—	565
Quality Restaurant	0.06	1.12	0.94	0.01	0.09	—	0.09	0.09	—	0.09	—	1,336	1,336	0.12	< 0.005	—	1,340
Health Club	0.02	0.37	0.31	< 0.005	0.03	—	0.03	0.03	—	0.03	—	442	442	0.04	< 0.005	—	443
Regional Shopping Center	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.8	11.8	< 0.005	< 0.005	—	11.9
General Office Building	0.03	0.62	0.52	< 0.005	0.05	—	0.05	0.05	—	0.05	—	741	741	0.07	< 0.005	—	743
Enclosed Parking with Elevator	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
Parking Lot	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

Total	0.15	2.77	2.25	0.02	0.21	—	0.21	0.21	—	0.21	—	3,316	3,316	0.29	0.01	—	3,325
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.01	0.18	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	223	223	0.02	< 0.005	—	223
Hotel	0.03	0.47	0.40	< 0.005	0.04	—	0.04	0.04	—	0.04	—	563	563	0.05	< 0.005	—	565
Quality Restaurant	0.06	1.12	0.94	0.01	0.09	—	0.09	0.09	—	0.09	—	1,336	1,336	0.12	< 0.005	—	1,340
Health Club	0.02	0.37	0.31	< 0.005	0.03	—	0.03	0.03	—	0.03	—	442	442	0.04	< 0.005	—	443
Regional Shopping Center	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.8	11.8	< 0.005	< 0.005	—	11.9
General Office Building	0.03	0.62	0.52	< 0.005	0.05	—	0.05	0.05	—	0.05	—	741	741	0.07	< 0.005	—	743
Enclosed Parking with Elevator	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
Parking Lot	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
Total	0.15	2.77	2.25	0.02	0.21	—	0.21	0.21	—	0.21	—	3,316	3,316	0.29	0.01	—	3,325
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	< 0.005	0.03	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	36.9	36.9	< 0.005	< 0.005	—	37.0
Hotel	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	93.3	93.3	0.01	< 0.005	—	93.5
Quality Restaurant	0.01	0.20	0.17	< 0.005	0.02	—	0.02	0.02	—	0.02	—	221	221	0.02	< 0.005	—	222
Health Club	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	73.1	73.1	0.01	< 0.005	—	73.3

Regional Shopping Center	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.96	1.96	< 0.005	< 0.005	—	1.96
General Office Building	0.01	0.11	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	123	123	0.01	< 0.005	—	123
Enclosed Parking with Elevator	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
Parking Lot	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
Total	0.03	0.51	0.41	< 0.005	0.04	—	0.04	0.04	—	0.04	—	549	549	0.05	< 0.005	—	550

### 4.3. Area Emissions by Source

#### 4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	0.08	0.04	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	105	105	< 0.005	< 0.005	—	105
Consumer Products	7.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscaping Equipment	5.01	0.28	32.4	< 0.005	0.05	—	0.05	0.04	—	0.04	—	127	127	0.01	< 0.005	—	128
Total	13.1	0.36	32.4	< 0.005	0.06	—	0.06	0.05	—	0.05	0.00	233	233	0.01	< 0.005	—	233

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	0.08	0.04	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	105	105	< 0.005	< 0.005	—	105
Consumer Products	7.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	8.11	0.08	0.04	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	105	105	< 0.005	< 0.005	—	105
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	1.19	1.19	< 0.005	< 0.005	—	1.20
Consumer Products	1.35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.63	0.03	4.05	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	14.4	14.4	< 0.005	< 0.005	—	14.5
Total	2.11	0.04	4.05	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	15.6	15.6	< 0.005	< 0.005	—	15.7

#### 4.4. Water Emissions by Land Use

##### 4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartment Mid Rise	—	—	—	—	—	—	—	—	—	—	5.00	16.8	21.8	0.51	0.01	—	38.4
Hotel	—	—	—	—	—	—	—	—	—	—	2.43	8.19	10.6	0.25	0.01	—	18.7
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	25.6	86.2	112	2.63	0.06	—	197
Health Club	—	—	—	—	—	—	—	—	—	—	4.42	14.9	19.3	0.45	0.01	—	33.9
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	1.06	3.59	4.65	0.11	< 0.005	—	8.17
General Office Building	—	—	—	—	—	—	—	—	—	—	39.2	132	171	4.03	0.10	—	301
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	77.7	262	339	7.99	0.19	—	596
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartment Mid Rise	—	—	—	—	—	—	—	—	—	—	5.00	16.8	21.8	0.51	0.01	—	38.4
Hotel	—	—	—	—	—	—	—	—	—	—	2.43	8.19	10.6	0.25	0.01	—	18.7
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	25.6	86.2	112	2.63	0.06	—	197
Health Club	—	—	—	—	—	—	—	—	—	—	4.42	14.9	19.3	0.45	0.01	—	33.9
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	1.06	3.59	4.65	0.11	< 0.005	—	8.17

General Office Building	—	—	—	—	—	—	—	—	—	—	39.2	132	171	4.03	0.10	—	301
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	77.7	262	339	7.99	0.19	—	596
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.83	2.79	3.62	0.09	< 0.005	—	6.36
Hotel	—	—	—	—	—	—	—	—	—	—	0.40	1.36	1.76	0.04	< 0.005	—	3.09
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	4.24	14.3	18.5	0.44	0.01	—	32.5
Health Club	—	—	—	—	—	—	—	—	—	—	0.73	2.47	3.20	0.08	< 0.005	—	5.62
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	0.18	0.59	0.77	0.02	< 0.005	—	1.35
General Office Building	—	—	—	—	—	—	—	—	—	—	6.48	21.8	28.3	0.67	0.02	—	49.8
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	12.9	43.3	56.2	1.32	0.03	—	98.7

#### 4.5. Waste Emissions by Land Use



4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	27.9	0.00	27.9	2.79	0.00	—	97.5
Hotel	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.47	0.00	—	51.6
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	21.6	0.00	21.6	2.16	0.00	—	75.7
Health Club	—	—	—	—	—	—	—	—	—	—	120	0.00	120	12.0	0.00	—	419
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	4.24	0.00	4.24	0.42	0.00	—	14.8
General Office Building	—	—	—	—	—	—	—	—	—	—	57.6	0.00	57.6	5.76	0.00	—	202
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	246	0.00	246	24.6	0.00	—	861
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	27.9	0.00	27.9	2.79	0.00	—	97.5
Hotel	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.47	0.00	—	51.6

Quality Restaurant	—	—	—	—	—	—	—	—	—	—	21.6	0.00	21.6	2.16	0.00	—	75.7
Health Club	—	—	—	—	—	—	—	—	—	—	120	0.00	120	12.0	0.00	—	419
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	4.24	0.00	4.24	0.42	0.00	—	14.8
General Office Building	—	—	—	—	—	—	—	—	—	—	57.6	0.00	57.6	5.76	0.00	—	202
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	246	0.00	246	24.6	0.00	—	861
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.61	0.00	4.61	0.46	0.00	—	16.1
Hotel	—	—	—	—	—	—	—	—	—	—	2.44	0.00	2.44	0.24	0.00	—	8.55
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	3.58	0.00	3.58	0.36	0.00	—	12.5
Health Club	—	—	—	—	—	—	—	—	—	—	19.8	0.00	19.8	1.98	0.00	—	69.4
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	0.70	0.00	0.70	0.07	0.00	—	2.46
General Office Building	—	—	—	—	—	—	—	—	—	—	9.54	0.00	9.54	0.95	0.00	—	33.4

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	40.7	0.00	40.7	4.07	0.00	—	142

### 4.6. Refrigerant Emissions by Land Use

#### 4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.48	0.48
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	113	113
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	68.8	68.8
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	183	183

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.48	0.48
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	113	113
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	68.8	68.8
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	183	183
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	18.8	18.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.4	11.4
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	30.3	30.3

### 4.7. Offroad Emissions By Equipment Type

#### 4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

### 4.8. Stationary Emissions By Equipment Type

#### 4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855

Total	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855
Total	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.56	2.52	1.44	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	262	262	0.01	< 0.005	0.00	263
Total	0.56	2.52	1.44	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	262	262	0.01	< 0.005	0.00	263

### 4.9. User Defined Emissions By Equipment Type

#### 4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

### 4.10. Soil Carbon Accumulation By Vegetation Type

#### 4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

#### 4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## 5. Activity Data

### 5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	10/1/2025	11/30/2025	5.00	43.0	—
Excavation	Grading	12/1/2025	3/31/2027	5.00	348	—
Excavation - Soil Export	Grading	12/1/2025	5/29/2026	5.00	130	—
Building Construction	Building Construction	4/1/2027	7/31/2028	5.00	348	—
Construction Workers	Building Construction	10/1/2025	9/30/2028	5.00	783	—
Utility Relocation	Paving	8/1/2024	9/30/2025	5.00	304	—
Paving	Paving	8/1/2028	9/30/2028	5.00	44.0	—

### 5.2. Off-Road Equipment

#### 5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	2.00	10.0	33.0	0.73
Demolition	Excavators	Diesel	Average	1.00	10.0	36.0	0.38
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	1.00	10.0	84.0	0.37

Demolition	Air Compressors	Diesel	Average	2.00	10.0	37.0	0.48
Demolition	Crawler Tractors	Diesel	Average	2.00	10.0	87.0	0.43
Demolition	Crushing/Proc. Equipment	Gasoline	Average	1.00	10.0	12.0	0.85
Demolition	Rubber Tired Loaders	Diesel	Average	1.00	10.0	150	0.36
Demolition	Off-Highway Trucks	Diesel	Average	4.00	10.0	376	0.38
Excavation	Graders	Diesel	Average	0.00	8.00	148	0.41
Excavation	Excavators	Diesel	Average	1.00	10.0	36.0	0.38
Excavation	Tractors/Loaders/Backhoes	Diesel	Average	3.00	10.0	84.0	0.37
Excavation	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Excavation	Bore/Drill Rigs	Diesel	Average	2.00	10.0	83.0	0.50
Excavation	Concrete/Industrial Saws	Diesel	Average	2.00	10.0	33.0	0.73
Excavation	Air Compressors	Diesel	Average	2.00	10.0	37.0	0.48
Excavation	Crawler Tractors	Diesel	Average	2.00	10.0	87.0	0.43
Excavation	Rubber Tired Loaders	Diesel	Average	1.00	10.0	150	0.36
Excavation	Off-Highway Trucks	Diesel	Average	6.00	10.0	376	0.38
Excavation - Soil Export	Graders	Diesel	Average	0.00	8.00	148	0.41
Excavation - Soil Export	Excavators	Diesel	Average	0.00	8.00	36.0	0.38
Excavation - Soil Export	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Excavation - Soil Export	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Building Construction	Cranes	Electric	Average	4.00	10.0	367	0.29
Building Construction	Forklifts	Diesel	Average	0.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	0.00	8.00	14.0	0.74
Building Construction	Welders	Electric	Average	6.00	10.0	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	2.00	10.0	84.0	0.37

Building Construction	Plate Compactors	Diesel	Average	2.00	10.0	8.00	0.43
Building Construction	Rubber Tired Dozers	Diesel	Average	2.00	10.0	367	0.40
Building Construction	Excavators	Diesel	Average	2.00	10.0	36.0	0.38
Building Construction	Pumps	Diesel	Average	2.00	10.0	11.0	0.74
Building Construction	Trenchers	Diesel	Average	2.00	10.0	40.0	0.50
Building Construction	Aerial Lifts	Electric	Average	6.00	10.0	46.0	0.31
Construction Workers	Cranes	Diesel	Average	0.00	7.00	367	0.29
Construction Workers	Forklifts	Diesel	Average	0.00	8.00	82.0	0.20
Construction Workers	Generator Sets	Diesel	Average	0.00	8.00	14.0	0.74
Construction Workers	Welders	Diesel	Average	0.00	8.00	46.0	0.45
Construction Workers	Tractors/Loaders/Backhoes	Diesel	Average	0.00	7.00	84.0	0.37
Utility Relocation	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Utility Relocation	Cement and Mortar Mixers	Diesel	Average	1.00	10.0	10.0	0.56
Utility Relocation	Pavers	Diesel	Average	1.00	10.0	81.0	0.42
Utility Relocation	Paving Equipment	Diesel	Average	1.00	10.0	89.0	0.36
Utility Relocation	Rollers	Diesel	Average	0.00	6.00	36.0	0.38
Utility Relocation	Generator Sets	Diesel	Average	2.00	10.0	14.0	0.74
Utility Relocation	Excavators	Diesel	Average	1.00	10.0	36.0	0.38
Utility Relocation	Concrete/Industrial Saws	Diesel	Average	1.00	10.0	33.0	0.73
Paving	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	10.0	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	10.0	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	10.0	89.0	0.36
Paving	Rollers	Diesel	Average	0.00	6.00	36.0	0.38

Paving	Pressure Washers	Diesel	Average	1.00	10.0	14.0	0.30
Paving	Sweepers/Scrubbers	Diesel	Average	1.00	10.0	36.0	0.46
Paving	Forklifts	CNG	Average	3.00	10.0	70.0	0.30
Paving	Dumpers/Tenders	Diesel	Average	2.00	10.0	16.0	0.38

### 5.3. Construction Vehicles

#### 5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Utility Relocation	—	—	—	—
Utility Relocation	Worker	17.5	18.5	LDA,LDT1,LDT2
Utility Relocation	Vendor	—	10.2	HHDT,MHDT
Utility Relocation	Hauling	0.00	20.0	HHDT
Utility Relocation	Onsite truck	—	—	HHDT
Demolition	—	—	—	—
Demolition	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	9.73	65.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Excavation	—	—	—	—
Excavation	Worker	0.00	18.5	LDA,LDT1,LDT2
Excavation	Vendor	—	10.2	HHDT,MHDT
Excavation	Hauling	0.00	20.0	HHDT
Excavation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT

Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Excavation - Soil Export	—	—	—	—
Excavation - Soil Export	Worker	0.00	18.5	LDA,LDT1,LDT2
Excavation - Soil Export	Vendor	—	10.2	HHDT,MHDT
Excavation - Soil Export	Hauling	240	65.0	HHDT
Excavation - Soil Export	Onsite truck	—	—	HHDT
Construction Workers	—	—	—	—
Construction Workers	Worker	350	18.5	LDA,LDT1,LDT2
Construction Workers	Vendor	114	10.2	HHDT,MHDT
Construction Workers	Hauling	0.00	20.0	HHDT
Construction Workers	Onsite truck	0.00	—	HHDT

### 5.4. Vehicles

#### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

### 5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Building Construction	448,732	149,577	395,718	131,906	—

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	116,445	—
Excavation	0.00	0.00	435	0.00	—
Excavation - Soil Export	0.00	198,950	0.00	0.00	—
Utility Relocation	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00

### 5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

## 5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
Hotel	0.00	0%
Quality Restaurant	0.00	0%
Health Club	0.00	0%
Regional Shopping Center	0.00	0%
General Office Building	0.00	0%
Enclosed Parking with Elevator	0.00	100%
Parking Lot	0.00	100%

### 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	349	0.03	< 0.005
2025	0.00	349	0.03	< 0.005
2026	0.00	346	0.03	< 0.005
2027	4,739	346	0.03	< 0.005
2028	4,739	346	0.03	< 0.005

### 5.9. Operational Mobile Sources

#### 5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	272	272	272	99,419	2,500	2,500	2,500	912,335
Hotel	343	343	343	125,055	2,621	2,621	2,621	956,839
Quality Restaurant	6,648	6,648	6,648	2,426,375	20,038	50,863	50,863	10,528,388
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	556	556	556	203,026	1,945	2,174	2,174	733,846
General Office Building	1,587	1,587	1,472	573,320	12,144	12,144	11,264	4,386,677
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### 5.10. Operational Area Sources

#### 5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	68
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Hotel	—
Wood Fireplaces	0
Gas Fireplaces	5
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
448731.89999999997	149,577	395,718	131,906	—

5.10.3. Landscape Equipment

Season	Unit	Value
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Snow Days	day/yr	0.00
Summer Days	day/yr	250

### 5.11. Operational Energy Consumption

#### 5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	229,845	346	0.0330	0.0040	694,775
Hotel	848,178	346	0.0330	0.0040	1,757,693
Quality Restaurant	1,433,084	346	0.0330	0.0040	4,168,104
Health Club	377,763	346	0.0330	0.0040	1,378,123
Regional Shopping Center	74,674	346	0.0330	0.0040	36,931
General Office Building	1,831,806	346	0.0330	0.0040	2,310,564
Enclosed Parking with Elevator	1,383,549	346	0.0330	0.0040	0.00
Parking Lot	0.00	346	0.0330	0.0040	0.00

### 5.12. Operational Water and Wastewater Consumption

#### 5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	2,609,166	0.00
Hotel	1,268,339	0.00
Quality Restaurant	13,355,483	0.00
Health Club	2,306,583	0.00
Regional Shopping Center	555,544	0.00
General Office Building	20,439,381	0.00

Enclosed Parking with Elevator	0.00	0.00
Parking Lot	0.00	0.00

### 5.13. Operational Waste Generation

#### 5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	51.7	—
Hotel	27.4	—
Quality Restaurant	40.1	—
Health Club	222	—
Regional Shopping Center	7.88	—
General Office Building	107	—
Enclosed Parking with Elevator	0.00	—
Parking Lot	0.00	—

### 5.14. Operational Refrigeration and Air Conditioning Equipment

#### 5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0

Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

## 5.15. Operational Off-Road Equipment

### 5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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## 5.16. Stationary Sources

### 5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
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Emergency Generator	Diesel	3.00	0.33	50.0	1,676	0.73
Emergency Generator	Diesel	3.00	0.33	50.0	2,012	0.73
Emergency Generator	Diesel	1.00	0.33	50.0	2,682	0.73

### 5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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### 5.17. User Defined

Equipment Type	Fuel Type
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### 5.18. Vegetation

#### 5.18.1. Land Use Change

##### 5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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#### 5.18.1. Biomass Cover Type

##### 5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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#### 5.18.2. Sequestration

##### 5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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## 6. Climate Risk Detailed Report

### 6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	7.73	annual days of extreme heat
Extreme Precipitation	7.05	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.30	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

### 6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	0	0	0	N/A
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The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

### 6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

### 6.4. Climate Risk Reduction Measures

## 7. Health and Equity Details

### 7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—

AQ-Ozone	55.4
AQ-PM	69.5
AQ-DPM	88.3
Drinking Water	49.1
Lead Risk Housing	62.9
Pesticides	0.00
Toxic Releases	74.6
Traffic	65.7
Effect Indicators	—
CleanUp Sites	62.9
Groundwater	0.00
Haz Waste Facilities/Generators	81.9
Impaired Water Bodies	0.00
Solid Waste	59.2
Sensitive Population	—
Asthma	27.0
Cardio-vascular	33.9
Low Birth Weights	24.8
Socioeconomic Factor Indicators	—
Education	5.86
Housing	41.4
Linguistic	32.6
Poverty	21.7
Unemployment	62.4

## 7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	85.3586552
Employed	53.24008726
Median HI	91.35121263
Education	—
Bachelor's or higher	97.89554729
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	59.70742974
Active commuting	63.5698704
Social	—
2-parent households	26.03618632
Voting	66.04645194
Neighborhood	—
Alcohol availability	40.15141794
Park access	34.58231746
Retail density	88.78480688
Supermarket access	78.69883229
Tree canopy	70.69164635
Housing	—
Homeownership	29.61632234
Housing habitability	68.45887335
Low-inc homeowner severe housing cost burden	93.90478635
Low-inc renter severe housing cost burden	47.88913127
Uncrowded housing	83.16437829



Health Outcomes	—
Insured adults	87.48877197
Arthritis	0.0
Asthma ER Admissions	94.2
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	96.8
Cognitively Disabled	76.7
Physically Disabled	69.8
Heart Attack ER Admissions	84.0
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	67.2
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	84.9
Elderly	10.6
English Speaking	65.5
Foreign-born	51.6
Outdoor Workers	94.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	27.4
Traffic Density	81.1
Traffic Access	87.4
Other Indices	—
Hardship	7.4
Other Decision Support	—
2016 Voting	57.0

### 7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	38.0
Healthy Places Index Score for Project Location (b)	88.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

### 7.4. Health & Equity Measures

No Health & Equity Measures selected.

### 7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

## 7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

## 8. User Changes to Default Data

Screen	Justification
Land Use	Based on applicant provided information
Construction: Construction Phases	Based on applicant provided information
Construction: Off-Road Equipment	Based on applicant provided information
Construction: Trips and VMT	Trips based on Construction Management Plan. Hauled material would be transported to Inglewood landfill site. Maximum of 350 construction workers onsite at a time
Construction: Architectural Coatings	Based on SCAQMD Rule 1113
Operations: Vehicle Data	Based on Fehr and Peers LTA Report. Included Social Club and Spa vehicle trips in the General Office land use building
Operations: Fleet Mix	Fleet Mix for Regional Shopping Center was adjusted to include 80 delivery trips, consisting of 50% HHD and 50% MHD. Assumed no additional light, medium, and heavy duty trips during operations
Operations: Hearths	5 natural gas fireplaces based on applicant provided information
Operations: Architectural Coatings	Based on SCAQMD Rule 1113
Operations: Energy Use	Based on applicant provided information, natural gas would only be used for the restaurant and club. Natural gas defaults for remaining land uses were converted to Kwh and added to electricity defaults
Operations: Emergency Generators and Fire Pumps	Based on applicant provided data. Assumed under testing would occur a max 20 minutes per day and 50 hours per year

# 9600 Wilshire Boulevard Specific Plan Revised Scenario 3 Detailed Report

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# 1. Basic Project Information

## 1.1. Basic Project Information

Data Field	Value
Project Name	9600 Wilshire Boulevard Specific Plan Revised Scenario 3
Construction Start Date	8/1/2024
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	19.6
Location	9600 Wilshire Blvd, Beverly Hills, CA 90210, USA
County	Los Angeles-South Coast
City	Beverly Hills
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4315
EDFZ	16
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.21

## 1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
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Apartments Mid Rise	145	Dwelling Unit	3.20	139,200	0.00	0.00	429	—
Hotel	0.00	Room	0.00	0.00	0.00	0.00	—	—
Quality Restaurant	84.0	1000sqft	0.00	84,000	0.00	0.00	—	—
Health Club	19.0	1000sqft	0.00	19,000	0.00	0.00	—	—
Regional Shopping Center	15.0	1000sqft	0.00	15,000	0.00	0.00	—	—
General Office Building	40.0	1000sqft	0.00	40,000	0.00	0.00	—	—
Enclosed Parking with Elevator	937	Space	0.00	374,800	0.00	0.00	—	—
Parking Lot	12.0	Space	0.00	0.00	0.00	0.00	—	—

### 1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

## 2. Emissions Summary

### 2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.2	102	98.8	0.51	2.31	20.5	22.8	2.16	5.34	7.50	—	74,883	74,883	3.50	9.07	144	77,816
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	48.4	111	120	0.51	2.50	20.5	23.0	2.34	5.34	7.68	—	75,742	75,742	3.52	9.07	3.94	78,538
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	7.80	50.7	60.7	0.22	1.36	8.40	9.76	1.25	2.11	3.37	—	31,315	31,315	1.42	2.96	22.5	32,254
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.42	9.24	11.1	0.04	0.25	1.53	1.78	0.23	0.39	0.61	—	5,185	5,185	0.23	0.49	3.73	5,340

## 2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.12	9.38	11.6	0.02	0.39	0.23	0.61	0.36	0.05	0.41	—	1,827	1,827	0.07	0.02	0.97	1,836
2025	1.07	9.10	11.5	0.02	0.35	0.23	0.58	0.33	0.05	0.38	—	1,822	1,822	0.07	0.02	0.89	1,831
2026	7.71	102	98.8	0.51	2.31	20.5	22.8	2.16	5.34	7.50	—	74,883	74,883	3.50	9.07	144	77,816
2027	12.2	34.3	52.3	0.07	1.22	5.45	6.68	1.13	1.32	2.44	—	13,134	13,134	0.55	0.64	22.7	13,362
2028	12.1	33.7	71.6	0.07	1.19	5.45	6.64	1.09	1.32	2.41	—	12,981	12,981	0.37	0.64	20.8	13,202
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.12	9.39	11.4	0.02	0.39	0.23	0.61	0.36	0.05	0.41	—	1,814	1,814	0.07	0.02	0.03	1,823
2025	48.4	111	120	0.51	2.50	20.5	23.0	2.34	5.34	7.68	—	75,742	75,742	3.52	9.07	3.94	78,538
2026	7.68	105	95.6	0.51	2.31	20.5	22.8	2.16	5.34	7.50	—	74,645	74,645	3.51	9.07	3.73	77,438
2027	12.2	44.3	74.5	0.16	1.44	5.97	7.41	1.33	1.37	2.70	—	22,336	22,336	0.79	0.72	0.59	22,571
2028	12.1	34.0	48.1	0.07	1.19	5.45	6.64	1.09	1.32	2.41	—	12,746	12,746	0.38	0.64	0.54	12,948
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.33	2.81	3.44	0.01	0.12	0.07	0.18	0.11	0.02	0.12	—	544	544	0.02	0.01	0.13	547
2025	6.76	16.4	26.4	0.06	0.59	2.27	2.86	0.53	0.55	1.09	—	7,927	7,927	0.35	0.68	5.82	8,146
2026	5.28	50.7	60.7	0.22	1.36	8.40	9.76	1.25	2.11	3.37	—	31,315	31,315	1.42	2.96	22.5	32,254

2027	7.80	26.5	40.2	0.07	0.91	3.94	4.85	0.84	0.94	1.78	—	10,921	10,921	0.36	0.47	6.99	11,078
2028	5.28	16.0	28.7	0.04	0.53	2.89	3.42	0.49	0.70	1.18	—	6,498	6,498	0.19	0.34	4.81	6,609
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.06	0.51	0.63	< 0.005	0.02	0.01	0.03	0.02	< 0.005	0.02	—	90.1	90.1	< 0.005	< 0.005	0.02	90.5
2025	1.23	3.00	4.82	0.01	0.11	0.41	0.52	0.10	0.10	0.20	—	1,312	1,312	0.06	0.11	0.96	1,349
2026	0.96	9.24	11.1	0.04	0.25	1.53	1.78	0.23	0.39	0.61	—	5,185	5,185	0.23	0.49	3.73	5,340
2027	1.42	4.84	7.33	0.01	0.17	0.72	0.89	0.15	0.17	0.32	—	1,808	1,808	0.06	0.08	1.16	1,834
2028	0.96	2.92	5.23	0.01	0.10	0.53	0.62	0.09	0.13	0.22	—	1,076	1,076	0.03	0.06	0.80	1,094

### 2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	45.1	47.9	248	0.46	1.60	43.0	44.6	1.57	10.9	12.4	263	53,915	54,178	29.8	1.57	243	55,636
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	40.3	48.9	203	0.44	1.55	43.0	44.6	1.53	10.9	12.4	263	51,788	52,051	29.9	1.67	135	53,431
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	37.0	26.6	169	0.29	0.87	27.5	28.4	0.85	6.96	7.81	263	36,769	37,032	29.4	1.36	164	38,335
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.74	4.85	30.8	0.05	0.16	5.02	5.18	0.15	1.27	1.42	43.6	6,088	6,131	4.86	0.23	27.1	6,347

### 2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	25.9	11.2	195	0.40	0.22	43.0	43.2	0.21	10.9	11.1	—	40,908	40,908	2.35	1.28	111	41,460
Area	11.6	0.27	31.4	< 0.005	0.05	—	0.05	0.03	—	0.03	0.00	117	117	< 0.005	< 0.005	—	118
Energy	0.16	2.92	2.30	0.02	0.22	—	0.22	0.22	—	0.22	—	8,787	8,787	0.81	0.07	—	8,828
Water	—	—	—	—	—	—	—	—	—	—	77.1	260	337	7.93	0.19	—	592
Waste	—	—	—	—	—	—	—	—	—	—	186	0.00	186	18.6	0.00	—	651
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	133	133
Stationary	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855
Total	45.1	47.9	248	0.46	1.60	43.0	44.6	1.57	10.9	12.4	263	53,915	54,178	29.8	1.57	243	55,636
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	25.5	12.4	182	0.38	0.22	43.0	43.2	0.21	10.9	11.1	—	38,898	38,898	2.45	1.38	2.87	39,373
Area	7.08	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
Energy	0.16	2.92	2.30	0.02	0.22	—	0.22	0.22	—	0.22	—	8,787	8,787	0.81	0.07	—	8,828
Water	—	—	—	—	—	—	—	—	—	—	77.1	260	337	7.93	0.19	—	592
Waste	—	—	—	—	—	—	—	—	—	—	186	0.00	186	18.6	0.00	—	651
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	133	133
Stationary	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855
Total	40.3	48.9	203	0.44	1.55	43.0	44.6	1.53	10.9	12.4	263	51,788	52,051	29.9	1.67	135	53,431
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	23.5	9.68	137	0.26	0.16	27.5	27.7	0.15	6.96	7.10	—	26,061	26,061	1.95	1.09	31.0	26,466
Area	10.2	0.19	21.5	< 0.005	0.03	—	0.03	0.02	—	0.02	0.00	80.3	80.3	< 0.005	< 0.005	—	80.6

Energy	0.16	2.92	2.30	0.02	0.22	—	0.22	0.22	—	0.22	—	8,787	8,787	0.81	0.07	—	8,828
Water	—	—	—	—	—	—	—	—	—	—	77.1	260	337	7.93	0.19	—	592
Waste	—	—	—	—	—	—	—	—	—	—	186	0.00	186	18.6	0.00	—	651
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	133	133
Stationary	3.09	13.8	7.88	0.01	0.45	0.00	0.45	0.45	0.00	0.45	0.00	1,581	1,581	0.06	0.01	0.00	1,586
Total	37.0	26.6	169	0.29	0.87	27.5	28.4	0.85	6.96	7.81	263	36,769	37,032	29.4	1.36	164	38,335
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.29	1.77	25.0	0.05	0.03	5.02	5.05	0.03	1.27	1.30	—	4,315	4,315	0.32	0.18	5.14	4,382
Area	1.86	0.03	3.93	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	0.00	13.3	13.3	< 0.005	< 0.005	—	13.3
Energy	0.03	0.53	0.42	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,455	1,455	0.13	0.01	—	1,462
Water	—	—	—	—	—	—	—	—	—	—	12.8	43.0	55.8	1.31	0.03	—	98.0
Waste	—	—	—	—	—	—	—	—	—	—	30.8	0.00	30.8	3.08	0.00	—	108
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.9	21.9
Stationary	0.56	2.52	1.44	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	262	262	0.01	< 0.005	0.00	263
Total	6.74	4.85	30.8	0.05	0.16	5.02	5.18	0.15	1.27	1.42	43.6	6,088	6,131	4.86	0.23	27.1	6,347

### 3. Construction Emissions Details

#### 3.1. Demolition (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	46.8	32.3	97.1	0.10	2.06	—	2.06	1.78	—	1.78	—	9,852	9,852	0.40	0.08	—	9,885
Demolition	—	—	—	—	—	1.73	1.73	—	0.26	0.26	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.51	3.80	11.4	0.01	0.24	—	0.24	0.21	—	0.21	—	1,161	1,161	0.05	0.01	—	1,165
Demolition	—	—	—	—	—	0.20	0.20	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.69	2.09	< 0.005	0.04	—	0.04	0.04	—	0.04	—	192	192	0.01	< 0.005	—	193
Demolition	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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

Hauling	0.02	2.47	0.82	0.01	0.03	0.59	0.61	0.03	0.16	0.19	—	2,154	2,154	0.10	0.34	0.13	2,257
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	< 0.005	0.30	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	254	254	0.01	0.04	0.26	266
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.0	42.0	< 0.005	0.01	0.04	44.1

### 3.3. Excavation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.03	44.0	55.1	0.14	1.77	—	1.77	1.63	—	1.63	—	14,767	14,767	0.60	0.12	—	14,817
Dust From Material Movement	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.37	2.67	3.34	0.01	0.11	—	0.11	0.10	—	0.10	—	896	896	0.04	0.01	—	899
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.49	0.61	< 0.005	0.02	—	0.02	0.02	—	0.02	—	148	148	0.01	< 0.005	—	149
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	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
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.5. Excavation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.83	41.3	55.1	0.14	1.57	—	1.57	1.45	—	1.45	—	14,782	14,782	0.60	0.12	—	14,832
Dust From Material Movement	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.83	41.3	55.1	0.14	1.57	—	1.57	1.45	—	1.45	—	14,782	14,782	0.60	0.12	—	14,832
Dust From Material Movement	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	4.16	29.5	39.3	0.10	1.12	—	1.12	1.03	—	1.03	—	10,558	10,558	0.43	0.09	—	10,595
Dust From Material Movement	—	—	—	—	—	0.37	0.37	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.76	5.38	7.18	0.02	0.21	—	0.21	0.19	—	0.19	—	1,748	1,748	0.07	0.01	—	1,754
Dust From Material Movement	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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

Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.7. Excavation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.69	39.2	55.0	0.14	1.42	—	1.42	1.30	—	1.30	—	14,777	14,777	0.60	0.12	—	14,828
Dust From Material Movement	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.00	6.91	9.69	0.02	0.25	—	0.25	0.23	—	0.23	—	2,603	2,603	0.11	0.02	—	2,612

Dust From Material Movement	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	1.26	1.77	< 0.005	0.05	—	0.05	0.04	—	0.04	—	431	431	0.02	< 0.005	—	432
Dust From Material Movement	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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

Hauling	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
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### 3.9. Excavation - Soil Export (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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



Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.48	61.0	20.2	0.35	0.69	14.5	15.1	0.69	3.96	4.65	—	53,125	53,125	2.57	8.32	3.25	55,673
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.03	3.76	1.22	0.02	0.04	0.87	0.91	0.04	0.24	0.28	—	3,223	3,223	0.16	0.50	3.28	3,380
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.01	0.69	0.22	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	534	534	0.03	0.08	0.54	560

### 3.11. Excavation - Soil Export (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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

Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.50	56.3	19.4	0.35	0.69	14.5	15.1	0.69	3.96	4.65	—	52,153	52,153	2.57	8.32	119	54,817
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.48	58.5	19.5	0.35	0.69	14.5	15.1	0.69	3.96	4.65	—	52,160	52,160	2.57	8.32	3.09	54,708
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.14	17.3	5.67	0.10	0.20	4.18	4.38	0.20	1.14	1.34	—	15,208	15,208	0.75	2.43	14.9	15,965
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.03	3.16	1.03	0.02	0.04	0.76	0.80	0.04	0.21	0.25	—	2,518	2,518	0.12	0.40	2.47	2,643

### 3.13. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.39	29.7	29.6	0.05	1.20	—	1.20	1.10	—	1.10	—	5,336	5,336	0.22	0.04	—	5,354
Architectural Coatings	7.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.39	29.7	29.6	0.05	1.20	—	1.20	1.10	—	1.10	—	5,336	5,336	0.22	0.04	—	5,354
Architectural Coatings	7.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.82	16.0	15.9	0.03	0.65	—	0.65	0.59	—	0.59	—	2,872	2,872	0.12	0.02	—	2,882
Architectural Coatings	4.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.33	2.92	2.91	< 0.005	0.12	—	0.12	0.11	—	0.11	—	475	475	0.02	< 0.005	—	477
Architectural Coatings	0.74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.15. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.35	29.3	29.7	0.05	1.16	—	1.16	1.07	—	1.07	—	5,338	5,338	0.22	0.04	—	5,357
Architectural Coatings	7.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.35	29.3	29.7	0.05	1.16	—	1.16	1.07	—	1.07	—	5,338	5,338	0.22	0.04	—	5,357
Architectural Coatings	7.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	12.2	12.4	0.02	0.48	—	0.48	0.45	—	0.45	—	2,225	2,225	0.09	0.02	—	2,233
Architectural Coatings	3.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	2.23	2.26	< 0.005	0.09	—	0.09	0.08	—	0.08	—	368	368	0.01	< 0.005	—	370
Architectural Coatings	0.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.17. Construction Workers (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



Worker	1.49	1.68	20.6	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,587	4,587	0.21	0.17	0.46	4,645
Vendor	0.09	3.87	1.83	0.02	0.05	0.88	0.93	0.02	0.24	0.27	—	3,264	3,264	0.14	0.46	0.23	3,404
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.33	3.90	0.00	0.00	0.81	0.81	0.00	0.19	0.19	—	838	838	0.04	0.03	1.38	849
Vendor	0.02	0.70	0.33	< 0.005	0.01	0.16	0.17	< 0.005	0.04	0.05	—	587	587	0.02	0.08	0.70	613
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.71	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	139	139	0.01	< 0.005	0.23	141
Vendor	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	97.3	97.3	< 0.005	0.01	0.12	102
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.19. Construction Workers (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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

Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.29	1.36	22.6	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,742	4,742	0.20	0.17	16.0	4,812
Vendor	0.10	3.53	1.71	0.02	0.05	0.88	0.93	0.02	0.24	0.27	—	3,206	3,206	0.13	0.46	8.66	3,354
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.28	1.52	19.3	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,496	4,496	0.20	0.17	0.42	4,550
Vendor	0.09	3.70	1.75	0.02	0.05	0.88	0.93	0.02	0.24	0.27	—	3,207	3,207	0.13	0.46	0.22	3,347
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.91	1.18	14.4	0.00	0.00	3.23	3.23	0.00	0.76	0.76	—	3,258	3,258	0.15	0.12	4.96	3,302
Vendor	0.07	2.65	1.24	0.02	0.03	0.62	0.65	0.02	0.17	0.19	—	2,290	2,290	0.10	0.33	2.67	2,393
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.17	0.22	2.63	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	539	539	0.02	0.02	0.82	547
Vendor	0.01	0.48	0.23	< 0.005	0.01	0.11	0.12	< 0.005	0.03	0.03	—	379	379	0.02	0.05	0.44	396
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.21. Construction Workers (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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

Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.24	1.21	21.0	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,651	4,651	0.20	0.17	14.5	4,720
Vendor	0.10	3.38	1.61	0.02	0.02	0.88	0.90	0.02	0.24	0.27	—	3,144	3,144	0.13	0.43	8.20	3,285
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.22	1.51	17.8	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,410	4,410	0.06	0.17	0.38	4,461
Vendor	0.09	3.52	1.65	0.02	0.02	0.88	0.90	0.02	0.24	0.27	—	3,146	3,146	0.13	0.43	0.21	3,278
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.87	1.08	13.4	0.00	0.00	3.23	3.23	0.00	0.76	0.76	—	3,196	3,196	0.04	0.12	4.46	3,237
Vendor	0.07	2.53	1.16	0.02	0.02	0.62	0.64	0.02	0.17	0.19	—	2,246	2,246	0.10	0.31	2.53	2,343
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.20	2.44	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	529	529	0.01	0.02	0.74	536
Vendor	0.01	0.46	0.21	< 0.005	< 0.005	0.11	0.12	< 0.005	0.03	0.03	—	372	372	0.02	0.05	0.42	388
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.23. Construction Workers (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.20	1.19	19.7	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,568	4,568	0.05	0.17	13.0	4,632
Vendor	0.07	3.23	1.56	0.02	0.02	0.88	0.90	0.02	0.24	0.27	—	3,070	3,070	0.11	0.43	7.77	3,210
Hauling	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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.19	1.36	16.8	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,331	4,331	0.05	0.17	0.34	4,382
Vendor	0.07	3.37	1.57	0.02	0.02	0.88	0.90	0.02	0.24	0.27	—	3,072	3,072	0.11	0.43	0.20	3,205
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.63	0.72	9.41	0.00	0.00	2.42	2.42	0.00	0.57	0.57	—	2,357	2,357	0.03	0.09	3.02	2,387
Vendor	0.04	1.82	0.83	0.01	0.01	0.47	0.48	0.01	0.13	0.14	—	1,647	1,647	0.06	0.23	1.79	1,719
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.13	1.72	0.00	0.00	0.44	0.44	0.00	0.10	0.10	—	390	390	< 0.005	0.01	0.50	395
Vendor	0.01	0.33	0.15	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	273	273	0.01	0.04	0.30	285
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.25. Utility Relocation (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	9.29	10.3	0.02	0.39	—	0.39	0.36	—	0.36	—	1,580	1,580	0.06	0.01	—	1,586
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	9.29	10.3	0.02	0.39	—	0.39	0.36	—	0.36	—	1,580	1,580	0.06	0.01	—	1,586
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	2.78	3.09	0.01	0.12	—	0.12	0.11	—	0.11	—	473	473	0.02	< 0.005	—	475
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.51	0.56	< 0.005	0.02	—	0.02	0.02	—	0.02	—	78.3	78.3	< 0.005	< 0.005	—	78.6
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.32	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	247	247	0.01	0.01	0.97	251
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.10	1.12	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	234	234	0.01	0.01	0.03	237

Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.35	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	71.2	71.2	< 0.005	< 0.005	0.13	72.1
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.8	11.8	< 0.005	< 0.005	0.02	11.9
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.27. Utility Relocation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.00	9.02	10.3	0.02	0.35	—	0.35	0.33	—	0.33	—	1,580	1,580	0.06	0.01	—	1,586
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.00	9.02	10.3	0.02	0.35	—	0.35	0.33	—	0.33	—	1,580	1,580	0.06	0.01	—	1,586
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



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Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	4.82	5.50	0.01	0.19	—	0.19	0.17	—	0.17	—	844	844	0.03	0.01	—	847
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.88	1.00	< 0.005	0.03	—	0.03	0.03	—	0.03	—	140	140	0.01	< 0.005	—	140
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.22	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	242	242	0.01	0.01	0.89	246
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.08	1.03	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	229	229	0.01	0.01	0.02	232
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.58	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	124	124	0.01	< 0.005	0.20	126
Vendor	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

Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	20.6	20.6	< 0.005	< 0.005	0.03	20.9
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.29. Paving (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	10.7	50.3	0.01	0.25	—	0.25	0.23	—	0.23	—	2,196	2,196	0.07	0.01	—	2,201
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	1.29	6.06	< 0.005	0.03	—	0.03	0.03	—	0.03	—	265	265	0.01	< 0.005	—	265
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.24	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	43.8	43.8	< 0.005	< 0.005	—	43.9
Onsite truck	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

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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

## 4. Operations Emissions Details

### 4.1. Mobile Emissions by Land Use

#### 4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartment Mid Rise	1.82	0.82	15.5	0.03	0.02	3.54	3.56	0.02	0.90	0.91	—	3,325	3,325	0.18	0.09	9.07	3,366
Hotel	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
Quality Restaurant	20.7	8.47	157	0.32	0.18	34.7	34.9	0.16	8.79	8.95	—	32,767	32,767	1.87	0.98	88.9	33,196
Health Club	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
Regional Shopping Center	1.43	1.08	7.59	0.02	0.01	1.46	1.47	0.01	0.37	0.38	—	1,738	1,738	0.12	0.12	4.37	1,780
General Office Building	1.94	0.80	14.8	0.03	0.02	3.26	3.28	0.02	0.83	0.84	—	3,078	3,078	0.18	0.09	8.35	3,118
Enclosed Parking with Elevator	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
Parking Lot	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
Total	25.9	11.2	195	0.40	0.22	43.0	43.2	0.21	10.9	11.1	—	40,908	40,908	2.35	1.28	111	41,460
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartment Mid Rise	1.80	0.91	14.2	0.03	0.02	3.54	3.56	0.02	0.90	0.91	—	3,158	3,158	0.18	0.10	0.24	3,193
Hotel	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
Quality Restaurant	20.4	9.47	146	0.31	0.18	34.7	34.9	0.16	8.79	8.95	—	31,138	31,138	1.95	1.06	2.31	31,505
Health Club	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
Regional Shopping Center	1.41	1.16	7.43	0.02	0.01	1.46	1.47	0.01	0.37	0.38	—	1,677	1,677	0.13	0.12	0.11	1,716

General Office Building	1.91	0.89	13.7	0.03	0.02	3.26	3.28	0.02	0.83	0.84	—	2,925	2,925	0.18	0.10	0.22	2,959
Enclosed Parking with Elevator	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
Parking Lot	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
Total	25.5	12.4	182	0.38	0.22	43.0	43.2	0.21	10.9	11.1	—	38,898	38,898	2.45	1.38	2.87	39,373
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.33	0.17	2.67	0.01	< 0.005	0.64	0.64	< 0.005	0.16	0.16	—	530	530	0.03	0.02	0.65	537
Hotel	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
Quality Restaurant	3.37	1.23	18.4	0.03	0.02	3.55	3.57	0.02	0.90	0.92	—	3,033	3,033	0.24	0.13	3.61	3,081
Health Club	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
Regional Shopping Center	0.25	0.20	1.31	< 0.005	< 0.005	0.24	0.25	< 0.005	0.06	0.06	—	261	261	0.02	0.02	0.29	267
General Office Building	0.35	0.16	2.56	0.01	< 0.005	0.59	0.59	< 0.005	0.15	0.15	—	491	491	0.03	0.02	0.60	497
Enclosed Parking with Elevator	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
Parking Lot	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
Total	4.29	1.77	25.0	0.05	0.03	5.02	5.05	0.03	1.27	1.30	—	4,315	4,315	0.32	0.18	5.14	4,382

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	452	452	0.04	0.01	—	454
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	2,595	2,595	0.25	0.03	—	2,610
Health Club	—	—	—	—	—	—	—	—	—	—	—	175	175	0.02	< 0.005	—	176
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	142	142	0.01	< 0.005	—	142
General Office Building	—	—	—	—	—	—	—	—	—	—	—	604	604	0.06	0.01	—	608
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	1,312	1,312	0.13	0.02	—	1,320
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	5,279	5,279	0.50	0.06	—	5,310
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	452	452	0.04	0.01	—	454
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	2,595	2,595	0.25	0.03	—	2,610
Health Club	—	—	—	—	—	—	—	—	—	—	—	175	175	0.02	< 0.005	—	176
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	142	142	0.01	< 0.005	—	142
General Office Building	—	—	—	—	—	—	—	—	—	—	—	604	604	0.06	0.01	—	608
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	1,312	1,312	0.13	0.02	—	1,320
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	5,279	5,279	0.50	0.06	—	5,310
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	74.8	74.8	0.01	< 0.005	—	75.2
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	430	430	0.04	< 0.005	—	432
Health Club	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9	< 0.005	< 0.005	—	29.1
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	23.5	23.5	< 0.005	< 0.005	—	23.6
General Office Building	—	—	—	—	—	—	—	—	—	—	—	100	100	0.01	< 0.005	—	101

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	217	217	0.02	< 0.005	—	219
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	874	874	0.08	0.01	—	879

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.02	0.36	0.15	< 0.005	0.03	—	0.03	0.03	—	0.03	—	461	461	0.04	< 0.005	—	463
Hotel	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
Quality Restaurant	0.12	2.14	1.80	0.01	0.16	—	0.16	0.16	—	0.16	—	2,550	2,550	0.23	< 0.005	—	2,557
Health Club	0.01	0.18	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	215	215	0.02	< 0.005	—	216
Regional Shopping Center	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.7	23.7	< 0.005	< 0.005	—	23.7
General Office Building	0.01	0.22	0.18	< 0.005	0.02	—	0.02	0.02	—	0.02	—	258	258	0.02	< 0.005	—	258
Enclosed Parking with Elevator	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
Parking Lot	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



Total	0.16	2.92	2.30	0.02	0.22	—	0.22	0.22	—	0.22	—	3,508	3,508	0.31	0.01	—	3,518
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.02	0.36	0.15	< 0.005	0.03	—	0.03	0.03	—	0.03	—	461	461	0.04	< 0.005	—	463
Hotel	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
Quality Restaurant	0.12	2.14	1.80	0.01	0.16	—	0.16	0.16	—	0.16	—	2,550	2,550	0.23	< 0.005	—	2,557
Health Club	0.01	0.18	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	215	215	0.02	< 0.005	—	216
Regional Shopping Center	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.7	23.7	< 0.005	< 0.005	—	23.7
General Office Building	0.01	0.22	0.18	< 0.005	0.02	—	0.02	0.02	—	0.02	—	258	258	0.02	< 0.005	—	258
Enclosed Parking with Elevator	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
Parking Lot	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
Total	0.16	2.92	2.30	0.02	0.22	—	0.22	0.22	—	0.22	—	3,508	3,508	0.31	0.01	—	3,518
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	< 0.005	0.07	0.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	76.4	76.4	0.01	< 0.005	—	76.6
Hotel	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
Quality Restaurant	0.02	0.39	0.33	< 0.005	0.03	—	0.03	0.03	—	0.03	—	422	422	0.04	< 0.005	—	423
Health Club	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	35.6	35.6	< 0.005	< 0.005	—	35.7

Regional Shopping Center	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.92	3.92	< 0.005	< 0.005	—	3.93
General Office Building	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	42.6	42.6	< 0.005	< 0.005	—	42.8
Enclosed Parking with Elevator	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
Parking Lot	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
Total	0.03	0.53	0.42	< 0.005	0.04	—	0.04	0.04	—	0.04	—	581	581	0.05	< 0.005	—	582

### 4.3. Area Emissions by Source

#### 4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	6.36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscaping Equipment	4.52	0.27	31.4	< 0.005	0.05	—	0.05	0.03	—	0.03	—	117	117	< 0.005	< 0.005	—	118
Total	11.6	0.27	31.4	< 0.005	0.05	—	0.05	0.03	—	0.03	0.00	117	117	< 0.005	< 0.005	—	118

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	6.36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	7.08	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	1.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.57	0.03	3.93	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13.3	13.3	< 0.005	< 0.005	—	13.3
Total	1.86	0.03	3.93	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	0.00	13.3	13.3	< 0.005	< 0.005	—	13.3

#### 4.4. Water Emissions by Land Use

##### 4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartment Mid Rise	—	—	—	—	—	—	—	—	—	—	10.4	34.9	45.3	1.07	0.03	—	79.5
Hotel	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	48.9	165	213	5.03	0.12	—	375
Health Club	—	—	—	—	—	—	—	—	—	—	2.15	7.26	9.41	0.22	0.01	—	16.5
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	2.13	7.17	9.30	0.22	0.01	—	16.3
General Office Building	—	—	—	—	—	—	—	—	—	—	13.6	45.9	59.5	1.40	0.03	—	105
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	77.1	260	337	7.93	0.19	—	592
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartment Mid Rise	—	—	—	—	—	—	—	—	—	—	10.4	34.9	45.3	1.07	0.03	—	79.5
Hotel	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	48.9	165	213	5.03	0.12	—	375
Health Club	—	—	—	—	—	—	—	—	—	—	2.15	7.26	9.41	0.22	0.01	—	16.5
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	2.13	7.17	9.30	0.22	0.01	—	16.3

General Office Building	—	—	—	—	—	—	—	—	—	—	13.6	45.9	59.5	1.40	0.03	—	105
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	77.1	260	337	7.93	0.19	—	592
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	1.71	5.78	7.49	0.18	< 0.005	—	13.2
Hotel	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	8.09	27.3	35.3	0.83	0.02	—	62.1
Health Club	—	—	—	—	—	—	—	—	—	—	0.36	1.20	1.56	0.04	< 0.005	—	2.74
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	0.35	1.19	1.54	0.04	< 0.005	—	2.71
General Office Building	—	—	—	—	—	—	—	—	—	—	2.26	7.60	9.86	0.23	0.01	—	17.3
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	12.8	43.0	55.8	1.31	0.03	—	98.0

#### 4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	57.8	0.00	57.8	5.77	0.00	—	202
Hotel	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	41.3	0.00	41.3	4.13	0.00	—	145
Health Club	—	—	—	—	—	—	—	—	—	—	58.4	0.00	58.4	5.83	0.00	—	204
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	8.49	0.00	8.49	0.85	0.00	—	29.7
General Office Building	—	—	—	—	—	—	—	—	—	—	20.0	0.00	20.0	2.00	0.00	—	70.1
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	186	0.00	186	18.6	0.00	—	651
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	57.8	0.00	57.8	5.77	0.00	—	202
Hotel	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Quality Restaurant	—	—	—	—	—	—	—	—	—	—	41.3	0.00	41.3	4.13	0.00	—	145
Health Club	—	—	—	—	—	—	—	—	—	—	58.4	0.00	58.4	5.83	0.00	—	204
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	8.49	0.00	8.49	0.85	0.00	—	29.7
General Office Building	—	—	—	—	—	—	—	—	—	—	20.0	0.00	20.0	2.00	0.00	—	70.1
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	186	0.00	186	18.6	0.00	—	651
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	9.56	0.00	9.56	0.96	0.00	—	33.5
Hotel	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	6.84	0.00	6.84	0.68	0.00	—	23.9
Health Club	—	—	—	—	—	—	—	—	—	—	9.66	0.00	9.66	0.97	0.00	—	33.8
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	1.41	0.00	1.41	0.14	0.00	—	4.92
General Office Building	—	—	—	—	—	—	—	—	—	—	3.32	0.00	3.32	0.33	0.00	—	11.6

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	30.8	0.00	30.8	3.08	0.00	—	108

### 4.6. Refrigerant Emissions by Land Use

#### 4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.00	1.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	131	131
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.09	0.09
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	133	133



Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.00	1.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	131	131
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.09	0.09
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	133	133
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.17	0.17
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.9	21.9

### 4.7. Offroad Emissions By Equipment Type

#### 4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

### 4.8. Stationary Emissions By Equipment Type

#### 4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855

Total	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855
Total	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.56	2.52	1.44	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	262	262	0.01	< 0.005	0.00	263
Total	0.56	2.52	1.44	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	262	262	0.01	< 0.005	0.00	263

### 4.9. User Defined Emissions By Equipment Type

#### 4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

### 4.10. Soil Carbon Accumulation By Vegetation Type

#### 4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

#### 4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## 5. Activity Data

### 5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	10/1/2025	11/30/2025	5.00	43.0	—
Excavation	Grading	12/1/2025	3/31/2027	5.00	348	—
Excavation - Soil Export	Grading	12/1/2025	5/29/2026	5.00	130	—
Building Construction	Building Construction	4/1/2027	7/31/2028	5.00	348	—
Construction Workers	Building Construction	10/1/2025	9/30/2028	5.00	783	—
Utility Relocation	Paving	8/1/2024	9/30/2025	5.00	304	—
Paving	Paving	8/1/2028	9/30/2028	5.00	44.0	—

### 5.2. Off-Road Equipment

#### 5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	2.00	10.0	33.0	0.73
Demolition	Excavators	Diesel	Average	1.00	10.0	36.0	0.38
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	1.00	10.0	84.0	0.37

Demolition	Air Compressors	Diesel	Average	2.00	10.0	37.0	0.48
Demolition	Crawler Tractors	Diesel	Average	2.00	10.0	87.0	0.43
Demolition	Crushing/Proc. Equipment	Gasoline	Average	1.00	10.0	12.0	0.85
Demolition	Rubber Tired Loaders	Diesel	Average	1.00	10.0	150	0.36
Demolition	Off-Highway Trucks	Diesel	Average	4.00	10.0	376	0.38
Excavation	Graders	Diesel	Average	0.00	8.00	148	0.41
Excavation	Excavators	Diesel	Average	1.00	10.0	36.0	0.38
Excavation	Tractors/Loaders/Backhoes	Diesel	Average	3.00	10.0	84.0	0.37
Excavation	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Excavation	Bore/Drill Rigs	Diesel	Average	2.00	10.0	83.0	0.50
Excavation	Concrete/Industrial Saws	Diesel	Average	2.00	10.0	33.0	0.73
Excavation	Air Compressors	Diesel	Average	2.00	10.0	37.0	0.48
Excavation	Crawler Tractors	Diesel	Average	2.00	10.0	87.0	0.43
Excavation	Rubber Tired Loaders	Diesel	Average	1.00	10.0	150	0.36
Excavation	Off-Highway Trucks	Diesel	Average	6.00	10.0	376	0.38
Excavation - Soil Export	Graders	Diesel	Average	0.00	8.00	148	0.41
Excavation - Soil Export	Excavators	Diesel	Average	0.00	8.00	36.0	0.38
Excavation - Soil Export	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Excavation - Soil Export	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Building Construction	Cranes	Electric	Average	4.00	10.0	367	0.29
Building Construction	Forklifts	Diesel	Average	0.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	0.00	8.00	14.0	0.74
Building Construction	Welders	Electric	Average	6.00	10.0	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	2.00	10.0	84.0	0.37

Building Construction	Plate Compactors	Diesel	Average	2.00	10.0	8.00	0.43
Building Construction	Rubber Tired Dozers	Diesel	Average	2.00	10.0	367	0.40
Building Construction	Excavators	Diesel	Average	2.00	10.0	36.0	0.38
Building Construction	Pumps	Diesel	Average	2.00	10.0	11.0	0.74
Building Construction	Trenchers	Diesel	Average	2.00	10.0	40.0	0.50
Building Construction	Aerial Lifts	Electric	Average	6.00	10.0	46.0	0.31
Construction Workers	Cranes	Diesel	Average	0.00	7.00	367	0.29
Construction Workers	Forklifts	Diesel	Average	0.00	8.00	82.0	0.20
Construction Workers	Generator Sets	Diesel	Average	0.00	8.00	14.0	0.74
Construction Workers	Welders	Diesel	Average	0.00	8.00	46.0	0.45
Construction Workers	Tractors/Loaders/Backhoes	Diesel	Average	0.00	7.00	84.0	0.37
Utility Relocation	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Utility Relocation	Cement and Mortar Mixers	Diesel	Average	1.00	10.0	10.0	0.56
Utility Relocation	Pavers	Diesel	Average	1.00	10.0	81.0	0.42
Utility Relocation	Paving Equipment	Diesel	Average	1.00	10.0	89.0	0.36
Utility Relocation	Rollers	Diesel	Average	0.00	6.00	36.0	0.38
Utility Relocation	Generator Sets	Diesel	Average	2.00	10.0	14.0	0.74
Utility Relocation	Excavators	Diesel	Average	1.00	10.0	36.0	0.38
Utility Relocation	Concrete/Industrial Saws	Diesel	Average	1.00	10.0	33.0	0.73
Paving	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	10.0	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	10.0	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	10.0	89.0	0.36
Paving	Rollers	Diesel	Average	0.00	6.00	36.0	0.38



Paving	Pressure Washers	Diesel	Average	1.00	10.0	14.0	0.30
Paving	Sweepers/Scrubbers	Diesel	Average	1.00	10.0	36.0	0.46
Paving	Forklifts	CNG	Average	3.00	10.0	70.0	0.30
Paving	Dumpers/Tenders	Diesel	Average	2.00	10.0	16.0	0.38

### 5.3. Construction Vehicles

#### 5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Utility Relocation	—	—	—	—
Utility Relocation	Worker	17.5	18.5	LDA,LDT1,LDT2
Utility Relocation	Vendor	—	10.2	HHDT,MHDT
Utility Relocation	Hauling	0.00	20.0	HHDT
Utility Relocation	Onsite truck	—	—	HHDT
Demolition	—	—	—	—
Demolition	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	9.73	65.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Excavation	—	—	—	—
Excavation	Worker	0.00	18.5	LDA,LDT1,LDT2
Excavation	Vendor	—	10.2	HHDT,MHDT
Excavation	Hauling	0.00	20.0	HHDT
Excavation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT

Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Excavation - Soil Export	—	—	—	—
Excavation - Soil Export	Worker	0.00	18.5	LDA,LDT1,LDT2
Excavation - Soil Export	Vendor	—	10.2	HHDT,MHDT
Excavation - Soil Export	Hauling	240	65.0	HHDT
Excavation - Soil Export	Onsite truck	—	—	HHDT
Construction Workers	—	—	—	—
Construction Workers	Worker	350	18.5	LDA,LDT1,LDT2
Construction Workers	Vendor	103	10.2	HHDT,MHDT
Construction Workers	Hauling	0.00	20.0	HHDT
Construction Workers	Onsite truck	0.00	—	HHDT

### 5.4. Vehicles

#### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

### 5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Building Construction	448,732	149,577	395,718	131,906	—

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	116,445	—
Excavation	0.00	0.00	435	0.00	—
Excavation - Soil Export	0.00	198,950	0.00	0.00	—
Utility Relocation	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00

### 5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

## 5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
Hotel	0.00	0%
Quality Restaurant	0.00	0%
Health Club	0.00	0%
Regional Shopping Center	0.00	0%
General Office Building	0.00	0%
Enclosed Parking with Elevator	0.00	100%
Parking Lot	0.00	100%

### 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	349	0.03	< 0.005
2025	0.00	349	0.03	< 0.005
2026	0.00	346	0.03	< 0.005
2027	4,739	346	0.03	< 0.005
2028	4,739	346	0.03	< 0.005

### 5.9. Operational Mobile Sources

#### 5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	551	551	551	201,115	5,056	5,056	5,056	1,845,574
Hotel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quality Restaurant	6,482	6,482	6,482	2,366,037	19,539	49,598	49,598	10,266,577
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	524	524	524	191,404	1,834	2,050	2,050	691,835
General Office Building	609	609	609	222,245	4,659	4,659	4,659	1,700,475
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### 5.10. Operational Area Sources

#### 5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	68
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
448731.89999999997	149,577	395,718	131,906	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	476,107	346	0.0330	0.0040	1,439,177
Hotel	0.00	346	0.0330	0.0040	0.00
Quality Restaurant	2,735,887	346	0.0330	0.0040	7,957,290
Health Club	184,039	346	0.0330	0.0040	671,393
Regional Shopping Center	149,348	346	0.0330	0.0040	73,862
General Office Building	637,150	346	0.0330	0.0040	803,674
Enclosed Parking with Elevator	1,383,549	346	0.0330	0.0040	0.00
Parking Lot	0.00	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	5,404,701	0.00
Hotel	0.00	0.00
Quality Restaurant	25,496,832	0.00
Health Club	1,123,720	0.00
Regional Shopping Center	1,111,088	0.00
General Office Building	7,109,350	0.00
Enclosed Parking with Elevator	0.00	0.00
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	107	—
Hotel	0.00	—
Quality Restaurant	76.6	—
Health Club	108	—
Regional Shopping Center	15.8	—
General Office Building	37.2	—
Enclosed Parking with Elevator	0.00	—
Parking Lot	0.00	—

## 5.14. Operational Refrigeration and Air Conditioning Equipment

### 5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

## 5.15. Operational Off-Road Equipment

### 5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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## 5.16. Stationary Sources

### 5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	3.00	0.33	50.0	1,676	0.73
Emergency Generator	Diesel	3.00	0.33	50.0	2,012	0.73
Emergency Generator	Diesel	1.00	0.33	50.0	2,682	0.73

### 5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
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5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	7.73	annual days of extreme heat

Extreme Precipitation	7.05	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.30	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

### 6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

### 6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

## 6.4. Climate Risk Reduction Measures

# 7. Health and Equity Details

## 7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	55.4
AQ-PM	69.5
AQ-DPM	88.3
Drinking Water	49.1
Lead Risk Housing	62.9
Pesticides	0.00

Toxic Releases	74.6
Traffic	65.7
Effect Indicators	—
CleanUp Sites	62.9
Groundwater	0.00
Haz Waste Facilities/Generators	81.9
Impaired Water Bodies	0.00
Solid Waste	59.2
Sensitive Population	—
Asthma	27.0
Cardio-vascular	33.9
Low Birth Weights	24.8
Socioeconomic Factor Indicators	—
Education	5.86
Housing	41.4
Linguistic	32.6
Poverty	21.7
Unemployment	62.4

## 7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	85.3586552
Employed	53.24008726
Median HI	91.35121263
Education	—

Bachelor's or higher	97.89554729
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	59.70742974
Active commuting	63.5698704
Social	—
2-parent households	26.03618632
Voting	66.04645194
Neighborhood	—
Alcohol availability	40.15141794
Park access	34.58231746
Retail density	88.78480688
Supermarket access	78.69883229
Tree canopy	70.69164635
Housing	—
Homeownership	29.61632234
Housing habitability	68.45887335
Low-inc homeowner severe housing cost burden	93.90478635
Low-inc renter severe housing cost burden	47.88913127
Uncrowded housing	83.16437829
Health Outcomes	—
Insured adults	87.48877197
Arthritis	0.0
Asthma ER Admissions	94.2
High Blood Pressure	0.0
Cancer (excluding skin)	0.0

Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	96.8
Cognitively Disabled	76.7
Physically Disabled	69.8
Heart Attack ER Admissions	84.0
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	67.2
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	84.9
Elderly	10.6
English Speaking	65.5
Foreign-born	51.6
Outdoor Workers	94.8
Climate Change Adaptive Capacity	—

Impervious Surface Cover	27.4
Traffic Density	81.1
Traffic Access	87.4
Other Indices	—
Hardship	7.4
Other Decision Support	—
2016 Voting	57.0

### 7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	38.0
Healthy Places Index Score for Project Location (b)	88.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.  
 b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

### 7.4. Health & Equity Measures

No Health & Equity Measures selected.

### 7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

### 7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

## 8. User Changes to Default Data

Screen	Justification
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Land Use	Based on applicant provided information
Construction: Construction Phases	Based on applicant provided information
Construction: Off-Road Equipment	Based on applicant provided information
Construction: Trips and VMT	Trips based on Construction Management Plan. Hauled material would be transported to Inglewood landfill site. Maximum of 350 construction workers onsite at a time
Construction: Architectural Coatings	Based on SCAQMD Rule 1113
Operations: Vehicle Data	Based on Fehr and Peers LTA Report. Included Social Club and Spa vehicle trips in the General Office land use building
Operations: Fleet Mix	Fleet Mix for Regional Shopping Center was adjusted to include 80 delivery trips, consisting of 50% HHD and 50% MHD. Assumed no additional light, medium, and heavy duty trips during operations
Operations: Hearths	No Fireplaces
Operations: Architectural Coatings	Based on SCAQMD Rule 1113
Operations: Energy Use	Based on applicant provided information, natural gas would only be used for the restaurant and club. Natural gas defaults for remaining land uses were converted to Kwh and added to electricity defaults
Operations: Emergency Generators and Fire Pumps	Based on applicant provided data. Assumed under testing would occur a max 20 minutes per day and 50 hours per year



# 9600 Wilshire Boulevard Specific Plan Revised Scenario 1 Mitigated Detailed Report

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- 3.10. Excavation - Soil Export (2025) - Mitigated
- 3.11. Excavation - Soil Export (2026) - Unmitigated
- 3.12. Excavation - Soil Export (2026) - Mitigated
- 3.13. Building Construction (2027) - Unmitigated
- 3.14. Building Construction (2027) - Mitigated
- 3.15. Building Construction (2028) - Unmitigated
- 3.16. Building Construction (2028) - Mitigated
- 3.17. Construction Workers (2025) - Unmitigated
- 3.18. Construction Workers (2025) - Mitigated

3.19. Construction Workers (2026) - Unmitigated

3.20. Construction Workers (2026) - Mitigated

3.21. Construction Workers (2027) - Unmitigated

3.22. Construction Workers (2027) - Mitigated

3.23. Construction Workers (2028) - Unmitigated

3.24. Construction Workers (2028) - Mitigated

3.25. Utility Relocation (2024) - Unmitigated

3.26. Utility Relocation (2024) - Mitigated

3.27. Utility Relocation (2025) - Unmitigated

3.28. Utility Relocation (2025) - Mitigated

3.29. Paving (2028) - Unmitigated

3.30. Paving (2028) - Mitigated

#### 4. Operations Emissions Details

##### 4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

##### 4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

## 5.2. Off-Road Equipment

### 5.2.1. Unmitigated

### 5.2.2. Mitigated

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

### 5.3.2. Mitigated

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

## 5.5. Architectural Coatings

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

### 5.6.2. Construction Earthmoving Control Strategies

## 5.7. Construction Paving

## 5.8. Construction Electricity Consumption and Emissions Factors

## 5.9. Operational Mobile Sources

### 5.9.1. Unmitigated

### 5.9.2. Mitigated

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

#### 5.10.1.2. Mitigated

### 5.10.2. Architectural Coatings

### 5.10.3. Landscape Equipment

### 5.10.4. Landscape Equipment - Mitigated

## 5.11. Operational Energy Consumption

### 5.11.1. Unmitigated

### 5.11.2. Mitigated

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

### 5.12.2. Mitigated

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

### 5.13.2. Mitigated

## 5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration



5.18.2.1. Unmitigated

5.18.2.2. Mitigated

## 6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

## 7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

## 8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

Data Field	Value
Project Name	9600 Wilshire Boulevard Specific Plan Revised Scenario 1 Mitigated
Construction Start Date	8/1/2024
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	19.6
Location	9600 Wilshire Blvd, Beverly Hills, CA 90210, USA
County	Los Angeles-South Coast
City	Beverly Hills
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4315
EDFZ	16
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.21

## 1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
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Apartments Mid Rise	68.0	Dwelling Unit	3.20	221,596	0.00	0.00	201	—
Hotel	40.0	Room	0.00	47,412	0.00	0.00	—	—
Quality Restaurant	14.7	1000sqft	0.00	14,703	0.00	0.00	—	—
Health Club	17.2	1000sqft	0.00	17,215	0.00	0.00	—	—
Regional Shopping Center	39.6	1000sqft	0.00	39,579	0.00	0.00	—	—
General Office Building	145	1000sqft	0.00	144,903	0.00	0.00	—	—
Enclosed Parking with Elevator	397	Space	0.00	374,800	0.00	0.00	—	—
Parking Lot	12.0	Space	0.00	0.00	0.00	0.00	—	—

### 1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

## 2. Emissions Summary

### 2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.2	104	99.4	0.52	2.51	20.5	23.1	2.35	5.36	7.70	—	75,213	75,213	3.51	9.11	144	78,160
Mit.	10.1	74.4	127	0.52	1.02	20.5	21.6	0.99	5.36	6.35	—	75,213	75,213	3.51	9.11	144	78,160
% Reduced	18%	28%	-28%	—	60%	—	6%	58%	—	18%	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	48.4	111	121	0.52	2.53	20.5	23.1	2.37	5.36	7.72	—	76,075	76,075	3.53	9.11	3.96	78,884
Mit.	45.7	79.7	139	0.52	1.18	20.5	21.6	0.99	5.36	6.35	—	76,075	76,075	3.53	9.11	3.96	78,884
% Reduced	5%	28%	-15%	—	54%	—	7%	58%	—	18%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.84	52.0	61.2	0.22	1.51	8.52	10.0	1.39	2.14	3.53	—	31,755	31,755	1.44	3.02	23.0	32,714
Mit.	6.13	30.8	80.9	0.22	0.44	8.52	8.95	0.42	2.14	2.56	—	31,755	31,755	1.44	3.02	23.0	32,714
% Reduced	22%	41%	-32%	—	71%	—	11%	70%	—	27%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.43	9.49	11.2	0.04	0.28	1.55	1.83	0.25	0.39	0.64	—	5,257	5,257	0.24	0.50	3.80	5,416
Mit.	1.12	5.63	14.8	0.04	0.08	1.55	1.63	0.08	0.39	0.47	—	5,257	5,257	0.24	0.50	3.80	5,416
% Reduced	22%	41%	-32%	—	71%	—	11%	70%	—	27%	—	—	—	—	—	—	—

## 2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.12	9.38	11.6	0.02	0.39	0.23	0.61	0.36	0.05	0.41	—	1,827	1,827	0.07	0.02	0.97	1,836
2025	1.07	9.10	11.5	0.02	0.35	0.23	0.58	0.33	0.05	0.38	—	1,822	1,822	0.07	0.02	0.89	1,831
2026	7.90	104	99.4	0.52	2.51	20.5	23.1	2.35	5.36	7.70	—	75,213	75,213	3.51	9.11	144	78,160
2027	12.2	34.6	52.4	0.08	1.22	5.53	6.76	1.13	1.34	2.47	—	13,413	13,413	0.56	0.68	23.4	13,653

2028	12.1	34.0	71.7	0.08	1.19	5.53	6.72	1.10	1.34	2.43	—	13,253	13,253	0.38	0.68	21.5	13,487
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.12	9.39	11.4	0.02	0.39	0.23	0.61	0.36	0.05	0.41	—	1,814	1,814	0.07	0.02	0.03	1,823
2025	48.4	111	121	0.52	2.53	20.5	23.1	2.37	5.36	7.72	—	76,075	76,075	3.53	9.11	3.96	78,884
2026	7.88	107	96.2	0.52	2.51	20.5	23.1	2.35	5.36	7.70	—	74,975	74,975	3.52	9.11	3.75	77,781
2027	12.2	45.7	75.1	0.17	1.63	6.05	7.68	1.51	1.39	2.90	—	22,663	22,663	0.81	0.76	0.61	22,910
2028	12.1	34.3	48.2	0.08	1.19	5.53	6.72	1.10	1.34	2.43	—	13,018	13,018	0.39	0.68	0.56	13,232
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.33	2.81	3.44	0.01	0.12	0.07	0.18	0.11	0.02	0.12	—	544	544	0.02	0.01	0.13	547
2025	6.76	16.5	26.4	0.06	0.60	2.28	2.87	0.53	0.56	1.09	—	7,982	7,982	0.36	0.69	5.88	8,203
2026	5.42	52.0	61.2	0.22	1.51	8.52	10.0	1.39	2.14	3.53	—	31,755	31,755	1.44	3.02	23.0	32,714
2027	7.84	26.9	40.4	0.07	0.95	3.99	4.94	0.87	0.95	1.83	—	11,129	11,129	0.37	0.50	7.21	11,294
2028	5.29	16.2	28.8	0.04	0.53	2.93	3.46	0.49	0.71	1.19	—	6,644	6,644	0.19	0.36	4.97	6,761
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.06	0.51	0.63	< 0.005	0.02	0.01	0.03	0.02	< 0.005	0.02	—	90.1	90.1	< 0.005	< 0.005	0.02	90.5
2025	1.23	3.01	4.83	0.01	0.11	0.42	0.52	0.10	0.10	0.20	—	1,321	1,321	0.06	0.11	0.97	1,358
2026	0.99	9.49	11.2	0.04	0.28	1.55	1.83	0.25	0.39	0.64	—	5,257	5,257	0.24	0.50	3.80	5,416
2027	1.43	4.92	7.37	0.01	0.17	0.73	0.90	0.16	0.17	0.33	—	1,842	1,842	0.06	0.08	1.19	1,870
2028	0.96	2.95	5.25	0.01	0.10	0.53	0.63	0.09	0.13	0.22	—	1,100	1,100	0.03	0.06	0.82	1,119

### 2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2024	1.02	9.15	11.6	0.02	0.35	0.23	0.58	0.33	0.05	0.38	—	1,827	1,827	0.07	0.02	0.97	1,836
2025	0.98	8.89	11.5	0.02	0.33	0.23	0.55	0.30	0.05	0.35	—	1,822	1,822	0.07	0.02	0.89	1,831
2026	3.38	74.4	127	0.52	1.02	20.5	21.6	0.99	5.36	6.35	—	75,213	75,213	3.51	9.11	144	78,160
2027	10.1	14.0	52.3	0.08	0.33	5.53	5.86	0.31	1.34	1.65	—	13,413	13,413	0.56	0.68	23.4	13,653
2028	9.98	15.4	71.7	0.08	0.31	5.53	5.85	0.30	1.34	1.63	—	13,253	13,253	0.38	0.68	21.5	13,487
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.02	9.17	11.4	0.02	0.35	0.23	0.58	0.33	0.05	0.38	—	1,814	1,814	0.07	0.02	0.03	1,823
2025	45.7	79.7	139	0.52	1.18	20.5	21.6	0.99	5.36	6.35	—	76,075	76,075	3.53	9.11	3.96	78,884
2026	3.35	77.0	124	0.52	1.02	20.5	21.6	0.99	5.36	6.35	—	74,975	74,975	3.52	9.11	3.75	77,781
2027	10.1	18.2	103	0.17	0.33	6.05	6.35	0.31	1.39	1.70	—	22,663	22,663	0.81	0.76	0.61	22,910
2028	9.97	14.1	48.0	0.08	0.31	5.53	5.85	0.30	1.34	1.63	—	13,018	13,018	0.39	0.68	0.56	13,232
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.30	2.74	3.43	0.01	0.11	0.07	0.17	0.10	0.02	0.11	—	544	544	0.02	0.01	0.13	547
2025	6.13	12.2	30.3	0.06	0.37	2.28	2.65	0.33	0.56	0.89	—	7,982	7,982	0.36	0.69	5.88	8,203
2026	2.19	30.8	80.9	0.22	0.44	8.52	8.95	0.42	2.14	2.56	—	31,755	31,755	1.44	3.02	23.0	32,714
2027	5.90	11.0	45.2	0.07	0.23	3.99	4.22	0.22	0.95	1.17	—	11,129	11,129	0.37	0.50	7.21	11,294
2028	4.39	7.76	28.7	0.04	0.16	2.93	3.09	0.15	0.71	0.86	—	6,644	6,644	0.19	0.36	4.97	6,761
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.06	0.50	0.63	< 0.005	0.02	0.01	0.03	0.02	< 0.005	0.02	—	90.1	90.1	< 0.005	< 0.005	0.02	90.5
2025	1.12	2.23	5.53	0.01	0.07	0.42	0.48	0.06	0.10	0.16	—	1,321	1,321	0.06	0.11	0.97	1,358
2026	0.40	5.63	14.8	0.04	0.08	1.55	1.63	0.08	0.39	0.47	—	5,257	5,257	0.24	0.50	3.80	5,416
2027	1.08	2.01	8.24	0.01	0.04	0.73	0.77	0.04	0.17	0.21	—	1,842	1,842	0.06	0.08	1.19	1,870
2028	0.80	1.42	5.23	0.01	0.03	0.53	0.56	0.03	0.13	0.16	—	1,100	1,100	0.03	0.06	0.82	1,119

## 2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	51.0	14.0	189	0.39	5.22	27.2	32.4	5.11	6.91	12.0	903	38,396	39,299	30.9	1.48	180	40,694
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	45.9	14.7	150	0.37	5.17	27.2	32.4	5.07	6.91	12.0	903	37,068	37,972	31.0	1.54	101	39,308
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	29.7	11.1	115	0.22	0.64	19.8	20.5	0.62	5.04	5.66	310	28,995	29,305	28.9	1.23	125	30,518
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.42	2.02	21.0	0.04	0.12	3.62	3.74	0.11	0.92	1.03	51.3	4,800	4,852	4.78	0.20	20.7	5,053

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.8	10.5	122	0.29	0.18	27.2	27.4	0.16	6.91	7.07	—	29,365	29,365	1.52	1.21	80.7	29,846
Area	34.1	1.68	66.2	0.09	4.91	—	4.91	4.80	—	4.80	637	1,342	1,979	1.90	0.02	—	2,033
Energy	0.10	1.85	1.48	0.01	0.14	—	0.14	0.14	—	0.14	—	7,446	7,446	0.69	0.06	—	7,482
Water	—	—	—	—	—	—	—	—	—	—	72.3	244	316	7.43	0.18	—	555
Waste	—	—	—	—	—	—	—	—	—	—	194	0.00	194	19.4	0.00	—	679
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	99.3	99.3
Total	51.0	14.0	189	0.39	5.22	27.2	32.4	5.11	6.91	12.0	903	38,396	39,299	30.9	1.48	180	40,694

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.6	11.4	114	0.28	0.18	27.2	27.4	0.16	6.91	7.07	—	28,162	28,162	1.59	1.28	2.09	28,584
Area	29.2	1.41	34.6	0.09	4.85	—	4.85	4.77	—	4.77	637	1,217	1,854	1.90	0.02	—	1,908
Energy	0.10	1.85	1.48	0.01	0.14	—	0.14	0.14	—	0.14	—	7,446	7,446	0.69	0.06	—	7,482
Water	—	—	—	—	—	—	—	—	—	—	72.3	244	316	7.43	0.18	—	555
Waste	—	—	—	—	—	—	—	—	—	—	194	0.00	194	19.4	0.00	—	679
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	99.3	99.3
Total	45.9	14.7	150	0.37	5.17	27.2	32.4	5.07	6.91	12.0	903	37,068	37,972	31.0	1.54	101	39,308
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.6	8.93	89.6	0.21	0.13	19.8	20.0	0.12	5.04	5.16	—	21,137	21,137	1.25	0.98	25.7	21,487
Area	16.0	0.28	24.0	0.01	0.37	—	0.37	0.35	—	0.35	43.6	169	212	0.13	< 0.005	—	216
Energy	0.10	1.85	1.48	0.01	0.14	—	0.14	0.14	—	0.14	—	7,446	7,446	0.69	0.06	—	7,482
Water	—	—	—	—	—	—	—	—	—	—	72.3	244	316	7.43	0.18	—	555
Waste	—	—	—	—	—	—	—	—	—	—	194	0.00	194	19.4	0.00	—	679
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	99.3	99.3
Total	29.7	11.1	115	0.22	0.64	19.8	20.5	0.62	5.04	5.66	310	28,995	29,305	28.9	1.23	125	30,518
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.48	1.63	16.3	0.04	0.02	3.62	3.64	0.02	0.92	0.94	—	3,499	3,499	0.21	0.16	4.26	3,557
Area	2.92	0.05	4.39	< 0.005	0.07	—	0.07	0.06	—	0.06	7.22	27.9	35.1	0.02	< 0.005	—	35.8
Energy	0.02	0.34	0.27	< 0.005	0.03	—	0.03	0.03	—	0.03	—	1,233	1,233	0.11	0.01	—	1,239
Water	—	—	—	—	—	—	—	—	—	—	12.0	40.3	52.3	1.23	0.03	—	91.9
Waste	—	—	—	—	—	—	—	—	—	—	32.1	0.00	32.1	3.21	0.00	—	112
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16.4	16.4
Total	5.42	2.02	21.0	0.04	0.12	3.62	3.74	0.11	0.92	1.03	51.3	4,800	4,852	4.78	0.20	20.7	5,053



## 2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.8	10.5	122	0.29	0.18	27.2	27.4	0.16	6.91	7.07	—	29,365	29,365	1.52	1.21	80.7	29,846
Area	34.1	1.68	66.2	0.09	4.91	—	4.91	4.80	—	4.80	637	1,342	1,979	1.90	0.02	—	2,033
Energy	0.10	1.85	1.48	0.01	0.14	—	0.14	0.14	—	0.14	—	7,446	7,446	0.69	0.06	—	7,482
Water	—	—	—	—	—	—	—	—	—	—	72.3	244	316	7.43	0.18	—	555
Waste	—	—	—	—	—	—	—	—	—	—	194	0.00	194	19.4	0.00	—	679
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	99.3	99.3
Total	51.0	14.0	189	0.39	5.22	27.2	32.4	5.11	6.91	12.0	903	38,396	39,299	30.9	1.48	180	40,694
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.6	11.4	114	0.28	0.18	27.2	27.4	0.16	6.91	7.07	—	28,162	28,162	1.59	1.28	2.09	28,584
Area	29.2	1.41	34.6	0.09	4.85	—	4.85	4.77	—	4.77	637	1,217	1,854	1.90	0.02	—	1,908
Energy	0.10	1.85	1.48	0.01	0.14	—	0.14	0.14	—	0.14	—	7,446	7,446	0.69	0.06	—	7,482
Water	—	—	—	—	—	—	—	—	—	—	72.3	244	316	7.43	0.18	—	555
Waste	—	—	—	—	—	—	—	—	—	—	194	0.00	194	19.4	0.00	—	679
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	99.3	99.3
Total	45.9	14.7	150	0.37	5.17	27.2	32.4	5.07	6.91	12.0	903	37,068	37,972	31.0	1.54	101	39,308
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.6	8.93	89.6	0.21	0.13	19.8	20.0	0.12	5.04	5.16	—	21,137	21,137	1.25	0.98	25.7	21,487
Area	16.0	0.28	24.0	0.01	0.37	—	0.37	0.35	—	0.35	43.6	169	212	0.13	< 0.005	—	216
Energy	0.10	1.85	1.48	0.01	0.14	—	0.14	0.14	—	0.14	—	7,446	7,446	0.69	0.06	—	7,482
Water	—	—	—	—	—	—	—	—	—	—	72.3	244	316	7.43	0.18	—	555

Waste	—	—	—	—	—	—	—	—	—	—	194	0.00	194	19.4	0.00	—	679
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	99.3	99.3
Total	29.7	11.1	115	0.22	0.64	19.8	20.5	0.62	5.04	5.66	310	28,995	29,305	28.9	1.23	125	30,518
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.48	1.63	16.3	0.04	0.02	3.62	3.64	0.02	0.92	0.94	—	3,499	3,499	0.21	0.16	4.26	3,557
Area	2.92	0.05	4.39	< 0.005	0.07	—	0.07	0.06	—	0.06	7.22	27.9	35.1	0.02	< 0.005	—	35.8
Energy	0.02	0.34	0.27	< 0.005	0.03	—	0.03	0.03	—	0.03	—	1,233	1,233	0.11	0.01	—	1,239
Water	—	—	—	—	—	—	—	—	—	—	12.0	40.3	52.3	1.23	0.03	—	91.9
Waste	—	—	—	—	—	—	—	—	—	—	32.1	0.00	32.1	3.21	0.00	—	112
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16.4	16.4
Total	5.42	2.02	21.0	0.04	0.12	3.62	3.74	0.11	0.92	1.03	51.3	4,800	4,852	4.78	0.20	20.7	5,053

### 3. Construction Emissions Details

#### 3.1. Demolition (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	46.8	32.3	97.1	0.10	2.06	—	2.06	1.78	—	1.78	—	9,852	9,852	0.40	0.08	—	9,885
Demolition	—	—	—	—	—	1.73	1.73	—	0.26	0.26	—	—	—	—	—	—	—
Onsite truck	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

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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.51	3.80	11.4	0.01	0.24	—	0.24	0.21	—	0.21	—	1,161	1,161	0.05	0.01	—	1,165
Demolition	—	—	—	—	—	0.20	0.20	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.69	2.09	< 0.005	0.04	—	0.04	0.04	—	0.04	—	192	192	0.01	< 0.005	—	193
Demolition	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.02	2.47	0.82	0.01	0.03	0.59	0.61	0.03	0.16	0.19	—	2,154	2,154	0.10	0.34	0.13	2,257
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	< 0.005	0.30	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	254	254	0.01	0.04	0.26	266
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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

Vendor	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
Hauling	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.0	42.0	< 0.005	0.01	0.04	44.1

### 3.2. Demolition (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	44.1	12.9	116	0.10	1.10	—	1.10	0.90	—	0.90	—	9,852	9,852	0.40	0.08	—	9,885
Demolition	—	—	—	—	—	1.73	1.73	—	0.26	0.26	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.20	1.52	13.6	0.01	0.13	—	0.13	0.11	—	0.11	—	1,161	1,161	0.05	0.01	—	1,165
Demolition	—	—	—	—	—	0.20	0.20	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.28	2.49	< 0.005	0.02	—	0.02	0.02	—	0.02	—	192	192	0.01	< 0.005	—	193
Demolition	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—

Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	0.02	2.47	0.82	0.01	0.03	0.59	0.61	0.03	0.16	0.19	—	2,154	2,154	0.10	0.34	0.13	2,257	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	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	0.00
Vendor	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	0.00
Hauling	< 0.005	0.30	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	254	254	0.01	0.04	0.26	266	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	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	0.00
Vendor	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	0.00
Hauling	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.0	42.0	< 0.005	0.01	0.04	44.1	

### 3.3. Excavation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.00	44.0	55.2	0.14	1.80	—	1.80	1.65	—	1.65	—	14,810	14,810	0.60	0.12	—	14,861
Dust From Material Movement	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	2.67	3.35	0.01	0.11	—	0.11	0.10	—	0.10	—	898	898	0.04	0.01	—	902
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.49	0.61	< 0.005	0.02	—	0.02	0.02	—	0.02	—	149	149	0.01	< 0.005	—	149
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.4. Excavation (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.49	12.9	83.1	0.14	0.28	—	0.28	0.28	—	0.28	—	14,810	14,810	0.60	0.12	—	14,861

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Dust From Material Movement	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.78	5.04	0.01	0.02	—	0.02	0.02	—	0.02	—	898	898	0.04	0.01	—	902
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.14	0.92	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	149	149	0.01	< 0.005	—	149
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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



Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.5. Excavation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.01	42.5	55.6	0.14	1.78	—	1.78	1.63	—	1.63	—	14,828	14,828	0.60	0.12	—	14,879
Dust From Material Movement	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.01	42.5	55.6	0.14	1.78	—	1.78	1.63	—	1.63	—	14,828	14,828	0.60	0.12	—	14,879

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Dust From Material Movement	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.30	30.3	39.7	0.10	1.27	—	1.27	1.17	—	1.17	—	10,592	10,592	0.43	0.09	—	10,628
Dust From Material Movement	—	—	—	—	—	0.37	0.37	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	5.54	7.24	0.02	0.23	—	0.23	0.21	—	0.21	—	1,754	1,754	0.07	0.01	—	1,760
Dust From Material Movement	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	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
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.6. Excavation (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.49	12.9	83.1	0.14	0.28	—	0.28	0.28	—	0.28	—	14,828	14,828	0.60	0.12	—	14,879
Dust From Material Movement	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	1.49	12.9	83.1	0.14	0.28	—	0.28	0.28	—	0.28	—	14,828	14,828	0.60	0.12	—	14,879
Dust From Material Movement	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.06	9.20	59.4	0.10	0.20	—	0.20	0.20	—	0.20	—	10,592	10,592	0.43	0.09	—	10,628
Dust From Material Movement	—	—	—	—	—	0.37	0.37	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.68	10.8	0.02	0.04	—	0.04	0.04	—	0.04	—	1,754	1,754	0.07	0.01	—	1,760
Dust From Material Movement	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.7. Excavation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.87	40.4	55.5	0.14	1.61	—	1.61	1.48	—	1.48	—	14,826	14,826	0.60	0.12	—	14,877

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Dust From Material Movement	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	7.11	9.78	0.02	0.28	—	0.28	0.26	—	0.26	—	2,611	2,611	0.11	0.02	—	2,620
Dust From Material Movement	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.30	1.78	< 0.005	0.05	—	0.05	0.05	—	0.05	—	432	432	0.02	< 0.005	—	434
Dust From Material Movement	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.8. Excavation (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.49	12.9	83.1	0.14	0.28	—	0.28	0.28	—	0.28	—	14,826	14,826	0.60	0.12	—	14,877
Dust From Material Movement	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	2.27	14.6	0.02	0.05	—	0.05	0.05	—	0.05	—	2,611	2,611	0.11	0.02	—	2,620

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Dust From Material Movement	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.41	2.67	< 0.005	0.01	—	0.01	0.01	—	0.01	—	432	432	0.02	< 0.005	—	434
Dust From Material Movement	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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



Hauling	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
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### 3.9. Excavation - Soil Export (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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

Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.48	61.0	20.2	0.35	0.69	14.5	15.1	0.69	3.96	4.65	—	53,125	53,125	2.57	8.32	3.25	55,673
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.03	3.76	1.22	0.02	0.04	0.87	0.91	0.04	0.24	0.28	—	3,223	3,223	0.16	0.50	3.28	3,380
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.01	0.69	0.22	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	534	534	0.03	0.08	0.54	560

### 3.10. Excavation - Soil Export (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.48	61.0	20.2	0.35	0.69	14.5	15.1	0.69	3.96	4.65	—	53,125	53,125	2.57	8.32	3.25	55,673
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.03	3.76	1.22	0.02	0.04	0.87	0.91	0.04	0.24	0.28	—	3,223	3,223	0.16	0.50	3.28	3,380
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.01	0.69	0.22	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	534	534	0.03	0.08	0.54	560

### 3.11. Excavation - Soil Export (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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

Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.50	56.3	19.4	0.35	0.69	14.5	15.1	0.69	3.96	4.65	—	52,153	52,153	2.57	8.32	119	54,817
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.48	58.5	19.5	0.35	0.69	14.5	15.1	0.69	3.96	4.65	—	52,160	52,160	2.57	8.32	3.09	54,708
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.15	17.6	5.74	0.10	0.20	4.23	4.44	0.20	1.16	1.36	—	15,412	15,412	0.76	2.46	15.1	16,179
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.03	3.21	1.05	0.02	0.04	0.77	0.81	0.04	0.21	0.25	—	2,552	2,552	0.13	0.41	2.50	2,679

### 3.12. Excavation - Soil Export (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	0.50	56.3	19.4	0.35	0.69	14.5	15.1	0.69	3.96	4.65	—	52,153	52,153	2.57	8.32	119	54,817	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	0.48	58.5	19.5	0.35	0.69	14.5	15.1	0.69	3.96	4.65	—	52,160	52,160	2.57	8.32	3.09	54,708	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	0.15	17.6	5.74	0.10	0.20	4.23	4.44	0.20	1.16	1.36	—	15,412	15,412	0.76	2.46	15.1	16,179	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	0.03	3.21	1.05	0.02	0.04	0.77	0.81	0.04	0.21	0.25	—	2,552	2,552	0.13	0.41	2.50	2,679	

### 3.13. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.39	29.7	29.6	0.05	1.20	—	1.20	1.10	—	1.10	—	5,336	5,336	0.22	0.04	—	5,354
Architectural Coatings	7.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.39	29.7	29.6	0.05	1.20	—	1.20	1.10	—	1.10	—	5,336	5,336	0.22	0.04	—	5,354
Architectural Coatings	7.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.82	16.0	15.9	0.03	0.65	—	0.65	0.59	—	0.59	—	2,872	2,872	0.12	0.02	—	2,882
Architectural Coatings	4.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	2.92	2.91	< 0.005	0.12	—	0.12	0.11	—	0.11	—	475	475	0.02	< 0.005	—	477
Architectural Coatings	0.74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

### 3.14. Building Construction (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	9.09	29.5	0.05	0.30	—	0.30	0.28	—	0.28	—	5,336	5,336	0.22	0.04	—	5,354
Architectural Coatings	7.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	9.09	29.5	0.05	0.30	—	0.30	0.28	—	0.28	—	5,336	5,336	0.22	0.04	—	5,354
Architectural Coatings	7.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	4.89	15.9	0.03	0.16	—	0.16	0.15	—	0.15	—	2,872	2,872	0.12	0.02	—	2,882
Architectural Coatings	4.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.89	2.90	< 0.005	0.03	—	0.03	0.03	—	0.03	—	475	475	0.02	< 0.005	—	477
Architectural Coatings	0.74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

### 3.15. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.35	29.3	29.7	0.05	1.16	—	1.16	1.07	—	1.07	—	5,338	5,338	0.22	0.04	—	5,357
Architectural Coatings	7.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.35	29.3	29.7	0.05	1.16	—	1.16	1.07	—	1.07	—	5,338	5,338	0.22	0.04	—	5,357
Architectural Coatings	7.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	12.2	12.4	0.02	0.48	—	0.48	0.45	—	0.45	—	2,225	2,225	0.09	0.02	—	2,233
Architectural Coatings	3.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	2.23	2.26	< 0.005	0.09	—	0.09	0.08	—	0.08	—	368	368	0.01	< 0.005	—	370
Architectural Coatings	0.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

### 3.16. Building Construction (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.21	9.03	29.5	0.05	0.29	—	0.29	0.27	—	0.27	—	5,338	5,338	0.22	0.04	—	5,357
Architectural Coatings	7.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.21	9.03	29.5	0.05	0.29	—	0.29	0.27	—	0.27	—	5,338	5,338	0.22	0.04	—	5,357
Architectural Coatings	7.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	3.77	12.3	0.02	0.12	—	0.12	0.11	—	0.11	—	2,225	2,225	0.09	0.02	—	2,233
Architectural Coatings	3.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.69	2.25	< 0.005	0.02	—	0.02	0.02	—	0.02	—	368	368	0.01	< 0.005	—	370
Architectural Coatings	0.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

### 3.17. Construction Workers (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.49	1.68	20.6	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,587	4,587	0.21	0.17	0.46	4,645
Vendor	0.10	4.21	2.00	0.03	0.05	0.96	1.01	0.03	0.26	0.29	—	3,553	3,553	0.15	0.50	0.25	3,705
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.27	0.33	3.90	0.00	0.00	0.81	0.81	0.00	0.19	0.19	—	838	838	0.04	0.03	1.38	849
Vendor	0.02	0.76	0.36	< 0.005	0.01	0.17	0.18	< 0.005	0.05	0.05	—	640	640	0.03	0.09	0.76	668
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.71	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	139	139	0.01	< 0.005	0.23	141
Vendor	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	106	106	< 0.005	0.01	0.13	111
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.18. Construction Workers (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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

Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.49	1.68	20.6	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,587	4,587	0.21	0.17	0.46	4,645
Vendor	0.10	4.21	2.00	0.03	0.05	0.96	1.01	0.03	0.26	0.29	—	3,553	3,553	0.15	0.50	0.25	3,705
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.33	3.90	0.00	0.00	0.81	0.81	0.00	0.19	0.19	—	838	838	0.04	0.03	1.38	849
Vendor	0.02	0.76	0.36	< 0.005	0.01	0.17	0.18	< 0.005	0.05	0.05	—	640	640	0.03	0.09	0.76	668
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.71	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	139	139	0.01	< 0.005	0.23	141
Vendor	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	106	106	< 0.005	0.01	0.13	111
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.19. Construction Workers (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	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
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.29	1.36	22.6	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,742	4,742	0.20	0.17	16.0	4,812
Vendor	0.10	3.85	1.86	0.03	0.05	0.96	1.01	0.03	0.26	0.29	—	3,490	3,490	0.15	0.50	9.43	3,651
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.28	1.52	19.3	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,496	4,496	0.20	0.17	0.42	4,550

Vendor	0.10	4.02	1.91	0.03	0.05	0.96	1.01	0.03	0.26	0.29	—	3,492	3,492	0.15	0.50	0.24	3,644
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.91	1.18	14.4	0.00	0.00	3.23	3.23	0.00	0.76	0.76	—	3,258	3,258	0.15	0.12	4.96	3,302
Vendor	0.07	2.89	1.35	0.02	0.04	0.68	0.71	0.02	0.19	0.21	—	2,493	2,493	0.10	0.36	2.91	2,605
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.22	2.63	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	539	539	0.02	0.02	0.82	547
Vendor	0.01	0.53	0.25	< 0.005	0.01	0.12	0.13	< 0.005	0.03	0.04	—	413	413	0.02	0.06	0.48	431
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.20. Construction Workers (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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

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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.29	1.36	22.6	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,742	4,742	0.20	0.17	16.0	4,812
Vendor	0.10	3.85	1.86	0.03	0.05	0.96	1.01	0.03	0.26	0.29	—	3,490	3,490	0.15	0.50	9.43	3,651
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.28	1.52	19.3	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,496	4,496	0.20	0.17	0.42	4,550
Vendor	0.10	4.02	1.91	0.03	0.05	0.96	1.01	0.03	0.26	0.29	—	3,492	3,492	0.15	0.50	0.24	3,644
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.91	1.18	14.4	0.00	0.00	3.23	3.23	0.00	0.76	0.76	—	3,258	3,258	0.15	0.12	4.96	3,302
Vendor	0.07	2.89	1.35	0.02	0.04	0.68	0.71	0.02	0.19	0.21	—	2,493	2,493	0.10	0.36	2.91	2,605
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.22	2.63	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	539	539	0.02	0.02	0.82	547

Vendor	0.01	0.53	0.25	< 0.005	0.01	0.12	0.13	< 0.005	0.03	0.04	—	413	413	0.02	0.06	0.48	431
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.21. Construction Workers (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.24	1.21	21.0	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,651	4,651	0.20	0.17	14.5	4,720
Vendor	0.10	3.68	1.75	0.03	0.03	0.96	0.98	0.03	0.26	0.29	—	3,422	3,422	0.15	0.47	8.93	3,576
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.22	1.51	17.8	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,410	4,410	0.06	0.17	0.38	4,461
Vendor	0.10	3.83	1.80	0.03	0.03	0.96	0.98	0.03	0.26	0.29	—	3,424	3,424	0.15	0.47	0.23	3,569
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.87	1.08	13.4	0.00	0.00	3.23	3.23	0.00	0.76	0.76	—	3,196	3,196	0.04	0.12	4.46	3,237
Vendor	0.07	2.75	1.27	0.02	0.02	0.68	0.69	0.02	0.19	0.21	—	2,445	2,445	0.10	0.34	2.75	2,551
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.20	2.44	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	529	529	0.01	0.02	0.74	536
Vendor	0.01	0.50	0.23	< 0.005	< 0.005	0.12	0.13	< 0.005	0.03	0.04	—	405	405	0.02	0.06	0.46	422
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.22. Construction Workers (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



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Off-Road Equipment	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
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.24	1.21	21.0	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,651	4,651	0.20	0.17	14.5	4,720
Vendor	0.10	3.68	1.75	0.03	0.03	0.96	0.98	0.03	0.26	0.29	—	3,422	3,422	0.15	0.47	8.93	3,576
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.22	1.51	17.8	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,410	4,410	0.06	0.17	0.38	4,461

Vendor	0.10	3.83	1.80	0.03	0.03	0.96	0.98	0.03	0.26	0.29	—	3,424	3,424	0.15	0.47	0.23	3,569
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.87	1.08	13.4	0.00	0.00	3.23	3.23	0.00	0.76	0.76	—	3,196	3,196	0.04	0.12	4.46	3,237
Vendor	0.07	2.75	1.27	0.02	0.02	0.68	0.69	0.02	0.19	0.21	—	2,445	2,445	0.10	0.34	2.75	2,551
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.20	2.44	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	529	529	0.01	0.02	0.74	536
Vendor	0.01	0.50	0.23	< 0.005	< 0.005	0.12	0.13	< 0.005	0.03	0.04	—	405	405	0.02	0.06	0.46	422
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.23. Construction Workers (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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

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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.20	1.19	19.7	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,568	4,568	0.05	0.17	13.0	4,632
Vendor	0.08	3.52	1.70	0.03	0.03	0.96	0.98	0.03	0.26	0.29	—	3,343	3,343	0.12	0.47	8.46	3,494
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.19	1.36	16.8	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,331	4,331	0.05	0.17	0.34	4,382
Vendor	0.07	3.67	1.71	0.03	0.03	0.96	0.98	0.03	0.26	0.29	—	3,345	3,345	0.12	0.47	0.22	3,489
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.63	0.72	9.41	0.00	0.00	2.42	2.42	0.00	0.57	0.57	—	2,357	2,357	0.03	0.09	3.02	2,387
Vendor	0.04	1.98	0.91	0.01	0.01	0.51	0.52	0.01	0.14	0.15	—	1,793	1,793	0.06	0.25	1.95	1,872
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.13	1.72	0.00	0.00	0.44	0.44	0.00	0.10	0.10	—	390	390	< 0.005	0.01	0.50	395

Vendor	0.01	0.36	0.17	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	297	297	0.01	0.04	0.32	310
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.24. Construction Workers (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Onsite truck	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

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.20	1.19	19.7	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,568	4,568	0.05	0.17	13.0	4,632
Vendor	0.08	3.52	1.70	0.03	0.03	0.96	0.98	0.03	0.26	0.29	—	3,343	3,343	0.12	0.47	8.46	3,494
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.19	1.36	16.8	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,331	4,331	0.05	0.17	0.34	4,382
Vendor	0.07	3.67	1.71	0.03	0.03	0.96	0.98	0.03	0.26	0.29	—	3,345	3,345	0.12	0.47	0.22	3,489
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.63	0.72	9.41	0.00	0.00	2.42	2.42	0.00	0.57	0.57	—	2,357	2,357	0.03	0.09	3.02	2,387
Vendor	0.04	1.98	0.91	0.01	0.01	0.51	0.52	0.01	0.14	0.15	—	1,793	1,793	0.06	0.25	1.95	1,872
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.13	1.72	0.00	0.00	0.44	0.44	0.00	0.10	0.10	—	390	390	< 0.005	0.01	0.50	395
Vendor	0.01	0.36	0.17	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	297	297	0.01	0.04	0.32	310
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.25. Utility Relocation (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	1.04	9.29	10.3	0.02	0.39	—	0.39	0.36	—	0.36	—	1,580	1,580	0.06	0.01	—	1,586
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	9.29	10.3	0.02	0.39	—	0.39	0.36	—	0.36	—	1,580	1,580	0.06	0.01	—	1,586
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	2.78	3.09	0.01	0.12	—	0.12	0.11	—	0.11	—	473	473	0.02	< 0.005	—	475
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.51	0.56	< 0.005	0.02	—	0.02	0.02	—	0.02	—	78.3	78.3	< 0.005	< 0.005	—	78.6
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.32	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	247	247	0.01	0.01	0.97	251
Vendor	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

Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.10	1.12	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	234	234	0.01	0.01	0.03	237
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.35	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	71.2	71.2	< 0.005	< 0.005	0.13	72.1
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.8	11.8	< 0.005	< 0.005	0.02	11.9
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.26. Utility Relocation (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	9.07	10.3	0.02	0.35	—	0.35	0.33	—	0.33	—	1,580	1,580	0.06	0.01	—	1,586
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	9.07	10.3	0.02	0.35	—	0.35	0.33	—	0.33	—	1,580	1,580	0.06	0.01	—	1,586
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	2.71	3.08	0.01	0.11	—	0.11	0.10	—	0.10	—	473	473	0.02	< 0.005	—	475
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.50	0.56	< 0.005	0.02	—	0.02	0.02	—	0.02	—	78.3	78.3	< 0.005	< 0.005	—	78.6
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.32	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	247	247	0.01	0.01	0.97	251
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.10	1.12	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	234	234	0.01	0.01	0.03	237



Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.35	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	71.2	71.2	< 0.005	< 0.005	0.13	72.1
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.8	11.8	< 0.005	< 0.005	0.02	11.9
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.27. Utility Relocation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.00	9.02	10.3	0.02	0.35	—	0.35	0.33	—	0.33	—	1,580	1,580	0.06	0.01	—	1,586
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.00	9.02	10.3	0.02	0.35	—	0.35	0.33	—	0.33	—	1,580	1,580	0.06	0.01	—	1,586
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	4.82	5.50	0.01	0.19	—	0.19	0.17	—	0.17	—	844	844	0.03	0.01	—	847
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.88	1.00	< 0.005	0.03	—	0.03	0.03	—	0.03	—	140	140	0.01	< 0.005	—	140
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.22	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	242	242	0.01	0.01	0.89	246
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.08	1.03	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	229	229	0.01	0.01	0.02	232
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.58	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	124	124	0.01	< 0.005	0.20	126
Vendor	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

Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	20.6	20.6	< 0.005	< 0.005	0.03	20.9
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.28. Utility Relocation (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	8.81	10.3	0.02	0.33	—	0.33	0.30	—	0.30	—	1,580	1,580	0.06	0.01	—	1,586
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	8.81	10.3	0.02	0.33	—	0.33	0.30	—	0.30	—	1,580	1,580	0.06	0.01	—	1,586
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	4.71	5.48	0.01	0.17	—	0.17	0.16	—	0.16	—	844	844	0.03	0.01	—	847
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.86	1.00	< 0.005	0.03	—	0.03	0.03	—	0.03	—	140	140	0.01	< 0.005	—	140
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.22	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	242	242	0.01	0.01	0.89	246
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.08	1.03	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	229	229	0.01	0.01	0.02	232
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.58	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	124	124	0.01	< 0.005	0.20	126
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	20.6	20.6	< 0.005	< 0.005	0.03	20.9
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.29. Paving (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	10.7	50.3	0.01	0.25	—	0.25	0.23	—	0.23	—	2,196	2,196	0.07	0.01	—	2,201
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	1.29	6.06	< 0.005	0.03	—	0.03	0.03	—	0.03	—	265	265	0.01	< 0.005	—	265
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.24	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	43.8	43.8	< 0.005	< 0.005	—	43.9
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Vendor	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.30. Paving (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	10.7	50.3	0.01	0.25	—	0.25	0.23	—	0.23	—	2,196	2,196	0.07	0.01	—	2,201
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	1.29	6.06	< 0.005	0.03	—	0.03	0.03	—	0.03	—	265	265	0.01	< 0.005	—	265

Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.24	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	43.8	43.8	< 0.005	< 0.005	—	43.9	
Onsite truck	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	
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	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	
Vendor	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	
Hauling	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	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	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	
Vendor	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	
Hauling	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	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	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	
Vendor	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	
Hauling	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	

## 4. Operations Emissions Details

### 4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.13	0.83	10.0	0.03	0.01	2.41	2.42	0.01	0.61	0.63	—	2,575	2,575	0.12	0.10	7.14	2,614
Hotel	0.99	0.66	7.83	0.02	0.01	1.81	1.83	0.01	0.46	0.47	—	1,950	1,950	0.09	0.08	5.38	1,981
Quality Restaurant	3.91	2.63	31.0	0.08	0.05	7.18	7.23	0.04	1.82	1.87	—	7,719	7,719	0.37	0.31	21.3	7,842
Health Club	1.67	1.12	13.3	0.03	0.02	3.08	3.10	0.02	0.78	0.80	—	3,306	3,306	0.16	0.13	9.12	3,358
Regional Shopping Center	4.88	2.42	26.3	0.05	0.04	5.06	5.10	0.03	1.29	1.32	—	5,586	5,586	0.37	0.27	15.0	5,692
General Office Building	4.17	2.80	33.1	0.08	0.05	7.66	7.71	0.05	1.95	1.99	—	8,230	8,230	0.40	0.33	22.7	8,360
Enclosed Parking with Elevator	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
Parking Lot	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
Total	16.8	10.5	122	0.29	0.18	27.2	27.4	0.16	6.91	7.07	—	29,365	29,365	1.52	1.21	80.7	29,846
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.12	0.91	9.20	0.02	0.01	2.41	2.42	0.01	0.61	0.63	—	2,468	2,468	0.12	0.10	0.19	2,502
Hotel	0.98	0.73	7.27	0.02	0.01	1.81	1.83	0.01	0.46	0.47	—	1,870	1,870	0.10	0.08	0.14	1,896



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Quality Restaurant	3.86	2.87	28.8	0.07	0.05	7.18	7.23	0.04	1.82	1.87	—	7,401	7,401	0.39	0.32	0.55	7,508
Health Club	1.65	1.23	12.3	0.03	0.02	3.08	3.10	0.02	0.78	0.80	—	3,169	3,169	0.17	0.14	0.24	3,215
Regional Shopping Center	4.83	2.64	25.7	0.05	0.04	5.06	5.10	0.03	1.29	1.32	—	5,364	5,364	0.40	0.29	0.39	5,460
General Office Building	4.12	3.06	30.7	0.08	0.05	7.66	7.71	0.05	1.95	1.99	—	7,890	7,890	0.42	0.34	0.59	8,004
Enclosed Parking with Elevator	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
Parking Lot	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
Total	16.6	11.4	114	0.28	0.18	27.2	27.4	0.16	6.91	7.07	—	28,162	28,162	1.59	1.28	2.09	28,584
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.19	0.16	1.64	< 0.005	< 0.005	0.41	0.42	< 0.005	0.10	0.11	—	393	393	0.02	0.02	0.49	399
Hotel	0.17	0.13	1.30	< 0.005	< 0.005	0.31	0.31	< 0.005	0.08	0.08	—	299	299	0.02	0.01	0.37	304
Quality Restaurant	0.59	0.34	3.36	0.01	< 0.005	0.67	0.68	< 0.005	0.17	0.18	—	658	658	0.05	0.03	0.79	670
Health Club	0.28	0.21	2.12	0.01	< 0.005	0.51	0.51	< 0.005	0.13	0.13	—	489	489	0.03	0.02	0.60	496
Regional Shopping Center	0.69	0.37	3.59	0.01	< 0.005	0.67	0.67	< 0.005	0.17	0.17	—	660	660	0.05	0.04	0.78	673
General Office Building	0.56	0.43	4.34	0.01	0.01	1.04	1.05	0.01	0.27	0.27	—	1,000	1,000	0.05	0.04	1.23	1,016

Enclosed Parking with Elevator	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
Parking Lot	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
<b>Total</b>	<b>2.48</b>	<b>1.63</b>	<b>16.3</b>	<b>0.04</b>	<b>0.02</b>	<b>3.62</b>	<b>3.64</b>	<b>0.02</b>	<b>0.92</b>	<b>0.94</b>	<b>—</b>	<b>3,499</b>	<b>3,499</b>	<b>0.21</b>	<b>0.16</b>	<b>4.26</b>	<b>3,557</b>

#### 4.1.2. Mitigated

#### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.13	0.83	10.0	0.03	0.01	2.41	2.42	0.01	0.61	0.63	—	2,575	2,575	0.12	0.10	7.14	2,614
Hotel	0.99	0.66	7.83	0.02	0.01	1.81	1.83	0.01	0.46	0.47	—	1,950	1,950	0.09	0.08	5.38	1,981
Quality Restaurant	3.91	2.63	31.0	0.08	0.05	7.18	7.23	0.04	1.82	1.87	—	7,719	7,719	0.37	0.31	21.3	7,842
Health Club	1.67	1.12	13.3	0.03	0.02	3.08	3.10	0.02	0.78	0.80	—	3,306	3,306	0.16	0.13	9.12	3,358
Regional Shopping Center	4.88	2.42	26.3	0.05	0.04	5.06	5.10	0.03	1.29	1.32	—	5,586	5,586	0.37	0.27	15.0	5,692
General Office Building	4.17	2.80	33.1	0.08	0.05	7.66	7.71	0.05	1.95	1.99	—	8,230	8,230	0.40	0.33	22.7	8,360
Enclosed Parking with Elevator	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
Parking Lot	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

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Total	16.8	10.5	122	0.29	0.18	27.2	27.4	0.16	6.91	7.07	—	29,365	29,365	1.52	1.21	80.7	29,846
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.12	0.91	9.20	0.02	0.01	2.41	2.42	0.01	0.61	0.63	—	2,468	2,468	0.12	0.10	0.19	2,502
Hotel	0.98	0.73	7.27	0.02	0.01	1.81	1.83	0.01	0.46	0.47	—	1,870	1,870	0.10	0.08	0.14	1,896
Quality Restaurant	3.86	2.87	28.8	0.07	0.05	7.18	7.23	0.04	1.82	1.87	—	7,401	7,401	0.39	0.32	0.55	7,508
Health Club	1.65	1.23	12.3	0.03	0.02	3.08	3.10	0.02	0.78	0.80	—	3,169	3,169	0.17	0.14	0.24	3,215
Regional Shopping Center	4.83	2.64	25.7	0.05	0.04	5.06	5.10	0.03	1.29	1.32	—	5,364	5,364	0.40	0.29	0.39	5,460
General Office Building	4.12	3.06	30.7	0.08	0.05	7.66	7.71	0.05	1.95	1.99	—	7,890	7,890	0.42	0.34	0.59	8,004
Enclosed Parking with Elevator	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
Parking Lot	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
Total	16.6	11.4	114	0.28	0.18	27.2	27.4	0.16	6.91	7.07	—	28,162	28,162	1.59	1.28	2.09	28,584
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.19	0.16	1.64	< 0.005	< 0.005	0.41	0.42	< 0.005	0.10	0.11	—	393	393	0.02	0.02	0.49	399
Hotel	0.17	0.13	1.30	< 0.005	< 0.005	0.31	0.31	< 0.005	0.08	0.08	—	299	299	0.02	0.01	0.37	304
Quality Restaurant	0.59	0.34	3.36	0.01	< 0.005	0.67	0.68	< 0.005	0.17	0.18	—	658	658	0.05	0.03	0.79	670
Health Club	0.28	0.21	2.12	0.01	< 0.005	0.51	0.51	< 0.005	0.13	0.13	—	489	489	0.03	0.02	0.60	496

Regional Shopping Center	0.69	0.37	3.59	0.01	< 0.005	0.67	0.67	< 0.005	0.17	0.17	—	660	660	0.05	0.04	0.78	673
General Office Building	0.56	0.43	4.34	0.01	0.01	1.04	1.05	0.01	0.27	0.27	—	1,000	1,000	0.05	0.04	1.23	1,016
Enclosed Parking with Elevator	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
Parking Lot	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
Total	2.48	1.63	16.3	0.04	0.02	3.62	3.64	0.02	0.92	0.94	—	3,499	3,499	0.21	0.16	4.26	3,557

## 4.2. Energy

### 4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	212	212	0.02	< 0.005	—	213
Hotel	—	—	—	—	—	—	—	—	—	—	—	525	525	0.05	0.01	—	528
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	454	454	0.04	0.01	—	457
Health Club	—	—	—	—	—	—	—	—	—	—	—	158	158	0.02	< 0.005	—	159
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	374	374	0.04	< 0.005	—	376

General Office Building	—	—	—	—	—	—	—	—	—	—	—	2,189	2,189	0.21	0.03	—	2,202
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	1,312	1,312	0.13	0.02	—	1,320
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	5,225	5,225	0.50	0.06	—	5,255
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	212	212	0.02	< 0.005	—	213
Hotel	—	—	—	—	—	—	—	—	—	—	—	525	525	0.05	0.01	—	528
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	454	454	0.04	0.01	—	457
Health Club	—	—	—	—	—	—	—	—	—	—	—	158	158	0.02	< 0.005	—	159
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	374	374	0.04	< 0.005	—	376
General Office Building	—	—	—	—	—	—	—	—	—	—	—	2,189	2,189	0.21	0.03	—	2,202
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	1,312	1,312	0.13	0.02	—	1,320
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	5,225	5,225	0.50	0.06	—	5,255
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartment Mid Rise	—	—	—	—	—	—	—	—	—	—	—	35.1	35.1	< 0.005	< 0.005	—	35.3
Hotel	—	—	—	—	—	—	—	—	—	—	—	87.0	87.0	0.01	< 0.005	—	87.5
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	75.2	75.2	0.01	< 0.005	—	75.6
Health Club	—	—	—	—	—	—	—	—	—	—	—	26.2	26.2	< 0.005	< 0.005	—	26.3
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	61.9	61.9	0.01	< 0.005	—	62.2
General Office Building	—	—	—	—	—	—	—	—	—	—	—	362	362	0.03	< 0.005	—	365
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	217	217	0.02	< 0.005	—	219
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	865	865	0.08	0.01	—	870

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartment Mid Rise	—	—	—	—	—	—	—	—	—	—	—	212	212	0.02	< 0.005	—	213
Hotel	—	—	—	—	—	—	—	—	—	—	—	525	525	0.05	0.01	—	528
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	454	454	0.04	0.01	—	457

Health Club	—	—	—	—	—	—	—	—	—	—	—	158	158	0.02	< 0.005	—	159
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	374	374	0.04	< 0.005	—	376
General Office Building	—	—	—	—	—	—	—	—	—	—	—	2,189	2,189	0.21	0.03	—	2,202
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	1,312	1,312	0.13	0.02	—	1,320
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	5,225	5,225	0.50	0.06	—	5,255
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	212	212	0.02	< 0.005	—	213
Hotel	—	—	—	—	—	—	—	—	—	—	—	525	525	0.05	0.01	—	528
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	454	454	0.04	0.01	—	457
Health Club	—	—	—	—	—	—	—	—	—	—	—	158	158	0.02	< 0.005	—	159
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	374	374	0.04	< 0.005	—	376
General Office Building	—	—	—	—	—	—	—	—	—	—	—	2,189	2,189	0.21	0.03	—	2,202
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	1,312	1,312	0.13	0.02	—	1,320

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	5,225	5,225	0.50	0.06	—	5,255
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	35.1	35.1	< 0.005	< 0.005	—	35.3
Hotel	—	—	—	—	—	—	—	—	—	—	—	87.0	87.0	0.01	< 0.005	—	87.5
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	75.2	75.2	0.01	< 0.005	—	75.6
Health Club	—	—	—	—	—	—	—	—	—	—	—	26.2	26.2	< 0.005	< 0.005	—	26.3
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	61.9	61.9	0.01	< 0.005	—	62.2
General Office Building	—	—	—	—	—	—	—	—	—	—	—	362	362	0.03	< 0.005	—	365
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	217	217	0.02	< 0.005	—	219
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	865	865	0.08	0.01	—	870

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



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Apartments	0.01	0.17	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	216	216	0.02	< 0.005	—	217
Hotel	0.02	0.31	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	—	368	368	0.03	< 0.005	—	369
Quality Restaurant	0.02	0.37	0.31	< 0.005	0.03	—	0.03	0.03	—	0.03	—	446	446	0.04	< 0.005	—	448
Health Club	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	195	195	0.02	< 0.005	—	195
Regional Shopping Center	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	62.5	62.5	0.01	< 0.005	—	62.6
General Office Building	0.04	0.78	0.66	< 0.005	0.06	—	0.06	0.06	—	0.06	—	933	933	0.08	< 0.005	—	936
Enclosed Parking with Elevator	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
Parking Lot	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
Total	0.10	1.85	1.48	0.01	0.14	—	0.14	0.14	—	0.14	—	2,221	2,221	0.20	< 0.005	—	2,227
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.01	0.17	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	216	216	0.02	< 0.005	—	217
Hotel	0.02	0.31	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	—	368	368	0.03	< 0.005	—	369
Quality Restaurant	0.02	0.37	0.31	< 0.005	0.03	—	0.03	0.03	—	0.03	—	446	446	0.04	< 0.005	—	448
Health Club	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	195	195	0.02	< 0.005	—	195
Regional Shopping Center	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	62.5	62.5	0.01	< 0.005	—	62.6

General Office Building	0.04	0.78	0.66	< 0.005	0.06	—	0.06	0.06	—	0.06	—	933	933	0.08	< 0.005	—	936
Enclosed Parking with Elevator	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
Parking Lot	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
Total	0.10	1.85	1.48	0.01	0.14	—	0.14	0.14	—	0.14	—	2,221	2,221	0.20	< 0.005	—	2,227
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	< 0.005	0.03	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	35.8	35.8	< 0.005	< 0.005	—	35.9
Hotel	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	60.9	60.9	0.01	< 0.005	—	61.1
Quality Restaurant	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	73.9	73.9	0.01	< 0.005	—	74.1
Health Club	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	32.3	32.3	< 0.005	< 0.005	—	32.4
Regional Shopping Center	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.3	10.3	< 0.005	< 0.005	—	10.4
General Office Building	0.01	0.14	0.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	154	154	0.01	< 0.005	—	155
Enclosed Parking with Elevator	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
Parking Lot	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
Total	0.02	0.34	0.27	< 0.005	0.03	—	0.03	0.03	—	0.03	—	368	368	0.03	< 0.005	—	369

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.01	0.17	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	216	216	0.02	< 0.005	—	217
Hotel	0.02	0.31	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	—	368	368	0.03	< 0.005	—	369
Quality Restaurant	0.02	0.37	0.31	< 0.005	0.03	—	0.03	0.03	—	0.03	—	446	446	0.04	< 0.005	—	448
Health Club	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	195	195	0.02	< 0.005	—	195
Regional Shopping Center	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	62.5	62.5	0.01	< 0.005	—	62.6
General Office Building	0.04	0.78	0.66	< 0.005	0.06	—	0.06	0.06	—	0.06	—	933	933	0.08	< 0.005	—	936
Enclosed Parking with Elevator	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
Parking Lot	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
Total	0.10	1.85	1.48	0.01	0.14	—	0.14	0.14	—	0.14	—	2,221	2,221	0.20	< 0.005	—	2,227
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.01	0.17	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	216	216	0.02	< 0.005	—	217
Hotel	0.02	0.31	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	—	368	368	0.03	< 0.005	—	369
Quality Restaurant	0.02	0.37	0.31	< 0.005	0.03	—	0.03	0.03	—	0.03	—	446	446	0.04	< 0.005	—	448

Health Club	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	195	195	0.02	< 0.005	—	195
Regional Shopping Center	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	62.5	62.5	0.01	< 0.005	—	62.6
General Office Building	0.04	0.78	0.66	< 0.005	0.06	—	0.06	0.06	—	0.06	—	933	933	0.08	< 0.005	—	936
Enclosed Parking with Elevator	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
Parking Lot	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
Total	0.10	1.85	1.48	0.01	0.14	—	0.14	0.14	—	0.14	—	2,221	2,221	0.20	< 0.005	—	2,227
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	< 0.005	0.03	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	35.8	35.8	< 0.005	< 0.005	—	35.9
Hotel	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	60.9	60.9	0.01	< 0.005	—	61.1
Quality Restaurant	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	73.9	73.9	0.01	< 0.005	—	74.1
Health Club	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	32.3	32.3	< 0.005	< 0.005	—	32.4
Regional Shopping Center	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.3	10.3	< 0.005	< 0.005	—	10.4
General Office Building	0.01	0.14	0.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	154	154	0.01	< 0.005	—	155
Enclosed Parking with Elevator	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

Parking Lot	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
Total	0.02	0.34	0.27	< 0.005	0.03	—	0.03	0.03	—	0.03	—	368	368	0.03	< 0.005	—	369

### 4.3. Area Emissions by Source

#### 4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	17.8	1.41	34.6	0.09	4.85	—	4.85	4.77	—	4.77	637	1,217	1,854	1.90	0.02	—	1,908
Consumer Products	10.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.90	0.27	31.6	< 0.005	0.05	—	0.05	0.04	—	0.04	—	125	125	0.01	< 0.005	—	125
Total	34.1	1.68	66.2	0.09	4.91	—	4.91	4.80	—	4.80	637	1,342	1,979	1.90	0.02	—	2,033
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	17.8	1.41	34.6	0.09	4.85	—	4.85	4.77	—	4.77	637	1,217	1,854	1.90	0.02	—	1,908
Consumer Products	10.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	1.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	29.2	1.41	34.6	0.09	4.85	—	4.85	4.77	—	4.77	637	1,217	1,854	1.90	0.02	—	1,908
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.22	0.02	0.43	< 0.005	0.06	—	0.06	0.06	—	0.06	7.22	13.8	21.0	0.02	< 0.005	—	21.6
Consumer Products	1.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscaping Equipment	0.61	0.03	3.95	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	14.1	14.1	< 0.005	< 0.005	—	14.2
Total	2.92	0.05	4.39	< 0.005	0.07	—	0.07	0.06	—	0.06	7.22	27.9	35.1	0.02	< 0.005	—	35.8

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	17.8	1.41	34.6	0.09	4.85	—	4.85	4.77	—	4.77	637	1,217	1,854	1.90	0.02	—	1,908
Consumer Products	10.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscap e Equipme nt	4.90	0.27	31.6	< 0.005	0.05	—	0.05	0.04	—	0.04	—	125	125	0.01	< 0.005	—	125
Total	34.1	1.68	66.2	0.09	4.91	—	4.91	4.80	—	4.80	637	1,342	1,979	1.90	0.02	—	2,033
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	17.8	1.41	34.6	0.09	4.85	—	4.85	4.77	—	4.77	637	1,217	1,854	1.90	0.02	—	1,908
Consum er Products	10.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectu ral Coatings	1.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	29.2	1.41	34.6	0.09	4.85	—	4.85	4.77	—	4.77	637	1,217	1,854	1.90	0.02	—	1,908
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.22	0.02	0.43	< 0.005	0.06	—	0.06	0.06	—	0.06	7.22	13.8	21.0	0.02	< 0.005	—	21.6
Consum er Products	1.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectu ral Coatings	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscap e Equipme nt	0.61	0.03	3.95	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	14.1	14.1	< 0.005	< 0.005	—	14.2
Total	2.92	0.05	4.39	< 0.005	0.07	—	0.07	0.06	—	0.06	7.22	27.9	35.1	0.02	< 0.005	—	35.8

#### 4.4. Water Emissions by Land Use

##### 4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.86	16.4	21.2	0.50	0.01	—	37.3
Hotel	—	—	—	—	—	—	—	—	—	—	1.94	6.55	8.50	0.20	< 0.005	—	14.9
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	8.55	28.8	37.4	0.88	0.02	—	65.7
Health Club	—	—	—	—	—	—	—	—	—	—	1.95	6.57	8.52	0.20	< 0.005	—	15.0
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	5.62	18.9	24.5	0.58	0.01	—	43.1
General Office Building	—	—	—	—	—	—	—	—	—	—	49.4	166	216	5.08	0.12	—	379
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	72.3	244	316	7.43	0.18	—	555
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.86	16.4	21.2	0.50	0.01	—	37.3
Hotel	—	—	—	—	—	—	—	—	—	—	1.94	6.55	8.50	0.20	< 0.005	—	14.9
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	8.55	28.8	37.4	0.88	0.02	—	65.7



Health Club	—	—	—	—	—	—	—	—	—	—	1.95	6.57	8.52	0.20	< 0.005	—	15.0
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	5.62	18.9	24.5	0.58	0.01	—	43.1
General Office Building	—	—	—	—	—	—	—	—	—	—	49.4	166	216	5.08	0.12	—	379
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	72.3	244	316	7.43	0.18	—	555
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.80	2.71	3.51	0.08	< 0.005	—	6.17
Hotel	—	—	—	—	—	—	—	—	—	—	0.32	1.08	1.41	0.03	< 0.005	—	2.47
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	1.42	4.77	6.19	0.15	< 0.005	—	10.9
Health Club	—	—	—	—	—	—	—	—	—	—	0.32	1.09	1.41	0.03	< 0.005	—	2.48
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	0.93	3.13	4.06	0.10	< 0.005	—	7.14
General Office Building	—	—	—	—	—	—	—	—	—	—	8.17	27.5	35.7	0.84	0.02	—	62.7
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	12.0	40.3	52.3	1.23	0.03	—	91.9

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.86	16.4	21.2	0.50	0.01	—	37.3
Hotel	—	—	—	—	—	—	—	—	—	—	1.94	6.55	8.50	0.20	< 0.005	—	14.9
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	8.55	28.8	37.4	0.88	0.02	—	65.7
Health Club	—	—	—	—	—	—	—	—	—	—	1.95	6.57	8.52	0.20	< 0.005	—	15.0
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	5.62	18.9	24.5	0.58	0.01	—	43.1
General Office Building	—	—	—	—	—	—	—	—	—	—	49.4	166	216	5.08	0.12	—	379
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	72.3	244	316	7.43	0.18	—	555
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartment Mid Rise	—	—	—	—	—	—	—	—	—	—	4.86	16.4	21.2	0.50	0.01	—	37.3
Hotel	—	—	—	—	—	—	—	—	—	—	1.94	6.55	8.50	0.20	< 0.005	—	14.9
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	8.55	28.8	37.4	0.88	0.02	—	65.7
Health Club	—	—	—	—	—	—	—	—	—	—	1.95	6.57	8.52	0.20	< 0.005	—	15.0
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	5.62	18.9	24.5	0.58	0.01	—	43.1
General Office Building	—	—	—	—	—	—	—	—	—	—	49.4	166	216	5.08	0.12	—	379
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	72.3	244	316	7.43	0.18	—	555
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartment Mid Rise	—	—	—	—	—	—	—	—	—	—	0.80	2.71	3.51	0.08	< 0.005	—	6.17
Hotel	—	—	—	—	—	—	—	—	—	—	0.32	1.08	1.41	0.03	< 0.005	—	2.47
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	1.42	4.77	6.19	0.15	< 0.005	—	10.9
Health Club	—	—	—	—	—	—	—	—	—	—	0.32	1.09	1.41	0.03	< 0.005	—	2.48
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	0.93	3.13	4.06	0.10	< 0.005	—	7.14
General Office Building	—	—	—	—	—	—	—	—	—	—	8.17	27.5	35.7	0.84	0.02	—	62.7

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	12.0	40.3	52.3	1.23	0.03	—	91.9

### 4.5. Waste Emissions by Land Use

#### 4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	27.1	0.00	27.1	2.70	0.00	—	94.7
Hotel	—	—	—	—	—	—	—	—	—	—	11.8	0.00	11.8	1.18	0.00	—	41.3
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	7.23	0.00	7.23	0.72	0.00	—	25.3
Health Club	—	—	—	—	—	—	—	—	—	—	52.9	0.00	52.9	5.29	0.00	—	185
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	22.4	0.00	22.4	2.24	0.00	—	78.4
General Office Building	—	—	—	—	—	—	—	—	—	—	72.6	0.00	72.6	7.26	0.00	—	254
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	194	0.00	194	19.4	0.00	—	679
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	27.1	0.00	27.1	2.70	0.00	—	94.7
Hotel	—	—	—	—	—	—	—	—	—	—	11.8	0.00	11.8	1.18	0.00	—	41.3
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	7.23	0.00	7.23	0.72	0.00	—	25.3
Health Club	—	—	—	—	—	—	—	—	—	—	52.9	0.00	52.9	5.29	0.00	—	185
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	22.4	0.00	22.4	2.24	0.00	—	78.4
General Office Building	—	—	—	—	—	—	—	—	—	—	72.6	0.00	72.6	7.26	0.00	—	254
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	194	0.00	194	19.4	0.00	—	679
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.48	0.00	4.48	0.45	0.00	—	15.7
Hotel	—	—	—	—	—	—	—	—	—	—	1.95	0.00	1.95	0.20	0.00	—	6.84
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	1.20	0.00	1.20	0.12	0.00	—	4.19

Health Club	—	—	—	—	—	—	—	—	—	—	8.76	0.00	8.76	0.88	0.00	—	30.6
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	3.71	0.00	3.71	0.37	0.00	—	13.0
General Office Building	—	—	—	—	—	—	—	—	—	—	12.0	0.00	12.0	1.20	0.00	—	42.1
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	32.1	0.00	32.1	3.21	0.00	—	112

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	27.1	0.00	27.1	2.70	0.00	—	94.7
Hotel	—	—	—	—	—	—	—	—	—	—	11.8	0.00	11.8	1.18	0.00	—	41.3
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	7.23	0.00	7.23	0.72	0.00	—	25.3
Health Club	—	—	—	—	—	—	—	—	—	—	52.9	0.00	52.9	5.29	0.00	—	185
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	22.4	0.00	22.4	2.24	0.00	—	78.4

General Office Building	—	—	—	—	—	—	—	—	—	—	72.6	0.00	72.6	7.26	0.00	—	254
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	194	0.00	194	19.4	0.00	—	679
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	27.1	0.00	27.1	2.70	0.00	—	94.7
Hotel	—	—	—	—	—	—	—	—	—	—	11.8	0.00	11.8	1.18	0.00	—	41.3
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	7.23	0.00	7.23	0.72	0.00	—	25.3
Health Club	—	—	—	—	—	—	—	—	—	—	52.9	0.00	52.9	5.29	0.00	—	185
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	22.4	0.00	22.4	2.24	0.00	—	78.4
General Office Building	—	—	—	—	—	—	—	—	—	—	72.6	0.00	72.6	7.26	0.00	—	254
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	194	0.00	194	19.4	0.00	—	679
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartment Mid Rise	—	—	—	—	—	—	—	—	—	—	4.48	0.00	4.48	0.45	0.00	—	15.7
Hotel	—	—	—	—	—	—	—	—	—	—	1.95	0.00	1.95	0.20	0.00	—	6.84
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	1.20	0.00	1.20	0.12	0.00	—	4.19
Health Club	—	—	—	—	—	—	—	—	—	—	8.76	0.00	8.76	0.88	0.00	—	30.6
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	3.71	0.00	3.71	0.37	0.00	—	13.0
General Office Building	—	—	—	—	—	—	—	—	—	—	12.0	0.00	12.0	1.20	0.00	—	42.1
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	32.1	0.00	32.1	3.21	0.00	—	112

## 4.6. Refrigerant Emissions by Land Use

### 4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartment Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.59	1.59
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	74.1	74.1



Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	23.0	23.0
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35	0.35
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	99.3	99.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.59	1.59
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	74.1	74.1
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	23.0	23.0
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35	0.35
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	99.3	99.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12.3	12.3

Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.81	3.81
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16.4	16.4

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.59	1.59
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	74.1	74.1
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	23.0	23.0
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35	0.35
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	99.3	99.3

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.59	1.59
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	74.1	74.1
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	23.0	23.0
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35	0.35
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	99.3	99.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12.3	12.3
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.81	3.81
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16.4	16.4

## 4.7. Offroad Emissions By Equipment Type

### 4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

### 4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## 4.8. Stationary Emissions By Equipment Type

### 4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

### 4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

### 4.9. User Defined Emissions By Equipment Type

#### 4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

#### 4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
----------------	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

#### 4.10. Soil Carbon Accumulation By Vegetation Type

##### 4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

##### 4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
----------	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## 5. Activity Data

### 5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	10/1/2025	11/30/2025	5.00	43.0	—
Excavation	Grading	12/1/2025	3/31/2027	5.00	348	—
Excavation - Soil Export	Grading	12/1/2025	5/31/2026	5.00	130	—

Building Construction	Building Construction	4/1/2027	7/31/2028	5.00	348	—
Construction Workers	Building Construction	10/1/2025	9/30/2028	5.00	783	—
Utility Relocation	Paving	8/1/2024	9/30/2025	5.00	304	—
Paving	Paving	8/1/2028	9/30/2028	5.00	44.0	—

## 5.2. Off-Road Equipment

### 5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	2.00	10.0	33.0	0.73
Demolition	Excavators	Diesel	Average	1.00	10.0	36.0	0.38
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	1.00	10.0	84.0	0.37
Demolition	Air Compressors	Diesel	Average	2.00	10.0	37.0	0.48
Demolition	Crawler Tractors	Diesel	Average	2.00	10.0	87.0	0.43
Demolition	Crushing/Proc. Equipment	Gasoline	Average	1.00	10.0	12.0	0.85
Demolition	Rubber Tired Loaders	Diesel	Average	1.00	10.0	150	0.36
Demolition	Off-Highway Trucks	Diesel	Average	4.00	10.0	376	0.38
Excavation	Graders	Diesel	Average	0.00	8.00	148	0.41
Excavation	Excavators	Diesel	Average	1.00	10.0	50.0	0.38
Excavation	Tractors/Loaders/Backhoes	Diesel	Average	3.00	10.0	84.0	0.37
Excavation	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Excavation	Bore/Drill Rigs	Diesel	Average	2.00	10.0	83.0	0.50
Excavation	Concrete/Industrial Saws	Diesel	Average	2.00	10.0	33.0	0.73

Excavation	Air Compressors	Diesel	Average	2.00	10.0	37.0	0.48
Excavation	Crawler Tractors	Diesel	Average	2.00	10.0	87.0	0.43
Excavation	Rubber Tired Loaders	Diesel	Average	1.00	10.0	150	0.36
Excavation	Off-Highway Trucks	Diesel	Average	6.00	10.0	376	0.38
Excavation - Soil Export	Graders	Diesel	Average	0.00	8.00	148	0.41
Excavation - Soil Export	Excavators	Diesel	Average	0.00	8.00	36.0	0.38
Excavation - Soil Export	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Excavation - Soil Export	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Building Construction	Cranes	Electric	Average	4.00	10.0	367	0.29
Building Construction	Forklifts	Diesel	Average	0.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	0.00	8.00	14.0	0.74
Building Construction	Welders	Electric	Average	6.00	10.0	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	2.00	10.0	84.0	0.37
Building Construction	Plate Compactors	Diesel	Average	2.00	10.0	8.00	0.43
Building Construction	Rubber Tired Dozers	Diesel	Average	2.00	10.0	367	0.40
Building Construction	Excavators	Diesel	Average	2.00	10.0	36.0	0.38
Building Construction	Pumps	Diesel	Average	2.00	10.0	11.0	0.74
Building Construction	Trenchers	Diesel	Average	2.00	10.0	40.0	0.50
Building Construction	Aerial Lifts	Electric	Average	6.00	10.0	46.0	0.31
Construction Workers	Cranes	Diesel	Average	0.00	7.00	367	0.29
Construction Workers	Forklifts	Diesel	Average	0.00	8.00	82.0	0.20
Construction Workers	Generator Sets	Diesel	Average	0.00	8.00	14.0	0.74
Construction Workers	Welders	Diesel	Average	0.00	8.00	46.0	0.45
Construction Workers	Tractors/Loaders/Backhoes	Diesel	Average	0.00	7.00	84.0	0.37
Utility Relocation	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37

Utility Relocation	Cement and Mortar Mixers	Diesel	Average	1.00	10.0	10.0	0.56
Utility Relocation	Pavers	Diesel	Average	1.00	10.0	81.0	0.42
Utility Relocation	Paving Equipment	Diesel	Average	1.00	10.0	89.0	0.36
Utility Relocation	Rollers	Diesel	Average	0.00	6.00	36.0	0.38
Utility Relocation	Generator Sets	Diesel	Average	2.00	10.0	14.0	0.74
Utility Relocation	Excavators	Diesel	Average	1.00	10.0	36.0	0.38
Utility Relocation	Concrete/Industrial Saws	Diesel	Average	1.00	10.0	33.0	0.73
Paving	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	10.0	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	10.0	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	10.0	89.0	0.36
Paving	Rollers	Diesel	Average	0.00	6.00	36.0	0.38
Paving	Pressure Washers	Diesel	Average	1.00	10.0	14.0	0.30
Paving	Sweepers/Scrubbers	Diesel	Average	1.00	10.0	36.0	0.46
Paving	Forklifts	CNG	Average	3.00	10.0	70.0	0.30
Paving	Dumpers/Tenders	Diesel	Average	2.00	10.0	16.0	0.38

### 5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	2.00	10.0	33.0	0.73
Demolition	Excavators	Diesel	Tier 4 Final	1.00	10.0	36.0	0.38
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	10.0	84.0	0.37

Demolition	Air Compressors	Diesel	Average	2.00	10.0	37.0	0.48
Demolition	Crawler Tractors	Diesel	Tier 4 Final	2.00	10.0	87.0	0.43
Demolition	Crushing/Proc. Equipment	Gasoline	Average	1.00	10.0	12.0	0.85
Demolition	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	10.0	150	0.36
Demolition	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	10.0	376	0.38
Excavation	Graders	Diesel	Average	0.00	8.00	148	0.41
Excavation	Excavators	Diesel	Tier 4 Final	1.00	10.0	50.0	0.38
Excavation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	10.0	84.0	0.37
Excavation	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Excavation	Bore/Drill Rigs	Diesel	Tier 4 Final	2.00	10.0	83.0	0.50
Excavation	Concrete/Industrial Saws	Diesel	Tier 4 Final	2.00	10.0	33.0	0.73
Excavation	Air Compressors	Diesel	Tier 4 Final	2.00	10.0	37.0	0.48
Excavation	Crawler Tractors	Diesel	Tier 4 Final	2.00	10.0	87.0	0.43
Excavation	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	10.0	150	0.36
Excavation	Off-Highway Trucks	Diesel	Tier 4 Final	6.00	10.0	376	0.38
Excavation - Soil Export	Graders	Diesel	Average	0.00	8.00	148	0.41
Excavation - Soil Export	Excavators	Diesel	Average	0.00	8.00	36.0	0.38
Excavation - Soil Export	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Excavation - Soil Export	Rubber Tired Dozers	Diesel	Average	0.00	8.00	367	0.40
Building Construction	Cranes	Electric	Average	4.00	10.0	367	0.29
Building Construction	Forklifts	Diesel	Average	0.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	0.00	8.00	14.0	0.74
Building Construction	Welders	Electric	Average	6.00	10.0	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	10.0	84.0	0.37

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Building Construction	Plate Compactors	Diesel	Average	2.00	10.0	8.00	0.43
Building Construction	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	10.0	367	0.40
Building Construction	Excavators	Diesel	Average	1.00	10.0	36.0	0.38
Building Construction	Excavators	Diesel	Tier 4 Final	1.00	10.0	36.0	0.38
Building Construction	Pumps	Diesel	Average	2.00	10.0	11.0	0.74
Building Construction	Trenchers	Diesel	Average	2.00	10.0	40.0	0.50
Building Construction	Aerial Lifts	Electric	Average	6.00	10.0	46.0	0.31
Construction Workers	Cranes	Diesel	Average	0.00	7.00	367	0.29
Construction Workers	Forklifts	Diesel	Average	0.00	8.00	82.0	0.20
Construction Workers	Generator Sets	Diesel	Average	0.00	8.00	14.0	0.74
Construction Workers	Welders	Diesel	Average	0.00	8.00	46.0	0.45
Construction Workers	Tractors/Loaders/Backhoes	Diesel	Average	0.00	7.00	84.0	0.37
Utility Relocation	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Utility Relocation	Cement and Mortar Mixers	Diesel	Average	1.00	10.0	10.0	0.56
Utility Relocation	Pavers	Diesel	Average	1.00	10.0	81.0	0.42
Utility Relocation	Paving Equipment	Diesel	Average	1.00	10.0	89.0	0.36
Utility Relocation	Rollers	Diesel	Average	0.00	6.00	36.0	0.38
Utility Relocation	Generator Sets	Diesel	Average	2.00	10.0	14.0	0.74
Utility Relocation	Excavators	Diesel	Tier 4 Final	1.00	10.0	36.0	0.38
Utility Relocation	Concrete/Industrial Saws	Diesel	Average	1.00	10.0	33.0	0.73
Paving	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	10.0	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	10.0	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	10.0	89.0	0.36



Paving	Rollers	Diesel	Average	0.00	6.00	36.0	0.38
Paving	Pressure Washers	Diesel	Average	1.00	10.0	14.0	0.30
Paving	Sweepers/Scrubbers	Diesel	Average	1.00	10.0	36.0	0.46
Paving	Forklifts	CNG	Average	3.00	10.0	70.0	0.30
Paving	Dumpers/Tenders	Diesel	Average	2.00	10.0	16.0	0.38

### 5.3. Construction Vehicles

#### 5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Utility Relocation	—	—	—	—
Utility Relocation	Worker	17.5	18.5	LDA,LDT1,LDT2
Utility Relocation	Vendor	—	10.2	HHDT,MHDT
Utility Relocation	Hauling	0.00	20.0	HHDT
Utility Relocation	Onsite truck	—	—	HHDT
Demolition	—	—	—	—
Demolition	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	9.73	65.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Excavation	—	—	—	—
Excavation	Worker	0.00	18.5	LDA,LDT1,LDT2
Excavation	Vendor	—	10.2	HHDT,MHDT
Excavation	Hauling	0.00	20.0	HHDT
Excavation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2

Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Excavation - Soil Export	—	—	—	—
Excavation - Soil Export	Worker	0.00	18.5	LDA,LDT1,LDT2
Excavation - Soil Export	Vendor	—	10.2	HHDT,MHDT
Excavation - Soil Export	Hauling	240	65.0	HHDT
Excavation - Soil Export	Onsite truck	—	—	HHDT
Construction Workers	—	—	—	—
Construction Workers	Worker	350	18.5	LDA,LDT1,LDT2
Construction Workers	Vendor	112	10.2	HHDT,MHDT
Construction Workers	Hauling	0.00	20.0	HHDT
Construction Workers	Onsite truck	0.00	—	HHDT

### 5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Utility Relocation	—	—	—	—
Utility Relocation	Worker	17.5	18.5	LDA,LDT1,LDT2
Utility Relocation	Vendor	—	10.2	HHDT,MHDT
Utility Relocation	Hauling	0.00	20.0	HHDT
Utility Relocation	Onsite truck	—	—	HHDT
Demolition	—	—	—	—

Demolition	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	9.73	65.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Excavation	—	—	—	—
Excavation	Worker	0.00	18.5	LDA,LDT1,LDT2
Excavation	Vendor	—	10.2	HHDT,MHDT
Excavation	Hauling	0.00	20.0	HHDT
Excavation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Excavation - Soil Export	—	—	—	—
Excavation - Soil Export	Worker	0.00	18.5	LDA,LDT1,LDT2
Excavation - Soil Export	Vendor	—	10.2	HHDT,MHDT
Excavation - Soil Export	Hauling	240	65.0	HHDT
Excavation - Soil Export	Onsite truck	—	—	HHDT
Construction Workers	—	—	—	—
Construction Workers	Worker	350	18.5	LDA,LDT1,LDT2
Construction Workers	Vendor	112	10.2	HHDT,MHDT

Construction Workers	Hauling	0.00	20.0	HHDT
Construction Workers	Onsite truck	0.00	—	HHDT

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Building Construction	448,732	149,577	395,718	131,906	—

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	116,445	—
Excavation	0.00	0.00	435	0.00	—
Excavation - Soil Export	0.00	198,950	0.00	0.00	—
Utility Relocation	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00

### 5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

## 5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
Hotel	0.00	0%
Quality Restaurant	0.00	0%
Health Club	0.00	0%
Regional Shopping Center	0.00	0%
General Office Building	0.00	0%
Enclosed Parking with Elevator	0.00	100%
Parking Lot	0.00	100%

## 5.8. Construction Electricity Consumption and Emissions Factors

### kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	349	0.03	< 0.005
2025	0.00	349	0.03	< 0.005
2026	0.00	346	0.03	< 0.005
2027	4,739	346	0.03	< 0.005
2028	4,739	346	0.03	< 0.005

## 5.9. Operational Mobile Sources

### 5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	370	334	278	128,355	3,395	3,064	2,552	1,177,875
Hotel	334	328	238	116,675	2,559	2,507	1,821	892,722

Quality Restaurant	1,233	1,324	1,058	445,588	3,716	10,129	8,096	1,919,074
Health Club	567	359	460	190,524	4,337	2,749	3,521	1,457,768
Regional Shopping Center	1,494	1,825	835	528,261	5,225	7,134	3,264	1,904,399
General Office Building	1,411	320	101	389,947	10,799	2,450	776	2,983,629
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### 5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	370	334	278	128,355	3,395	3,064	2,552	1,177,875
Hotel	334	328	238	116,675	2,559	2,507	1,821	892,722
Quality Restaurant	1,233	1,324	1,058	445,588	3,716	10,129	8,096	1,919,074
Health Club	567	359	460	190,524	4,337	2,749	3,521	1,457,768
Regional Shopping Center	1,494	1,825	835	528,261	5,225	7,134	3,264	1,904,399
General Office Building	1,411	320	101	389,947	10,799	2,450	776	2,983,629
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
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Apartments Mid Rise	—
Wood Fireplaces	3
Gas Fireplaces	58
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	7
Conventional Wood Stoves	0
Catalytic Wood Stoves	3
Non-Catalytic Wood Stoves	3
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	3
Gas Fireplaces	58
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	7
Conventional Wood Stoves	0
Catalytic Wood Stoves	3
Non-Catalytic Wood Stoves	3
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
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448731.89999999997	149,577	395,718	131,906	—
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5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	223,278	346	0.0330	0.0040	674,924
Hotel	553,909	346	0.0330	0.0040	1,147,875
Quality Restaurant	478,878	346	0.0330	0.0040	1,392,810
Health Club	166,749	346	0.0330	0.0040	608,318
Regional Shopping Center	394,070	346	0.0330	0.0040	194,893
General Office Building	2,308,124	346	0.0330	0.0040	2,911,371
Enclosed Parking with Elevator	1,383,549	346	0.0330	0.0040	0.00
Parking Lot	0.00	346	0.0330	0.0040	0.00



5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	223,278	346	0.0330	0.0040	674,924
Hotel	553,909	346	0.0330	0.0040	1,147,875
Quality Restaurant	478,878	346	0.0330	0.0040	1,392,810
Health Club	166,749	346	0.0330	0.0040	608,318
Regional Shopping Center	394,070	346	0.0330	0.0040	194,893
General Office Building	2,308,124	346	0.0330	0.0040	2,911,371
Enclosed Parking with Elevator	1,383,549	346	0.0330	0.0040	0.00
Parking Lot	0.00	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	2,534,618	0.00
Hotel	1,014,671	0.00
Quality Restaurant	4,462,856	0.00
Health Club	1,018,149	0.00
Regional Shopping Center	2,931,716	0.00
General Office Building	25,754,153	0.00
Enclosed Parking with Elevator	0.00	0.00
Parking Lot	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	2,534,618	0.00
Hotel	1,014,671	0.00
Quality Restaurant	4,462,856	0.00
Health Club	1,018,149	0.00
Regional Shopping Center	2,931,716	0.00
General Office Building	25,754,153	0.00
Enclosed Parking with Elevator	0.00	0.00
Parking Lot	0.00	0.00

### 5.13. Operational Waste Generation

#### 5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	50.2	—
Hotel	21.9	—
Quality Restaurant	13.4	—
Health Club	98.1	—
Regional Shopping Center	41.6	—
General Office Building	135	—
Enclosed Parking with Elevator	0.00	—
Parking Lot	0.00	—

#### 5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	50.2	—
Hotel	21.9	—

Quality Restaurant	13.4	—
Health Club	98.1	—
Regional Shopping Center	41.6	—
General Office Building	135	—
Enclosed Parking with Elevator	0.00	—
Parking Lot	0.00	—

## 5.14. Operational Refrigeration and Air Conditioning Equipment

### 5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

#### 5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

## 5.15. Operational Off-Road Equipment

### 5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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### 5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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## 5.16. Stationary Sources

### 5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
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### 5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
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5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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### 5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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## 6. Climate Risk Detailed Report

### 6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	7.73	annual days of extreme heat
Extreme Precipitation	7.05	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.30	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events.

Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

### 6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A

Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

### 6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

### 6.4. Climate Risk Reduction Measures



## 7. Health and Equity Details

### 7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	55.4
AQ-PM	69.5
AQ-DPM	88.3
Drinking Water	49.1
Lead Risk Housing	62.9
Pesticides	0.00
Toxic Releases	74.6
Traffic	65.7
Effect Indicators	—
CleanUp Sites	62.9
Groundwater	0.00
Haz Waste Facilities/Generators	81.9
Impaired Water Bodies	0.00
Solid Waste	59.2
Sensitive Population	—
Asthma	27.0
Cardio-vascular	33.9
Low Birth Weights	24.8
Socioeconomic Factor Indicators	—
Education	5.86
Housing	41.4

Linguistic	32.6
Poverty	21.7
Unemployment	62.4

## 7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	85.3586552
Employed	53.24008726
Median HI	91.35121263
Education	—
Bachelor's or higher	97.89554729
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	59.70742974
Active commuting	63.5698704
Social	—
2-parent households	26.03618632
Voting	66.04645194
Neighborhood	—
Alcohol availability	40.15141794
Park access	34.58231746
Retail density	88.78480688
Supermarket access	78.69883229
Tree canopy	70.69164635

Housing	—
Homeownership	29.61632234
Housing habitability	68.45887335
Low-inc homeowner severe housing cost burden	93.90478635
Low-inc renter severe housing cost burden	47.88913127
Uncrowded housing	83.16437829
Health Outcomes	—
Insured adults	87.48877197
Arthritis	0.0
Asthma ER Admissions	94.2
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	96.8
Cognitively Disabled	76.7
Physically Disabled	69.8
Heart Attack ER Admissions	84.0
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	67.2
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—

Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	84.9
Elderly	10.6
English Speaking	65.5
Foreign-born	51.6
Outdoor Workers	94.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	27.4
Traffic Density	81.1
Traffic Access	87.4
Other Indices	—
Hardship	7.4
Other Decision Support	—
2016 Voting	57.0

### 7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	38.0
Healthy Places Index Score for Project Location (b)	88.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.  
 b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

### 7.4. Health & Equity Measures

No Health & Equity Measures selected.

### 7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

### 7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

## 8. User Changes to Default Data

Screen	Justification
Land Use	Based on applicant provided information
Construction: Construction Phases	Based on applicant provided information
Construction: Off-Road Equipment	Based on applicant provided information
Construction: Trips and VMT	Trips based on Construction Management Plan. Hauled material would be transported to Inglewood landfill site. Maximum of 350 construction workers onsite at a time
Construction: Architectural Coatings	Based on SCAQMD Rule 1113

## AERMOD and Health Risk Calculations

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\*\* AERMOD Input Produced by:

\*\* AERMOD View Ver. 11.2.0

\*\* Lakes Environmental Software Inc.

\*\* Date: 1/10/2024

\*\* File: C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9600 Wilshire Blvd v2.ADI

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\*\* AERMOD Control Pathway

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CO STARTING

TITLEONE C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9600 Wilshi

MODELOPT CONC

AVERTIME 1 PERIOD

URBANOPT 9818605 LA\_County

POLLUTID CONSTR

RUNORNOT RUN

ERRORFIL "9600 Wilshire Blvd v2.err"

CO FINISHED

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\*\* AERMOD Source Pathway

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SO STARTING

\*\* Source Location \*\*

\*\* Source ID - Type - X Coord. - Y Coord. \*\*

LOCATION AREA AREAPOLY 370392.763 3770477.553 76.200

\*\* DESCRSRC Construction Area

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE1

\*\* DESCRSRC Hauling Route

\*\* PREFIX

\*\* Length of Side = 16.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 1.0

\*\* Vertical Dimension = 7.25

\*\* SZINIT = 3.37

\*\* Nodes = 3

\*\* 370490.231, 3770417.526, 73.93, 3.63, 7.44

\*\* 370491.227, 3770485.243, 75.06, 3.63, 7.44

\*\* 369858.873, 3770493.209, 82.94, 3.63, 7.44

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LOCATION L0000001	VOLUME	370490.348	3770425.525	74.12
LOCATION L0000002	VOLUME	370490.584	3770441.523	74.40
LOCATION L0000003	VOLUME	370490.819	3770457.522	74.66
LOCATION L0000004	VOLUME	370491.054	3770473.520	74.95
LOCATION L0000005	VOLUME	370486.951	3770485.297	75.11
LOCATION L0000006	VOLUME	370470.952	3770485.498	75.36
LOCATION L0000007	VOLUME	370454.953	3770485.700	75.58
LOCATION L0000008	VOLUME	370438.955	3770485.901	75.80
LOCATION L0000009	VOLUME	370422.956	3770486.103	76.02
LOCATION L0000010	VOLUME	370406.957	3770486.304	76.22
LOCATION L0000011	VOLUME	370390.958	3770486.506	76.37
LOCATION L0000012	VOLUME	370374.960	3770486.707	76.52
LOCATION L0000013	VOLUME	370358.961	3770486.909	76.63
LOCATION L0000014	VOLUME	370342.962	3770487.111	76.74
LOCATION L0000015	VOLUME	370326.963	3770487.312	76.86
LOCATION L0000016	VOLUME	370310.965	3770487.514	76.99
LOCATION L0000017	VOLUME	370294.966	3770487.715	77.15
LOCATION L0000018	VOLUME	370278.967	3770487.917	77.36
LOCATION L0000019	VOLUME	370262.969	3770488.118	77.56
LOCATION L0000020	VOLUME	370246.970	3770488.320	77.66
LOCATION L0000021	VOLUME	370230.971	3770488.521	77.83
LOCATION L0000022	VOLUME	370214.972	3770488.723	77.99
LOCATION L0000023	VOLUME	370198.974	3770488.925	78.14
LOCATION L0000024	VOLUME	370182.975	3770489.126	78.30
LOCATION L0000025	VOLUME	370166.976	3770489.328	78.51
LOCATION L0000026	VOLUME	370150.977	3770489.529	78.72
LOCATION L0000027	VOLUME	370134.979	3770489.731	78.94
LOCATION L0000028	VOLUME	370118.980	3770489.932	79.15
LOCATION L0000029	VOLUME	370102.981	3770490.134	79.41
LOCATION L0000030	VOLUME	370086.983	3770490.335	79.61
LOCATION L0000031	VOLUME	370070.984	3770490.537	79.93
LOCATION L0000032	VOLUME	370054.985	3770490.739	80.06
LOCATION L0000033	VOLUME	370038.986	3770490.940	80.29
LOCATION L0000034	VOLUME	370022.988	3770491.142	80.50
LOCATION L0000035	VOLUME	370006.989	3770491.343	80.69
LOCATION L0000036	VOLUME	369990.990	3770491.545	80.89



LOCATION L0000037 VOLUME 369974.991 3770491.746 81.10  
LOCATION L0000038 VOLUME 369958.993 3770491.948 81.40  
LOCATION L0000039 VOLUME 369942.994 3770492.150 81.77  
LOCATION L0000040 VOLUME 369926.995 3770492.351 82.12  
LOCATION L0000041 VOLUME 369910.996 3770492.553 82.51  
LOCATION L0000042 VOLUME 369894.998 3770492.754 82.70  
LOCATION L0000043 VOLUME 369878.999 3770492.956 82.81  
LOCATION L0000044 VOLUME 369863.000 3770493.157 82.91

\*\* End of LINE VOLUME Source ID = SLINE1

\*\* Source Parameters \*\*

SRCPARAM AREA 0.00004706 5.000 8 1.400  
AREAVERT AREA 370392.763 3770477.553 370391.429 3770379.653  
AREAVERT AREA 370495.789 3770378.559 370495.386 3770352.416  
AREAVERT AREA 370536.190 3770352.176 370536.363 3770355.726  
AREAVERT AREA 370586.805 3770355.252 370587.208 3770475.201

\*\* LINE VOLUME Source ID = SLINE1

SRCPARAM L0000001 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000002 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000003 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000004 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000005 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000006 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000007 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000008 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000009 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000010 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000011 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000012 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000013 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000014 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000015 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000016 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000017 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000018 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000019 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000020 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000021 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000022 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000023 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000024 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000025 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000026 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000027 0.0227272727 3.63 7.44 3.37  
SRCPARAM L0000028 0.0227272727 3.63 7.44 3.37

SRCPARAM L0000029	0.0227272727	3.63	7.44	3.37
SRCPARAM L0000030	0.0227272727	3.63	7.44	3.37
SRCPARAM L0000031	0.0227272727	3.63	7.44	3.37
SRCPARAM L0000032	0.0227272727	3.63	7.44	3.37
SRCPARAM L0000033	0.0227272727	3.63	7.44	3.37
SRCPARAM L0000034	0.0227272727	3.63	7.44	3.37
SRCPARAM L0000035	0.0227272727	3.63	7.44	3.37
SRCPARAM L0000036	0.0227272727	3.63	7.44	3.37
SRCPARAM L0000037	0.0227272727	3.63	7.44	3.37
SRCPARAM L0000038	0.0227272727	3.63	7.44	3.37
SRCPARAM L0000039	0.0227272727	3.63	7.44	3.37
SRCPARAM L0000040	0.0227272727	3.63	7.44	3.37
SRCPARAM L0000041	0.0227272727	3.63	7.44	3.37
SRCPARAM L0000042	0.0227272727	3.63	7.44	3.37
SRCPARAM L0000043	0.0227272727	3.63	7.44	3.37
SRCPARAM L0000044	0.0227272727	3.63	7.44	3.37

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URBANSRC ALL

\*\* Variable Emissions Type: "By Hour / Day (HRDOW)"

\*\* Variable Emission Scenario: "Construction"

\*\* WeekDays:

EMISFACT L0000001	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000001	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000001	HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000001	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000002	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000002	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000002	HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000002	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000003	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000003	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000003	HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000003	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000004	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000004	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000004	HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000004	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000005	HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000005	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0

























EMISFACT L0000039 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000039 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000039 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000039 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000040 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000040 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000040 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000040 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000041 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000041 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000041 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000041 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000042 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000042 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000042 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000042 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000043 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000043 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000043 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000043 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000044 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000044 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000044 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000044 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

\*\* WeekDays:

EMISFACT AREA HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT AREA HRDOW 0.0 0.0 1.0 1.0 1.0 1.0  
EMISFACT AREA HRDOW 1.0 1.0 1.0 1.0 1.0 1.0  
EMISFACT AREA HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

\*\* Saturday:

EMISFACT AREA HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT AREA HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT AREA HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT AREA HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

\*\* Sunday:

EMISFACT AREA HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT AREA HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT AREA HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT AREA HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

SRCGROUP Area AREA

SRCGROUP Hau\_Rou L0000001 L0000002 L0000003 L0000004 L0000005 L0000006  
SRCGROUP Hau\_Rou L0000007 L0000008 L0000009 L0000010 L0000011 L0000012  
SRCGROUP Hau\_Rou L0000013 L0000014 L0000015 L0000016 L0000017 L0000018  
SRCGROUP Hau\_Rou L0000019 L0000020 L0000021 L0000022 L0000023 L0000024

SRCGROUP Haul\_Rou L0000025 L0000026 L0000027 L0000028 L0000029 L0000030  
SRCGROUP Haul\_Rou L0000031 L0000032 L0000033 L0000034 L0000035 L0000036  
SRCGROUP Haul\_Rou L0000037 L0000038 L0000039 L0000040 L0000041 L0000042  
SRCGROUP Haul\_Rou L0000043 L0000044

SRCGROUP ALL

SO FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Receptor Pathway

\*\*\*\*\*

\*\*

\*\*

RE STARTING

INCLUDED "9600 Wilshire Blvd v2.rou"

RE FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Meteorology Pathway

\*\*\*\*\*

\*\*

\*\*

ME STARTING

SURFFILE MET\SantaMonicaAirportADJU\KSMO\_V9\_ADJU\KSMO\_v9.SFC

PROFFILE MET\SantaMonicaAirportADJU\KSMO\_V9\_ADJU\KSMO\_v9.PFL

SURFDATA 93197 2012

UAIRDATA 3190 2012

PROFBASE 53.0 METERS

ME FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Output Pathway

\*\*\*\*\*

\*\*

\*\*

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

\*\* Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST "9600 WILSHIRE BLVD V2.AD\01H1GALL.PLT" 31

PLOTFILE 1 Area 1ST "9600 WILSHIRE BLVD V2.AD\01H1G001.PLT" 32

PLOTFILE 1 Haul\_Rou 1ST "9600 WILSHIRE BLVD V2.AD\01H1G002.PLT" 33

PLOTFILE PERIOD ALL "9600 WILSHIRE BLVD V2.AD\PE00GALL.PLT" 34

PLOTFILE PERIOD Area "9600 WILSHIRE BLVD V2.AD\PE00G001.PLT" 35

PLOTFILE PERIOD Haul\_Rou "9600 WILSHIRE BLVD V2.AD\PE00G002.PLT" 36

SUMMFILE "9600 Wilshire Blvd v2.sum"  
OU FINISHED

\*\*\* Message Summary For AERMOD Model Setup \*\*\*

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)  
A Total of 2 Warning Message(s)  
A Total of 0 Informational Message(s)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

ME W186 732 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used 0.50  
ME W187 732 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

\*\*\*\*\*

\*\*\* SETUP Finishes Successfully \*\*\*

\*\*\*\*\*

☐ \*\*\* AERMOD - VERSION 22112 \*\*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\* 13:17:40

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

-----  
\*\* Model Options Selected:

- \* Model Allows User-Specified Options
- \* Model Is Setup For Calculation of Average CONCentration Values.
- \* NO GAS DEPOSITION Data Provided.
- \* NO PARTICLE DEPOSITION Data Provided.
- \* Model Uses NO DRY DEPLETION. DDPLETE = F
- \* Model Uses NO WET DEPLETION. WETDPLT = F
- \* Stack-tip Downwash.
- \* Model Accounts for ELEVated Terrain Effects.
- \* Use Calms Processing Routine.
- \* Use Missing Data Processing Routine.



\* No Exponential Decay.

\* Model Uses URBAN Dispersion Algorithm for the SBL for 45 Source(s),  
for Total of 1 Urban Area(s):

Urban Population = 9818605.0 ; Urban Roughness Length = 1.000 m

\* Urban Roughness Length of 1.0 Meter Used.

\* ADJ\_U\* - Use ADJ\_U\* option for SBL in AERMET

\* CCVR\_Sub - Meteorological data includes CCVR substitutions

\* TEMP\_Sub - Meteorological data includes TEMP substitutions

\* Model Assumes No FLAGPOLE Receptor Heights.

\* The User Specified a Pollutant Type of: CONSTR

\*\*Model Calculates 1 Short Term Average(s) of: 1-HR  
and Calculates PERIOD Averages

\*\*This Run Includes: 45 Source(s); 3 Source Group(s); and 250 Receptor(s)

with: 0 POINT(s), including

0 POINTCAP(s) and 0 POINTHOR(s)

and: 44 VOLUME source(s)

and: 1 AREA type source(s)

and: 0 LINE source(s)

and: 0 RLINE/RLINEXT source(s)

and: 0 OPENPIT source(s)

and: 0 BUOYANT LINE source(s) with a total of 0 line(s)

and: 0 SWPOINT source(s)

\*\*Model Set To Continue RUNNING After the Setup Testing.

\*\*The AERMET Input Meteorological Data Version Date: 16216

\*\*Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)

Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

\*\*NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours

m for Missing Hours

b for Both Calm and Missing Hours

\*\*Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 53.00 ; Decay Coef. = 0.000 ; Rot. Angle =

Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07

Output Units = MICROGRAMS/M\*\*3

\*\*Approximate Storage Requirements of Model = 3.6 MB of RAM.

\*\*Input Runstream File: aermod.inp

\*\*Output Print File: aermod.out

\*\*Detailed Error/Message File: 9600 Wilshire Blvd v2.err

\*\*File for Summary of Results: 9600 Wilshire Blvd v2.sum

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

NUMBER	EMISSION RATE	BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE		
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE SCALAR VARY
ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY

L0000001	0	0.22727E-01	370490.3	3770425.5	74.1	3.63	7.44	3.37	YES HRDOW
L0000002	0	0.22727E-01	370490.6	3770441.5	74.4	3.63	7.44	3.37	YES HRDOW
L0000003	0	0.22727E-01	370490.8	3770457.5	74.7	3.63	7.44	3.37	YES HRDOW
L0000004	0	0.22727E-01	370491.1	3770473.5	75.0	3.63	7.44	3.37	YES HRDOW
L0000005	0	0.22727E-01	370487.0	3770485.3	75.1	3.63	7.44	3.37	YES HRDOW
L0000006	0	0.22727E-01	370471.0	3770485.5	75.4	3.63	7.44	3.37	YES HRDOW
L0000007	0	0.22727E-01	370455.0	3770485.7	75.6	3.63	7.44	3.37	YES HRDOW
L0000008	0	0.22727E-01	370439.0	3770485.9	75.8	3.63	7.44	3.37	YES HRDOW
L0000009	0	0.22727E-01	370423.0	3770486.1	76.0	3.63	7.44	3.37	YES HRDOW
L0000010	0	0.22727E-01	370407.0	3770486.3	76.2	3.63	7.44	3.37	YES HRDOW
L0000011	0	0.22727E-01	370391.0	3770486.5	76.4	3.63	7.44	3.37	YES HRDOW
L0000012	0	0.22727E-01	370375.0	3770486.7	76.5	3.63	7.44	3.37	YES HRDOW
L0000013	0	0.22727E-01	370359.0	3770486.9	76.6	3.63	7.44	3.37	YES HRDOW
L0000014	0	0.22727E-01	370343.0	3770487.1	76.7	3.63	7.44	3.37	YES HRDOW
L0000015	0	0.22727E-01	370327.0	3770487.3	76.9	3.63	7.44	3.37	YES HRDOW
L0000016	0	0.22727E-01	370311.0	3770487.5	77.0	3.63	7.44	3.37	YES HRDOW
L0000017	0	0.22727E-01	370295.0	3770487.7	77.1	3.63	7.44	3.37	YES HRDOW
L0000018	0	0.22727E-01	370279.0	3770487.9	77.4	3.63	7.44	3.37	YES HRDOW
L0000019	0	0.22727E-01	370263.0	3770488.1	77.6	3.63	7.44	3.37	YES HRDOW
L0000020	0	0.22727E-01	370247.0	3770488.3	77.7	3.63	7.44	3.37	YES HRDOW
L0000021	0	0.22727E-01	370231.0	3770488.5	77.8	3.63	7.44	3.37	YES HRDOW
L0000022	0	0.22727E-01	370215.0	3770488.7	78.0	3.63	7.44	3.37	YES HRDOW
L0000023	0	0.22727E-01	370199.0	3770488.9	78.1	3.63	7.44	3.37	YES HRDOW

L0000024	0	0.22727E-01	370183.0	3770489.1	78.3	3.63	7.44	3.37	YES	HRDOW
L0000025	0	0.22727E-01	370167.0	3770489.3	78.5	3.63	7.44	3.37	YES	HRDOW
L0000026	0	0.22727E-01	370151.0	3770489.5	78.7	3.63	7.44	3.37	YES	HRDOW
L0000027	0	0.22727E-01	370135.0	3770489.7	78.9	3.63	7.44	3.37	YES	HRDOW
L0000028	0	0.22727E-01	370119.0	3770489.9	79.1	3.63	7.44	3.37	YES	HRDOW
L0000029	0	0.22727E-01	370103.0	3770490.1	79.4	3.63	7.44	3.37	YES	HRDOW
L0000030	0	0.22727E-01	370087.0	3770490.3	79.6	3.63	7.44	3.37	YES	HRDOW
L0000031	0	0.22727E-01	370071.0	3770490.5	79.9	3.63	7.44	3.37	YES	HRDOW
L0000032	0	0.22727E-01	370055.0	3770490.7	80.1	3.63	7.44	3.37	YES	HRDOW
L0000033	0	0.22727E-01	370039.0	3770490.9	80.3	3.63	7.44	3.37	YES	HRDOW
L0000034	0	0.22727E-01	370023.0	3770491.1	80.5	3.63	7.44	3.37	YES	HRDOW
L0000035	0	0.22727E-01	370007.0	3770491.3	80.7	3.63	7.44	3.37	YES	HRDOW
L0000036	0	0.22727E-01	369991.0	3770491.5	80.9	3.63	7.44	3.37	YES	HRDOW
L0000037	0	0.22727E-01	369975.0	3770491.7	81.1	3.63	7.44	3.37	YES	HRDOW
L0000038	0	0.22727E-01	369959.0	3770491.9	81.4	3.63	7.44	3.37	YES	HRDOW
L0000039	0	0.22727E-01	369943.0	3770492.1	81.8	3.63	7.44	3.37	YES	HRDOW
L0000040	0	0.22727E-01	369927.0	3770492.4	82.1	3.63	7.44	3.37	YES	HRDOW

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

NUMBER	EMISSION RATE	BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE			
SOURCE	PART. (GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR	VARY
ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	BY		

L0000041	0	0.22727E-01	369911.0	3770492.6	82.5	3.63	7.44	3.37	YES	HRDOW
L0000042	0	0.22727E-01	369895.0	3770492.8	82.7	3.63	7.44	3.37	YES	HRDOW
L0000043	0	0.22727E-01	369879.0	3770493.0	82.8	3.63	7.44	3.37	YES	HRDOW
L0000044	0	0.22727E-01	369863.0	3770493.2	82.9	3.63	7.44	3.37	YES	HRDOW

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9  
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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* AREAPOLY SOURCE DATA \*\*\*

NUMBER	EMISSION RATE	LOCATION OF AREA	BASE	RELEASE	NUMBER	INIT.	URBAN	EMISSI		
SOURCE	PART. (GRAMS/SEC)	X	Y	ELEV.	HEIGHT OF	VERTS.	SZ	SOURCE	SCALAR	VARY

ID CATS. /METER\*\*2) (METERS) (METERS) (METERS) (METERS) (METERS) BY

-----  
AREA 0 0.47060E-04 370392.8 3770477.6 76.2 5.00 8 1.40 YES HRDOW

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID SOURCE IDs

-----  
AREA AREA ,

HAUL\_ROU L0000001 ,L0000002 ,L0000003 ,L0000004 ,L0000005 ,L0000006 ,L0000007 ,  
L0000009 ,L0000010 ,L0000011 ,L0000012 ,L0000013 ,L0000014 ,L0000015 ,L0000016 ,  
L0000017 ,L0000018 ,L0000019 ,L0000020 ,L0000021 ,L0000022 ,L0000023 ,L0000024 ,  
L0000025 ,L0000026 ,L0000027 ,L0000028 ,L0000029 ,L0000030 ,L0000031 ,L0000032 ,  
L0000033 ,L0000034 ,L0000035 ,L0000036 ,L0000037 ,L0000038 ,L0000039 ,L0000040 ,  
L0000041 ,L0000042 ,L0000043 ,L0000044 ,

ALL AREA ,L0000001 ,L0000002 ,L0000003 ,L0000004 ,L0000005 ,L0000006 ,L0000007 ,  
L0000008 ,L0000009 ,L0000010 ,L0000011 ,L0000012 ,L0000013 ,L0000014 ,L0000015 ,  
L0000016 ,L0000017 ,L0000018 ,L0000019 ,L0000020 ,L0000021 ,L0000022 ,L0000023 ,  
L0000024 ,L0000025 ,L0000026 ,L0000027 ,L0000028 ,L0000029 ,L0000030 ,L0000031 ,  
L0000032 ,L0000033 ,L0000034 ,L0000035 ,L0000036 ,L0000037 ,L0000038 ,L0000039 ,  
L0000040 ,L0000041 ,L0000042 ,L0000043 ,L0000044 ,

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES \*\*\*

URBAN ID URBAN POP SOURCE IDs

9818605. AREA ,L0000001 ,L0000002 ,L0000003 ,L0000004 ,L0000005 ,L0000006 ,  
L0000007 ,

L0000008 ,L0000009 ,L0000010 ,L0000011 ,L0000012 ,L0000013 ,L0000014 ,L00000

L0000016 ,L0000017 ,L0000018 ,L0000019 ,L0000020 ,L0000021 ,L0000022 ,L00000

L0000024 ,L0000025 ,L0000026 ,L0000027 ,L0000028 ,L0000029 ,L0000030 ,L00000

L0000032 ,L0000033 ,L0000034 ,L0000035 ,L0000036 ,L0000037 ,L0000038 ,L00000

L0000040 ,L0000041 ,L0000042 ,L0000043 ,L0000044 ,

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\* 13:17:40

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = AREA ; SOURCE TYPE = AREAPOLY:

HRDOW SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR H

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E  
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000001 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000002 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000003 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000004 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000005 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000006 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000007 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000008 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000009 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000010 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000011 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000012 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000013 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000014 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000015 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000016 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000017 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000018 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000019 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000020 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000021 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000022 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000023 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000024 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000025 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000026 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000027 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000028 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000029 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000030 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000031 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000032 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000033 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000034 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000035 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000036 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000037 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000038 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9



\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000039 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000040 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000041 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000042 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000043 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000044 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR H

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)  
 (METERS)

( 370500.0, 3770265.0, 72.4, 72.4, 0.0);	( 370510.0, 3770265.0, 72.3, 72.3, 0.0);
( 370520.0, 3770265.0, 72.1, 72.1, 0.0);	( 370530.0, 3770265.0, 72.0, 72.0, 0.0);
( 370540.0, 3770265.0, 71.8, 71.8, 0.0);	( 370550.0, 3770265.0, 71.7, 71.7, 0.0);
( 370560.0, 3770265.0, 71.6, 71.6, 0.0);	( 370570.0, 3770265.0, 71.4, 71.4, 0.0);
( 370500.0, 3770275.0, 72.5, 72.5, 0.0);	( 370510.0, 3770275.0, 72.6, 72.6, 0.0);
( 370520.0, 3770275.0, 72.5, 72.5, 0.0);	( 370530.0, 3770275.0, 72.4, 72.4, 0.0);
( 370540.0, 3770275.0, 72.0, 72.0, 0.0);	( 370550.0, 3770275.0, 71.9, 71.9, 0.0);
( 370560.0, 3770275.0, 71.8, 71.8, 0.0);	( 370570.0, 3770275.0, 71.6, 71.6, 0.0);
( 370500.0, 3770285.0, 72.7, 72.7, 0.0);	( 370510.0, 3770285.0, 72.9, 72.9, 0.0);
( 370520.0, 3770285.0, 72.7, 72.7, 0.0);	( 370530.0, 3770285.0, 72.9, 72.9, 0.0);
( 370540.0, 3770285.0, 72.1, 72.1, 0.0);	( 370550.0, 3770285.0, 72.1, 72.1, 0.0);
( 370560.0, 3770285.0, 72.2, 72.2, 0.0);	( 370570.0, 3770285.0, 72.1, 72.1, 0.0);
( 370500.0, 3770295.0, 72.7, 72.7, 0.0);	( 370510.0, 3770295.0, 73.0, 73.0, 0.0);
( 370520.0, 3770295.0, 73.0, 73.0, 0.0);	( 370530.0, 3770295.0, 73.0, 73.0, 0.0);
( 370540.0, 3770295.0, 72.2, 72.2, 0.0);	( 370550.0, 3770295.0, 72.3, 72.3, 0.0);
( 370560.0, 3770295.0, 72.2, 72.2, 0.0);	( 370570.0, 3770295.0, 72.1, 72.1, 0.0);
( 370500.0, 3770305.0, 72.8, 72.8, 0.0);	( 370510.0, 3770305.0, 73.1, 73.1, 0.0);
( 370520.0, 3770305.0, 73.0, 73.0, 0.0);	( 370530.0, 3770305.0, 72.7, 72.7, 0.0);
( 370540.0, 3770305.0, 72.3, 72.3, 0.0);	( 370550.0, 3770305.0, 72.4, 72.4, 0.0);
( 370560.0, 3770305.0, 72.3, 72.3, 0.0);	( 370570.0, 3770305.0, 72.3, 72.3, 0.0);
( 370500.0, 3770315.0, 72.7, 72.7, 0.0);	( 370510.0, 3770315.0, 73.0, 73.0, 0.0);
( 370520.0, 3770315.0, 73.0, 73.0, 0.0);	( 370530.0, 3770315.0, 72.7, 72.7, 0.0);
( 370540.0, 3770315.0, 72.4, 72.4, 0.0);	( 370550.0, 3770315.0, 72.3, 72.3, 0.0);
( 370560.0, 3770315.0, 72.0, 72.0, 0.0);	( 370570.0, 3770315.0, 72.0, 72.0, 0.0);
( 370500.0, 3770325.0, 73.0, 73.5, 0.0);	( 370510.0, 3770325.0, 73.3, 73.3, 0.0);
( 370520.0, 3770325.0, 73.2, 73.2, 0.0);	( 370530.0, 3770325.0, 73.0, 73.0, 0.0);
( 370540.0, 3770325.0, 72.5, 72.5, 0.0);	( 370550.0, 3770325.0, 72.4, 72.4, 0.0);
( 370560.0, 3770325.0, 72.1, 72.1, 0.0);	( 370570.0, 3770325.0, 72.1, 72.1, 0.0);
( 370500.0, 3770335.0, 73.1, 73.1, 0.0);	( 370510.0, 3770335.0, 73.4, 73.4, 0.0);
( 370520.0, 3770335.0, 73.3, 73.3, 0.0);	( 370530.0, 3770335.0, 73.1, 73.1, 0.0);
( 370540.0, 3770335.0, 72.6, 72.6, 0.0);	( 370550.0, 3770335.0, 72.5, 72.5, 0.0);
( 370560.0, 3770335.0, 72.3, 72.3, 0.0);	( 370570.0, 3770335.0, 72.2, 72.2, 0.0);
( 370500.0, 3770345.0, 73.1, 73.1, 0.0);	( 370510.0, 3770345.0, 73.3, 73.3, 0.0);
( 370520.0, 3770345.0, 73.3, 73.3, 0.0);	( 370530.0, 3770345.0, 73.0, 73.0, 0.0);
( 370540.0, 3770345.0, 72.7, 72.7, 0.0);	( 370550.0, 3770345.0, 72.7, 72.7, 0.0);
( 370560.0, 3770345.0, 72.5, 72.5, 0.0);	( 370570.0, 3770345.0, 72.4, 72.4, 0.0);

( 370630.0, 3770260.0, 70.5, 70.5, 0.0);	( 370610.0, 3770270.0, 71.1, 71.1, 0.0);
( 370620.0, 3770270.0, 71.0, 71.0, 0.0);	( 370630.0, 3770270.0, 70.8, 70.8, 0.0);
( 370610.0, 3770280.0, 71.3, 71.3, 0.0);	( 370620.0, 3770280.0, 71.1, 71.1, 0.0);
( 370630.0, 3770280.0, 71.0, 71.0, 0.0);	( 370610.0, 3770290.0, 71.5, 71.5, 0.0);
( 370620.0, 3770290.0, 71.4, 71.4, 0.0);	( 370630.0, 3770290.0, 71.2, 71.2, 0.0);
( 370610.0, 3770300.0, 71.6, 71.6, 0.0);	( 370620.0, 3770300.0, 71.6, 71.6, 0.0);
( 370630.0, 3770300.0, 71.4, 71.4, 0.0);	( 370610.0, 3770310.0, 71.7, 71.7, 0.0);
( 370620.0, 3770310.0, 71.7, 71.7, 0.0);	( 370630.0, 3770310.0, 71.5, 71.5, 0.0);
( 370610.0, 3770320.0, 71.8, 71.8, 0.0);	( 370620.0, 3770320.0, 71.7, 71.7, 0.0);

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9600

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

( 370630.0, 3770320.0, 71.6, 71.6, 0.0);	( 370610.0, 3770330.0, 72.0, 72.0, 0.0);
( 370620.0, 3770330.0, 71.9, 71.9, 0.0);	( 370630.0, 3770330.0, 71.8, 71.8, 0.0);
( 370610.0, 3770340.0, 72.3, 72.3, 0.0);	( 370620.0, 3770340.0, 72.1, 72.1, 0.0);
( 370630.0, 3770340.0, 71.9, 71.9, 0.0);	( 370610.0, 3770350.0, 72.3, 72.3, 0.0);
( 370620.0, 3770350.0, 72.1, 72.1, 0.0);	( 370630.0, 3770350.0, 72.0, 72.0, 0.0);
( 370610.0, 3770360.0, 72.3, 72.3, 0.0);	( 370620.0, 3770360.0, 72.2, 72.2, 0.0);
( 370630.0, 3770360.0, 72.0, 72.0, 0.0);	( 370610.0, 3770370.0, 72.6, 72.6, 0.0);
( 370620.0, 3770370.0, 72.4, 72.4, 0.0);	( 370630.0, 3770370.0, 72.2, 72.2, 0.0);
( 370610.0, 3770380.0, 72.7, 72.7, 0.0);	( 370620.0, 3770380.0, 72.6, 72.6, 0.0);
( 370630.0, 3770380.0, 72.4, 72.4, 0.0);	( 370610.0, 3770390.0, 72.8, 72.8, 0.0);
( 370620.0, 3770390.0, 72.7, 72.7, 0.0);	( 370630.0, 3770390.0, 72.5, 72.5, 0.0);
( 370620.0, 3770400.0, 72.7, 72.7, 0.0);	( 370630.0, 3770400.0, 72.5, 72.5, 0.0);
( 370401.0, 3770260.0, 73.4, 73.4, 0.0);	( 370411.0, 3770260.0, 73.3, 73.3, 0.0);
( 370421.0, 3770260.0, 73.2, 73.2, 0.0);	( 370431.0, 3770260.0, 73.0, 73.0, 0.0);
( 370441.0, 3770260.0, 72.9, 72.9, 0.0);	( 370451.0, 3770260.0, 72.8, 72.8, 0.0);
( 370461.0, 3770260.0, 72.6, 72.6, 0.0);	( 370471.0, 3770260.0, 72.4, 72.4, 0.0);
( 370401.0, 3770270.0, 74.0, 74.0, 0.0);	( 370411.0, 3770270.0, 73.8, 73.8, 0.0);
( 370421.0, 3770270.0, 73.7, 73.7, 0.0);	( 370431.0, 3770270.0, 73.4, 73.4, 0.0);
( 370441.0, 3770270.0, 73.2, 73.2, 0.0);	( 370451.0, 3770270.0, 73.1, 73.1, 0.0);
( 370461.0, 3770270.0, 72.9, 72.9, 0.0);	( 370471.0, 3770270.0, 72.4, 72.4, 0.0);
( 370401.0, 3770280.0, 74.1, 74.1, 0.0);	( 370411.0, 3770280.0, 73.8, 73.8, 0.0);
( 370421.0, 3770280.0, 73.7, 73.7, 0.0);	( 370431.0, 3770280.0, 73.5, 73.5, 0.0);
( 370441.0, 3770280.0, 73.4, 73.4, 0.0);	( 370451.0, 3770280.0, 73.3, 73.3, 0.0);
( 370461.0, 3770280.0, 73.2, 73.2, 0.0);	( 370471.0, 3770280.0, 72.7, 72.7, 0.0);
( 370401.0, 3770290.0, 74.1, 74.1, 0.0);	( 370411.0, 3770290.0, 73.9, 73.9, 0.0);
( 370421.0, 3770290.0, 73.7, 73.7, 0.0);	( 370431.0, 3770290.0, 73.6, 73.6, 0.0);

( 370441.0, 3770290.0, 73.5, 73.5, 0.0); ( 370451.0, 3770290.0, 73.5, 73.5, 0.0);  
( 370461.0, 3770290.0, 73.4, 73.4, 0.0); ( 370471.0, 3770290.0, 73.2, 73.2, 0.0);  
( 370401.0, 3770300.0, 74.1, 74.1, 0.0); ( 370411.0, 3770300.0, 74.2, 74.2, 0.0);  
( 370421.0, 3770300.0, 73.9, 73.9, 0.0); ( 370431.0, 3770300.0, 73.7, 73.7, 0.0);  
( 370441.0, 3770300.0, 73.6, 73.6, 0.0); ( 370451.0, 3770300.0, 73.6, 73.6, 0.0);  
( 370461.0, 3770300.0, 73.4, 73.4, 0.0); ( 370471.0, 3770300.0, 73.3, 73.3, 0.0);  
( 370401.0, 3770310.0, 74.3, 74.3, 0.0); ( 370411.0, 3770310.0, 74.5, 74.5, 0.0);  
( 370421.0, 3770310.0, 74.4, 74.4, 0.0); ( 370431.0, 3770310.0, 74.1, 74.1, 0.0);  
( 370441.0, 3770310.0, 73.8, 73.8, 0.0); ( 370451.0, 3770310.0, 73.6, 73.6, 0.0);  
( 370461.0, 3770310.0, 73.5, 73.5, 0.0); ( 370471.0, 3770310.0, 73.3, 73.3, 0.0);  
( 370401.0, 3770320.0, 74.4, 74.4, 0.0); ( 370411.0, 3770320.0, 74.4, 74.4, 0.0);  
( 370421.0, 3770320.0, 74.4, 74.4, 0.0); ( 370431.0, 3770320.0, 74.2, 74.2, 0.0);  
( 370441.0, 3770320.0, 73.9, 73.9, 0.0); ( 370451.0, 3770320.0, 73.7, 73.7, 0.0);  
( 370461.0, 3770320.0, 73.5, 73.5, 0.0); ( 370471.0, 3770320.0, 73.3, 73.3, 0.0);  
( 370401.0, 3770330.0, 74.4, 74.4, 0.0); ( 370411.0, 3770330.0, 74.5, 74.5, 0.0);  
( 370421.0, 3770330.0, 74.5, 74.5, 0.0); ( 370431.0, 3770330.0, 74.3, 74.3, 0.0);  
( 370441.0, 3770330.0, 74.0, 74.0, 0.0); ( 370451.0, 3770330.0, 73.8, 73.8, 0.0);  
( 370461.0, 3770330.0, 73.7, 73.7, 0.0); ( 370471.0, 3770330.0, 73.5, 73.5, 0.0);  
( 370401.0, 3770340.0, 74.7, 74.7, 0.0); ( 370411.0, 3770340.0, 74.6, 74.6, 0.0);

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)  
(METERS)

( 370421.0, 3770340.0, 74.7, 74.7, 0.0); ( 370431.0, 3770340.0, 74.4, 74.4, 0.0);  
( 370441.0, 3770340.0, 74.0, 74.0, 0.0); ( 370451.0, 3770340.0, 73.9, 73.9, 0.0);  
( 370461.0, 3770340.0, 73.9, 73.9, 0.0); ( 370471.0, 3770340.0, 73.6, 73.6, 0.0);  
( 370401.0, 3770350.0, 74.8, 74.8, 0.0); ( 370411.0, 3770350.0, 74.8, 74.8, 0.0);  
( 370421.0, 3770350.0, 74.7, 74.7, 0.0); ( 370431.0, 3770350.0, 74.5, 74.5, 0.0);  
( 370441.0, 3770350.0, 74.2, 74.2, 0.0); ( 370451.0, 3770350.0, 74.0, 74.0, 0.0);  
( 370461.0, 3770350.0, 73.8, 73.8, 0.0); ( 370471.0, 3770350.0, 73.7, 73.7, 0.0);  
( 370401.0, 3770360.0, 74.9, 74.9, 0.0); ( 370411.0, 3770360.0, 75.0, 75.0, 0.0);  
( 370421.0, 3770360.0, 74.9, 74.9, 0.0); ( 370431.0, 3770360.0, 74.6, 74.6, 0.0);  
( 370441.0, 3770360.0, 74.2, 74.2, 0.0); ( 370451.0, 3770360.0, 74.1, 74.1, 0.0);  
( 370461.0, 3770360.0, 74.0, 74.0, 0.0); ( 370471.0, 3770360.0, 73.8, 73.8, 0.0);  
( 370340.0, 3770260.0, 73.9, 73.9, 0.0); ( 370350.0, 3770260.0, 74.0, 74.0, 0.0);  
( 370360.0, 3770260.0, 73.9, 73.9, 0.0); ( 370370.0, 3770260.0, 73.7, 73.7, 0.0);  
( 370340.0, 3770270.0, 74.2, 74.2, 0.0); ( 370350.0, 3770270.0, 74.2, 74.2, 0.0);  
( 370360.0, 3770270.0, 74.2, 74.2, 0.0); ( 370370.0, 3770270.0, 74.2, 74.2, 0.0);  
( 370340.0, 3770280.0, 74.3, 74.3, 0.0); ( 370350.0, 3770280.0, 74.4, 74.4, 0.0);

( 370360.0, 3770280.0, 74.3, 74.3, 0.0); ( 370370.0, 3770280.0, 74.2, 74.2, 0.0);  
( 370340.0, 3770290.0, 74.4, 74.4, 0.0); ( 370350.0, 3770290.0, 74.5, 74.5, 0.0);  
( 370360.0, 3770290.0, 74.5, 74.5, 0.0); ( 370370.0, 3770290.0, 74.3, 74.3, 0.0);  
( 370340.0, 3770300.0, 74.5, 74.5, 0.0); ( 370350.0, 3770300.0, 74.5, 74.5, 0.0);  
( 370360.0, 3770300.0, 74.5, 74.5, 0.0); ( 370370.0, 3770300.0, 74.4, 74.4, 0.0);  
( 370340.0, 3770310.0, 74.5, 74.5, 0.0); ( 370350.0, 3770310.0, 74.5, 74.5, 0.0);  
( 370360.0, 3770310.0, 74.5, 74.5, 0.0); ( 370370.0, 3770310.0, 74.4, 74.4, 0.0);  
( 370340.0, 3770320.0, 74.6, 74.6, 0.0); ( 370350.0, 3770320.0, 74.7, 74.7, 0.0);  
( 370360.0, 3770320.0, 74.6, 74.6, 0.0); ( 370370.0, 3770320.0, 74.5, 74.5, 0.0);  
( 370340.0, 3770330.0, 74.7, 74.7, 0.0); ( 370350.0, 3770330.0, 74.7, 74.7, 0.0);  
( 370360.0, 3770330.0, 74.7, 74.7, 0.0); ( 370370.0, 3770330.0, 74.6, 74.6, 0.0);  
( 370340.0, 3770340.0, 74.7, 74.7, 0.0); ( 370350.0, 3770340.0, 74.8, 74.8, 0.0);  
( 370360.0, 3770340.0, 74.8, 74.8, 0.0); ( 370370.0, 3770340.0, 74.8, 74.8, 0.0);  
( 370340.0, 3770350.0, 74.8, 74.8, 0.0); ( 370350.0, 3770350.0, 74.8, 74.8, 0.0);  
( 370360.0, 3770350.0, 74.8, 74.8, 0.0); ( 370370.0, 3770350.0, 74.8, 74.8, 0.0);  
( 370340.0, 3770360.0, 74.9, 74.9, 0.0); ( 370350.0, 3770360.0, 74.9, 74.9, 0.0);  
( 370360.0, 3770360.0, 75.0, 75.0, 0.0); ( 370370.0, 3770360.0, 75.0, 75.0, 0.0);  
( 370340.0, 3770370.0, 75.0, 75.0, 0.0); ( 370350.0, 3770370.0, 75.0, 75.0, 0.0);  
( 370360.0, 3770370.0, 75.0, 75.0, 0.0); ( 370370.0, 3770370.0, 74.9, 74.9, 0.0);

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* METEOROLOGICAL DAYS SELECTED FOR PROCESSING \*\*\*

(1=YES; 0=NO)

1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 111111

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUD

\*\*\* UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES \*\*\*

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA \*\*\*

Surface file: MET\SantaMonicaAirportADJU\KSMO\_V9\_ADJU\KSMO\_v9.SFC Met Version: 1  
 Profile file: MET\SantaMonicaAirportADJU\KSMO\_V9\_ADJU\KSMO\_v9.PFL  
 Surface format: FREE  
 Profile format: FREE  
 Surface station no.: 93197 Upper air station no.: 3190  
 Name: UNKNOWN Name: UNKNOWN  
 Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN	ALBEDO	REF	WS	WD	HT
12	01	01	1	01	-6.6	0.113	-9.000	-9.000	-999.	91.	19.8	0.17	2.20	1.00	1.26	131.	10.1	283.1	2.0
12	01	01	1	02	-7.6	0.121	-9.000	-9.000	-999.	101.	21.3	0.17	2.20	1.00	1.35	232.	10.1	282.0	2.0
12	01	01	1	03	-3.3	0.082	-9.000	-9.000	-999.	57.	15.3	0.17	2.20	1.00	0.86	46.	10.1	280.9	2.0
12	01	01	1	04	-5.4	0.102	-9.000	-9.000	-999.	79.	17.9	0.17	2.20	1.00	1.14	82.	10.1	281.4	2.0
12	01	01	1	05	-6.6	0.113	-9.000	-9.000	-999.	91.	19.8	0.17	2.20	1.00	1.26	205.	10.1	281.4	2.0
12	01	01	1	06	-7.4	0.119	-9.000	-9.000	-999.	99.	20.9	0.17	2.20	1.00	1.33	254.	10.1	280.9	2.0
12	01	01	1	07	-4.6	0.094	-9.000	-9.000	-999.	70.	16.6	0.17	2.20	1.00	1.04	39.	10.1	279.2	2.0
12	01	01	1	08	-16.0	0.197	-9.000	-9.000	-999.	209.	43.0	0.17	2.20	0.54	2.10	63.	10.1	282.0	2.0
12	01	01	1	09	36.8	0.255	0.339	0.005	38.	309.	-40.8	0.17	2.20	0.31	2.27	33.	10.1	292.0	2.0
12	01	01	1	10	102.6	0.234	0.691	0.006	117.	271.	-11.3	0.17	2.20	0.23	1.79	204.	10.1	289.2	2.0
12	01	01	1	11	154.6	0.178	1.118	0.005	327.	181.	-3.3	0.17	2.20	0.20	1.11	119.	10.1	296.4	2.0
12	01	01	1	12	182.0	0.295	1.459	0.005	618.	385.	-12.8	0.17	2.20	0.19	2.30	76.	10.1	300.9	2.0
12	01	01	1	13	175.0	0.355	1.686	0.005	991.	507.	-23.0	0.17	2.20	0.19	2.98	179.	10.1	293.8	2.0
12	01	01	1	14	148.1	0.374	1.737	0.005	1282.	549.	-31.9	0.17	2.20	0.20	3.25	211.	10.1	292.0	2.0
12	01	01	1	15	98.0	0.291	1.572	0.005	1436.	380.	-22.7	0.17	2.20	0.23	2.44	231.	10.1	290.9	2.0
12	01	01	1	16	28.2	0.303	1.044	0.005	1460.	400.	-89.0	0.17	2.20	0.32	2.85	217.	10.1	289.2	2.0
12	01	01	1	17	-22.4	0.259	-9.000	-9.000	-999.	317.	73.7	0.17	2.20	0.58	2.73	226.	10.1	287.0	2.0
12	01	01	1	18	-8.7	0.131	-9.000	-9.000	-999.	124.	23.3	0.17	2.20	1.00	1.45	230.	10.1	286.4	2.0
12	01	01	1	19	-13.2	0.163	-9.000	-9.000	-999.	157.	29.4	0.17	2.20	1.00	1.77	225.	10.1	285.9	2.0
12	01	01	1	20	-5.7	0.106	-9.000	-9.000	-999.	83.	18.6	0.17	2.20	1.00	1.18	182.	10.1	284.9	2.0
12	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.17	2.20	1.00	0.00	0.	10.1	284.2	2.0
12	01	01	1	22	-7.3	0.119	-9.000	-9.000	-999.	99.	21.1	0.17	2.20	1.00	1.33	202.	10.1	285.4	2.0
12	01	01	1	23	-6.0	0.108	-9.000	-9.000	-999.	86.	19.1	0.17	2.20	1.00	1.21	251.	10.1	284.9	2.0
12	01	01	1	24	-5.4	0.102	-9.000	-9.000	-999.	78.	18.0	0.17	2.20	1.00	1.14	224.	10.1	284.2	2.0



First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB\_TMP sigmaA sigmaW sigmaV

12 01 01 01 10.1 1 131. 1.26 283.2 99.0 -99.00 -99.00

F indicates top of profile (=1) or below (=0)

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\* 13:17:40

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ,  
INCLUDING SOURCE(S): AREA ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF CONSTR IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
370500.00	3770265.00	0.77872	370510.00	3770265.00	0.76127
370520.00	3770265.00	0.73864	370530.00	3770265.00	0.71283
370540.00	3770265.00	0.68177	370550.00	3770265.00	0.64940
370560.00	3770265.00	0.61437	370570.00	3770265.00	0.57769
370500.00	3770275.00	0.90174	370510.00	3770275.00	0.88296
370520.00	3770275.00	0.85592	370530.00	3770275.00	0.82320
370540.00	3770275.00	0.78256	370550.00	3770275.00	0.74214
370560.00	3770275.00	0.69822	370570.00	3770275.00	0.65262
370500.00	3770285.00	1.05652	370510.00	3770285.00	1.03632
370520.00	3770285.00	1.00294	370530.00	3770285.00	0.96563
370540.00	3770285.00	0.90898	370550.00	3770285.00	0.85899
370560.00	3770285.00	0.80613	370570.00	3770285.00	0.74939
370500.00	3770295.00	1.25313	370510.00	3770295.00	1.23155
370520.00	3770295.00	1.19485	370530.00	3770295.00	1.14457
370540.00	3770295.00	1.07071	370550.00	3770295.00	1.00749
370560.00	3770295.00	0.93694	370570.00	3770295.00	0.86297
370500.00	3770305.00	1.51103	370510.00	3770305.00	1.48976
370520.00	3770305.00	1.44132	370530.00	3770305.00	1.36996
370540.00	3770305.00	1.28427	370550.00	3770305.00	1.20167
370560.00	3770305.00	1.10885	370570.00	3770305.00	1.01442
370500.00	3770315.00	1.84971	370510.00	3770315.00	1.83104
370520.00	3770315.00	1.77282	370530.00	3770315.00	1.68161
370540.00	3770315.00	1.57313	370550.00	3770315.00	1.45722
370560.00	3770315.00	1.32783	370570.00	3770315.00	1.20414
370500.00	3770325.00	2.32718	370510.00	3770325.00	2.31709

370520.00	3770325.00	2.24353	370530.00	3770325.00	2.13069
370540.00	3770325.00	1.97689	370550.00	3770325.00	1.82548
370560.00	3770325.00	1.65529	370570.00	3770325.00	1.48691
370500.00	3770335.00	2.97613	370510.00	3770335.00	2.97576
370520.00	3770335.00	2.88261	370530.00	3770335.00	2.73811
370540.00	3770335.00	2.54935	370550.00	3770335.00	2.36637
370560.00	3770335.00	2.14930	370570.00	3770335.00	1.91596
370500.00	3770345.00	3.82343	370510.00	3770345.00	3.81498
370520.00	3770345.00	3.71732	370530.00	3770345.00	3.57227
370540.00	3770345.00	3.41821	370550.00	3770345.00	3.24079
370560.00	3770345.00	2.97006	370570.00	3770345.00	2.63103
370630.00	3770260.00	0.36054	370610.00	3770270.00	0.45864
370620.00	3770270.00	0.42467	370630.00	3770270.00	0.39369
370610.00	3770280.00	0.50740	370620.00	3770280.00	0.46760
370630.00	3770280.00	0.43233	370610.00	3770290.00	0.56683

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ,  
 INCLUDING SOURCE(S): AREA ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF CONSTR IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
370620.00	3770290.00	0.52066	370630.00	3770290.00	0.47968
370610.00	3770300.00	0.64048	370620.00	3770300.00	0.58642
370630.00	3770300.00	0.53883	370610.00	3770310.00	0.73454
370620.00	3770310.00	0.67112	370630.00	3770310.00	0.61736
370610.00	3770320.00	0.86382	370620.00	3770320.00	0.78933
370630.00	3770320.00	0.72806	370610.00	3770330.00	1.06213
370620.00	3770330.00	0.97311	370630.00	3770330.00	0.89935
370610.00	3770340.00	1.40145	370620.00	3770340.00	1.28605
370630.00	3770340.00	1.18507	370610.00	3770350.00	2.05952
370620.00	3770350.00	1.87025	370630.00	3770350.00	1.68590
370610.00	3770360.00	3.47898	370620.00	3770360.00	2.96479
370630.00	3770360.00	2.53069	370610.00	3770370.00	5.89989
370620.00	3770370.00	4.68470	370630.00	3770370.00	3.78923
370610.00	3770380.00	8.77827	370620.00	3770380.00	6.82633
370630.00	3770380.00	5.39646	370610.00	3770390.00	11.63392

370620.00	3770390.00	9.09590	370630.00	3770390.00	7.16746
370620.00	3770400.00	11.27710	370630.00	3770400.00	8.95513
370401.00	3770260.00	0.68079	370411.00	3770260.00	0.69867
370421.00	3770260.00	0.71459	370431.00	3770260.00	0.72768
370441.00	3770260.00	0.73804	370451.00	3770260.00	0.74531
370461.00	3770260.00	0.74890	370471.00	3770260.00	0.74826
370401.00	3770270.00	0.76840	370411.00	3770270.00	0.79117
370421.00	3770270.00	0.81171	370431.00	3770270.00	0.82877
370441.00	3770270.00	0.84300	370451.00	3770270.00	0.85338
370461.00	3770270.00	0.85963	370471.00	3770270.00	0.85820
370401.00	3770280.00	0.87027	370411.00	3770280.00	0.89873
370421.00	3770280.00	0.92496	370431.00	3770280.00	0.94779
370441.00	3770280.00	0.96785	370451.00	3770280.00	0.98370
370461.00	3770280.00	0.99427	370471.00	3770280.00	0.99600
370401.00	3770290.00	0.99094	370411.00	3770290.00	1.02717
370421.00	3770290.00	1.06104	370431.00	3770290.00	1.09167
370441.00	3770290.00	1.11906	370451.00	3770290.00	1.14262
370461.00	3770290.00	1.15972	370471.00	3770290.00	1.16989
370401.00	3770300.00	1.13493	370411.00	3770300.00	1.18316
370421.00	3770300.00	1.22627	370431.00	3770300.00	1.26599
370441.00	3770300.00	1.30245	370451.00	3770300.00	1.33582
370461.00	3770300.00	1.36266	370471.00	3770300.00	1.38285
370401.00	3770310.00	1.31071	370411.00	3770310.00	1.37400
370421.00	3770310.00	1.43131	370431.00	3770310.00	1.48234
370441.00	3770310.00	1.52855	370451.00	3770310.00	1.57475

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ,  
 INCLUDING SOURCE(S): AREA ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF CONSTR IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
370461.00	3770310.00	1.61731	370471.00	3770310.00	1.65095
370401.00	3770320.00	1.52812	370411.00	3770320.00	1.60560
370421.00	3770320.00	1.67878	370431.00	3770320.00	1.74593
370441.00	3770320.00	1.80831	370451.00	3770320.00	1.87252
370461.00	3770320.00	1.93550	370471.00	3770320.00	1.99603

370401.00	3770330.00	1.79877	370411.00	3770330.00	1.90073
370421.00	3770330.00	1.99410	370431.00	3770330.00	2.07819
370441.00	3770330.00	2.15776	370451.00	3770330.00	2.24457
370461.00	3770330.00	2.34239	370471.00	3770330.00	2.44464
370401.00	3770340.00	2.15793	370411.00	3770340.00	2.28289
370421.00	3770340.00	2.40062	370431.00	3770340.00	2.50190
370441.00	3770340.00	2.59778	370451.00	3770340.00	2.71471
370461.00	3770340.00	2.86280	370471.00	3770340.00	3.01823
370401.00	3770350.00	2.62579	370411.00	3770350.00	2.79005
370421.00	3770350.00	2.93176	370431.00	3770350.00	3.05469
370441.00	3770350.00	3.17297	370451.00	3770350.00	3.31388
370461.00	3770350.00	3.49822	370471.00	3770350.00	3.74650
370401.00	3770360.00	3.26065	370411.00	3770360.00	3.46922
370421.00	3770360.00	3.63658	370431.00	3770360.00	3.77266
370441.00	3770360.00	3.91052	370451.00	3770360.00	4.08817
370461.00	3770360.00	4.32558	370471.00	3770360.00	4.62915
370340.00	3770260.00	0.54813	370350.00	3770260.00	0.57141
370360.00	3770260.00	0.59423	370370.00	3770260.00	0.61660
370340.00	3770270.00	0.60334	370350.00	3770270.00	0.63163
370360.00	3770270.00	0.65986	370370.00	3770270.00	0.68765
370340.00	3770280.00	0.66536	370350.00	3770280.00	0.70005
370360.00	3770280.00	0.73468	370370.00	3770280.00	0.76897
370340.00	3770290.00	0.73541	370350.00	3770290.00	0.77809
370360.00	3770290.00	0.82118	370370.00	3770290.00	0.86376
370340.00	3770300.00	0.81474	370350.00	3770300.00	0.86765
370360.00	3770300.00	0.92115	370370.00	3770300.00	0.97495
370340.00	3770310.00	0.90467	370350.00	3770310.00	0.97072
370360.00	3770310.00	1.03822	370370.00	3770310.00	1.10643
370340.00	3770320.00	1.00701	370350.00	3770320.00	1.09029
370360.00	3770320.00	1.17651	370370.00	3770320.00	1.26425
370340.00	3770330.00	1.12261	370350.00	3770330.00	1.22880
370360.00	3770330.00	1.34085	370370.00	3770330.00	1.45622
370340.00	3770340.00	1.25271	370350.00	3770340.00	1.38936
370360.00	3770340.00	1.53746	370370.00	3770340.00	1.69417
370340.00	3770350.00	1.39692	370350.00	3770350.00	1.57345

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9  
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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ,  
 INCLUDING SOURCE(S): AREA ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF CONSTR IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
370360.00	3770350.00	1.77270	370370.00	3770350.00	1.98927
370340.00	3770360.00	1.55272	370350.00	3770360.00	1.78076
370360.00	3770360.00	2.05384	370370.00	3770360.00	2.36224
370340.00	3770370.00	1.71352	370350.00	3770370.00	2.00313
370360.00	3770370.00	2.36459	370370.00	3770370.00	2.80121

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9  
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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: I  
INCLUDING SOURCE(S): L0000001 ,L0000002 ,L0000003 ,L0000004 ,L0000005  
L0000006 ,L0000007 ,L0000008 ,L0000009 ,L0000010 ,L0000011 ,L0000012 ,L0000  
L0000014 ,L0000015 ,L0000016 ,L0000017 ,L0000018 ,L0000019 ,L0000020 ,L0000  
L0000022 ,L0000023 ,L0000024 ,L0000025 ,L0000026 ,L0000027 ,L0000028 , ...

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF CONSTR IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
370500.00	3770265.00	0.46111	370510.00	3770265.00	0.44718
370520.00	3770265.00	0.43231	370530.00	3770265.00	0.41689
370540.00	3770265.00	0.40074	370550.00	3770265.00	0.38451
370560.00	3770265.00	0.36811	370570.00	3770265.00	0.35176
370500.00	3770275.00	0.49871	370510.00	3770275.00	0.48322
370520.00	3770275.00	0.46639	370530.00	3770275.00	0.44870
370540.00	3770275.00	0.43006	370550.00	3770275.00	0.41156
370560.00	3770275.00	0.39289	370570.00	3770275.00	0.37435
370500.00	3770285.00	0.54210	370510.00	3770285.00	0.52461
370520.00	3770285.00	0.50527	370530.00	3770285.00	0.48523
370540.00	3770285.00	0.46330	370550.00	3770285.00	0.44213
370560.00	3770285.00	0.42098	370570.00	3770285.00	0.39989
370500.00	3770295.00	0.59250	370510.00	3770295.00	0.57248
370520.00	3770295.00	0.55040	370530.00	3770295.00	0.52679
370540.00	3770295.00	0.50124	370550.00	3770295.00	0.47671
370560.00	3770295.00	0.45201	370570.00	3770295.00	0.42763
370500.00	3770305.00	0.65205	370510.00	3770305.00	0.62887

370520.00	3770305.00	0.60269	370530.00	3770305.00	0.57440
370540.00	3770305.00	0.54500	370550.00	3770305.00	0.51613
370560.00	3770305.00	0.48722	370570.00	3770305.00	0.45907
370500.00	3770315.00	0.72286	370510.00	3770315.00	0.69566
370520.00	3770315.00	0.66456	370530.00	3770315.00	0.63076
370540.00	3770315.00	0.59584	370550.00	3770315.00	0.56103
370560.00	3770315.00	0.52647	370570.00	3770315.00	0.49360
370500.00	3770325.00	0.80998	370510.00	3770325.00	0.77740
370520.00	3770325.00	0.73951	370530.00	3770325.00	0.69857
370540.00	3770325.00	0.65552	370550.00	3770325.00	0.61345
370560.00	3770325.00	0.57223	370570.00	3770325.00	0.53331
370500.00	3770335.00	0.91781	370510.00	3770335.00	0.87788
370520.00	3770335.00	0.83069	370530.00	3770335.00	0.77954
370540.00	3770335.00	0.72614	370550.00	3770335.00	0.67453
370560.00	3770335.00	0.62476	370570.00	3770335.00	0.57824
370500.00	3770345.00	1.05436	370510.00	3770345.00	1.00368
370520.00	3770345.00	0.94330	370530.00	3770345.00	0.87769
370540.00	3770345.00	0.81078	370550.00	3770345.00	0.74655
370560.00	3770345.00	0.68547	370570.00	3770345.00	0.62937
370630.00	3770260.00	0.25777	370610.00	3770270.00	0.29817
370620.00	3770270.00	0.28360	370630.00	3770270.00	0.26978
370610.00	3770280.00	0.31387	370620.00	3770280.00	0.29771
370630.00	3770280.00	0.28253	370610.00	3770290.00	0.33092

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: I  
 INCLUDING SOURCE(S): L0000001 ,L0000002 ,L0000003 ,L0000004 ,L0000005  
 L0000006 ,L0000007 ,L0000008 ,L0000009 ,L0000010 ,L0000011 ,L0000012 ,L0000  
 L0000014 ,L0000015 ,L0000016 ,L0000017 ,L0000018 ,L0000019 ,L0000020 ,L0000  
 L0000022 ,L0000023 ,L0000024 ,L0000025 ,L0000026 ,L0000027 ,L0000028 , ...

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF CONSTR IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
370620.00	3770290.00	0.31303	370630.00	3770290.00	0.29621
370610.00	3770300.00	0.34937	370620.00	3770300.00	0.32945
370630.00	3770300.00	0.31077	370610.00	3770310.00	0.36926
370620.00	3770310.00	0.34700	370630.00	3770310.00	0.32635

370610.00	3770320.00	0.39081	370620.00	3770320.00	0.36589
370630.00	3770320.00	0.34301	370610.00	3770330.00	0.41443
370620.00	3770330.00	0.38644	370630.00	3770330.00	0.36094
370610.00	3770340.00	0.44019	370620.00	3770340.00	0.40862
370630.00	3770340.00	0.38021	370610.00	3770350.00	0.46779
370620.00	3770350.00	0.43249	370630.00	3770350.00	0.40096
370610.00	3770360.00	0.49830	370620.00	3770360.00	0.45871
370630.00	3770360.00	0.42366	370610.00	3770370.00	0.53271
370620.00	3770370.00	0.48815	370630.00	3770370.00	0.44914
370610.00	3770380.00	0.57162	370620.00	3770380.00	0.52174
370630.00	3770380.00	0.47843	370610.00	3770390.00	0.61771
370620.00	3770390.00	0.56138	370630.00	3770390.00	0.51283
370620.00	3770400.00	0.60975	370630.00	3770400.00	0.55461
370401.00	3770260.00	0.52800	370411.00	3770260.00	0.52272
370421.00	3770260.00	0.51690	370431.00	3770260.00	0.51036
370441.00	3770260.00	0.50318	370451.00	3770260.00	0.49529
370461.00	3770260.00	0.48656	370471.00	3770260.00	0.47687
370401.00	3770270.00	0.56945	370411.00	3770270.00	0.56408
370421.00	3770270.00	0.55812	370431.00	3770270.00	0.55131
370441.00	3770270.00	0.54383	370451.00	3770270.00	0.53547
370461.00	3770270.00	0.52616	370471.00	3770270.00	0.51523
370401.00	3770280.00	0.61570	370411.00	3770280.00	0.61026
370421.00	3770280.00	0.60426	370431.00	3770280.00	0.59743
370441.00	3770280.00	0.58989	370451.00	3770280.00	0.58130
370461.00	3770280.00	0.57146	370471.00	3770280.00	0.55981
370401.00	3770290.00	0.66806	370411.00	3770290.00	0.66284
370421.00	3770290.00	0.65704	370431.00	3770290.00	0.65040
370441.00	3770290.00	0.64283	370451.00	3770290.00	0.63413
370461.00	3770290.00	0.62381	370471.00	3770290.00	0.61181
370401.00	3770300.00	0.72758	370411.00	3770300.00	0.72325
370421.00	3770300.00	0.71780	370431.00	3770300.00	0.71144
370441.00	3770300.00	0.70400	370451.00	3770300.00	0.69527
370461.00	3770300.00	0.68462	370471.00	3770300.00	0.67195
370401.00	3770310.00	0.79598	370411.00	3770310.00	0.79278
370421.00	3770310.00	0.78842	370431.00	3770310.00	0.78274
370441.00	3770310.00	0.77557	370451.00	3770310.00	0.76710

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*

\*\*\* 13:17:40

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: I  
INCLUDING SOURCE(S): L0000001 ,L0000002 ,L0000003 ,L0000004 ,L0000005  
L0000006 ,L0000007 ,L0000008 ,L0000009 ,L0000010 ,L0000011 ,L0000012 ,L0000

L0000014 ,L0000015 ,L0000016 ,L0000017 ,L0000018 ,L0000019 ,L0000020 ,L0000  
L0000022 ,L0000023 ,L0000024 ,L0000025 ,L0000026 ,L0000027 ,L0000028 , ...

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF CONSTR IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
370461.00	3770310.00	0.75649	370471.00	3770310.00	0.74299
370401.00	3770320.00	0.87483	370411.00	3770320.00	0.87260
370421.00	3770320.00	0.86974	370431.00	3770320.00	0.86567
370441.00	3770320.00	0.85992	370451.00	3770320.00	0.85243
370461.00	3770320.00	0.84217	370471.00	3770320.00	0.82853
370401.00	3770330.00	0.96575	370411.00	3770330.00	0.96591
370421.00	3770330.00	0.96540	370431.00	3770330.00	0.96371
370441.00	3770330.00	0.96031	370451.00	3770330.00	0.95491
370461.00	3770330.00	0.94645	370471.00	3770330.00	0.93330
370401.00	3770340.00	1.07234	370411.00	3770340.00	1.07512
370421.00	3770340.00	1.07798	370431.00	3770340.00	1.08036
370441.00	3770340.00	1.08096	370451.00	3770340.00	1.07983
370461.00	3770340.00	1.07531	370471.00	3770340.00	1.06362
370401.00	3770350.00	1.19675	370411.00	3770350.00	1.20359
370421.00	3770350.00	1.21162	370431.00	3770350.00	1.22045
370441.00	3770350.00	1.22820	370451.00	3770350.00	1.23415
370461.00	3770350.00	1.23590	370471.00	3770350.00	1.23009
370401.00	3770360.00	1.34349	370411.00	3770360.00	1.35573
370421.00	3770360.00	1.37124	370431.00	3770360.00	1.38979
370441.00	3770360.00	1.40864	370451.00	3770360.00	1.42771
370461.00	3770360.00	1.44305	370471.00	3770360.00	1.44757
370340.00	3770260.00	0.55128	370350.00	3770260.00	0.54851
370360.00	3770260.00	0.54521	370370.00	3770260.00	0.54156
370340.00	3770270.00	0.59224	370350.00	3770270.00	0.58946
370360.00	3770270.00	0.58636	370370.00	3770270.00	0.58284
370340.00	3770280.00	0.63768	370350.00	3770280.00	0.63509
370360.00	3770280.00	0.63205	370370.00	3770280.00	0.62862
370340.00	3770290.00	0.68855	370350.00	3770290.00	0.68617
370360.00	3770290.00	0.68345	370370.00	3770290.00	0.68018
370340.00	3770300.00	0.74577	370350.00	3770300.00	0.74371
370360.00	3770300.00	0.74118	370370.00	3770300.00	0.73845
370340.00	3770310.00	0.81041	370350.00	3770310.00	0.80876
370360.00	3770310.00	0.80672	370370.00	3770310.00	0.80450
370340.00	3770320.00	0.88412	370350.00	3770320.00	0.88293
370360.00	3770320.00	0.88150	370370.00	3770320.00	0.87998



370340.00	3770330.00	0.96820	370350.00	3770330.00	0.96773
370360.00	3770330.00	0.96713	370370.00	3770330.00	0.96665
370340.00	3770340.00	1.06514	370350.00	3770340.00	1.06547
370360.00	3770340.00	1.06590	370370.00	3770340.00	1.06678
370340.00	3770350.00	1.17773	370350.00	3770350.00	1.17894

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9  
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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: I  
 INCLUDING SOURCE(S): L0000001 ,L0000002 ,L0000003 ,L0000004 ,L0000005  
 L0000006 ,L0000007 ,L0000008 ,L0000009 ,L0000010 ,L0000011 ,L0000012 ,L0000  
 L0000014 ,L0000015 ,L0000016 ,L0000017 ,L0000018 ,L0000019 ,L0000020 ,L0000  
 L0000022 ,L0000023 ,L0000024 ,L0000025 ,L0000026 ,L0000027 ,L0000028 , ...

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF CONSTR IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
370360.00	3770350.00	1.18066	370370.00	3770350.00	1.18306
370340.00	3770360.00	1.30983	370350.00	3770360.00	1.31210
370360.00	3770360.00	1.31557	370370.00	3770360.00	1.31970
370340.00	3770370.00	1.46647	370350.00	3770370.00	1.46995
370360.00	3770370.00	1.47476	370370.00	3770370.00	1.48103

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9  
 \*\*\* AERMET - VERSION 16216 \*\*\* 13:17:40

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: I  
 INCLUDING SOURCE(S): AREA ,L0000001 ,L0000002 ,L0000003 ,L0000004 ,  
 L0000005 ,L0000006 ,L0000007 ,L0000008 ,L0000009 ,L0000010 ,L0000011 ,L0000  
 L0000013 ,L0000014 ,L0000015 ,L0000016 ,L0000017 ,L0000018 ,L0000019 ,L0000  
 L0000021 ,L0000022 ,L0000023 ,L0000024 ,L0000025 ,L0000026 ,L0000027 , ...

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF CONSTR IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
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370500.00	3770265.00	1.23982	370510.00	3770265.00	1.20846
370520.00	3770265.00	1.17095	370530.00	3770265.00	1.12972
370540.00	3770265.00	1.08251	370550.00	3770265.00	1.03391
370560.00	3770265.00	0.98247	370570.00	3770265.00	0.92945
370500.00	3770275.00	1.40046	370510.00	3770275.00	1.36618
370520.00	3770275.00	1.32231	370530.00	3770275.00	1.27190
370540.00	3770275.00	1.21262	370550.00	3770275.00	1.15370
370560.00	3770275.00	1.09111	370570.00	3770275.00	1.02697
370500.00	3770285.00	1.59862	370510.00	3770285.00	1.56093
370520.00	3770285.00	1.50821	370530.00	3770285.00	1.45086
370540.00	3770285.00	1.37229	370550.00	3770285.00	1.30112
370560.00	3770285.00	1.22711	370570.00	3770285.00	1.14928
370500.00	3770295.00	1.84563	370510.00	3770295.00	1.80404
370520.00	3770295.00	1.74525	370530.00	3770295.00	1.67136
370540.00	3770295.00	1.57195	370550.00	3770295.00	1.48420
370560.00	3770295.00	1.38895	370570.00	3770295.00	1.29060
370500.00	3770305.00	2.16308	370510.00	3770305.00	2.11864
370520.00	3770305.00	2.04401	370530.00	3770305.00	1.94436
370540.00	3770305.00	1.82927	370550.00	3770305.00	1.71781
370560.00	3770305.00	1.59607	370570.00	3770305.00	1.47349
370500.00	3770315.00	2.57257	370510.00	3770315.00	2.52670
370520.00	3770315.00	2.43738	370530.00	3770315.00	2.31238
370540.00	3770315.00	2.16897	370550.00	3770315.00	2.01825
370560.00	3770315.00	1.85431	370570.00	3770315.00	1.69774
370500.00	3770325.00	3.13716	370510.00	3770325.00	3.09449
370520.00	3770325.00	2.98304	370530.00	3770325.00	2.82926
370540.00	3770325.00	2.63242	370550.00	3770325.00	2.43893
370560.00	3770325.00	2.22752	370570.00	3770325.00	2.02022
370500.00	3770335.00	3.89394	370510.00	3770335.00	3.85364
370520.00	3770335.00	3.71330	370530.00	3770335.00	3.51764
370540.00	3770335.00	3.27549	370550.00	3770335.00	3.04089
370560.00	3770335.00	2.77406	370570.00	3770335.00	2.49420
370500.00	3770345.00	4.87779	370510.00	3770345.00	4.81866
370520.00	3770345.00	4.66063	370530.00	3770345.00	4.44997
370540.00	3770345.00	4.22899	370550.00	3770345.00	3.98735
370560.00	3770345.00	3.65553	370570.00	3770345.00	3.26040
370630.00	3770260.00	0.61831	370610.00	3770270.00	0.75681
370620.00	3770270.00	0.70827	370630.00	3770270.00	0.66347
370610.00	3770280.00	0.82127	370620.00	3770280.00	0.76531
370630.00	3770280.00	0.71486	370610.00	3770290.00	0.89776

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*

\*\*\* 13:17:40

\*\*\* THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:  
 INCLUDING SOURCE(S): AREA ,L0000001 ,L0000002 ,L0000003 ,L0000004 ,  
 L0000005 ,L0000006 ,L0000007 ,L0000008 ,L0000009 ,L0000010 ,L0000011 ,L0000  
 L0000013 ,L0000014 ,L0000015 ,L0000016 ,L0000017 ,L0000018 ,L0000019 ,L0000  
 L0000021 ,L0000022 ,L0000023 ,L0000024 ,L0000025 ,L0000026 ,L0000027 ,...

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF CONSTR IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
370620.00	3770290.00	0.83369	370630.00	3770290.00	0.77589
370610.00	3770300.00	0.98985	370620.00	3770300.00	0.91586
370630.00	3770300.00	0.84960	370610.00	3770310.00	1.10379
370620.00	3770310.00	1.01811	370630.00	3770310.00	0.94372
370610.00	3770320.00	1.25463	370620.00	3770320.00	1.15521
370630.00	3770320.00	1.07106	370610.00	3770330.00	1.47656
370620.00	3770330.00	1.35955	370630.00	3770330.00	1.26029
370610.00	3770340.00	1.84164	370620.00	3770340.00	1.69467
370630.00	3770340.00	1.56527	370610.00	3770350.00	2.52731
370620.00	3770350.00	2.30274	370630.00	3770350.00	2.08686
370610.00	3770360.00	3.97728	370620.00	3770360.00	3.42350
370630.00	3770360.00	2.95435	370610.00	3770370.00	6.43260
370620.00	3770370.00	5.17286	370630.00	3770370.00	4.23836
370610.00	3770380.00	9.34990	370620.00	3770380.00	7.34807
370630.00	3770380.00	5.87489	370610.00	3770390.00	12.25163
370620.00	3770390.00	9.65728	370630.00	3770390.00	7.68029
370620.00	3770400.00	11.88685	370630.00	3770400.00	9.50974
370401.00	3770260.00	1.20880	370411.00	3770260.00	1.22138
370421.00	3770260.00	1.23149	370431.00	3770260.00	1.23804
370441.00	3770260.00	1.24122	370451.00	3770260.00	1.24060
370461.00	3770260.00	1.23546	370471.00	3770260.00	1.22513
370401.00	3770270.00	1.33785	370411.00	3770270.00	1.35525
370421.00	3770270.00	1.36983	370431.00	3770270.00	1.38007
370441.00	3770270.00	1.38683	370451.00	3770270.00	1.38885
370461.00	3770270.00	1.38579	370471.00	3770270.00	1.37342
370401.00	3770280.00	1.48597	370411.00	3770280.00	1.50899
370421.00	3770280.00	1.52922	370431.00	3770280.00	1.54523
370441.00	3770280.00	1.55775	370451.00	3770280.00	1.56501
370461.00	3770280.00	1.56574	370471.00	3770280.00	1.55581
370401.00	3770290.00	1.65900	370411.00	3770290.00	1.69001
370421.00	3770290.00	1.71808	370431.00	3770290.00	1.74207

370441.00	3770290.00	1.76189	370451.00	3770290.00	1.77675
370461.00	3770290.00	1.78353	370471.00	3770290.00	1.78170
370401.00	3770300.00	1.86251	370411.00	3770300.00	1.90641
370421.00	3770300.00	1.94407	370431.00	3770300.00	1.97743
370441.00	3770300.00	2.00645	370451.00	3770300.00	2.03109
370461.00	3770300.00	2.04728	370471.00	3770300.00	2.05480
370401.00	3770310.00	2.10669	370411.00	3770310.00	2.16679
370421.00	3770310.00	2.21973	370431.00	3770310.00	2.26508
370441.00	3770310.00	2.30412	370451.00	3770310.00	2.34185

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\* 13:17:40

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:  
 INCLUDING SOURCE(S): AREA ,L0000001 ,L0000002 ,L0000003 ,L0000004 ,  
 L0000005 ,L0000006 ,L0000007 ,L0000008 ,L0000009 ,L0000010 ,L0000011 ,L0000  
 L0000013 ,L0000014 ,L0000015 ,L0000016 ,L0000017 ,L0000018 ,L0000019 ,L0000  
 L0000021 ,L0000022 ,L0000023 ,L0000024 ,L0000025 ,L0000026 ,L0000027 , ...

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF CONSTR IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
370461.00	3770310.00	2.37380	370471.00	3770310.00	2.39394
370401.00	3770320.00	2.40295	370411.00	3770320.00	2.47820
370421.00	3770320.00	2.54852	370431.00	3770320.00	2.61160
370441.00	3770320.00	2.66822	370451.00	3770320.00	2.72495
370461.00	3770320.00	2.77767	370471.00	3770320.00	2.82456
370401.00	3770330.00	2.76452	370411.00	3770330.00	2.86664
370421.00	3770330.00	2.95950	370431.00	3770330.00	3.04190
370441.00	3770330.00	3.11807	370451.00	3770330.00	3.19948
370461.00	3770330.00	3.28884	370471.00	3770330.00	3.37794
370401.00	3770340.00	3.23027	370411.00	3770340.00	3.35801
370421.00	3770340.00	3.47861	370431.00	3770340.00	3.58227
370441.00	3770340.00	3.67874	370451.00	3770340.00	3.79454
370461.00	3770340.00	3.93811	370471.00	3770340.00	4.08185
370401.00	3770350.00	3.82253	370411.00	3770350.00	3.99364
370421.00	3770350.00	4.14338	370431.00	3770350.00	4.27514
370441.00	3770350.00	4.40117	370451.00	3770350.00	4.54803
370461.00	3770350.00	4.73412	370471.00	3770350.00	4.97659
370401.00	3770360.00	4.60414	370411.00	3770360.00	4.82495

370421.00	3770360.00	5.00782	370431.00	3770360.00	5.16245
370441.00	3770360.00	5.31916	370451.00	3770360.00	5.51588
370461.00	3770360.00	5.76863	370471.00	3770360.00	6.07671
370340.00	3770260.00	1.09941	370350.00	3770260.00	1.11992
370360.00	3770260.00	1.13944	370370.00	3770260.00	1.15816
370340.00	3770270.00	1.19559	370350.00	3770270.00	1.22109
370360.00	3770270.00	1.24623	370370.00	3770270.00	1.27049
370340.00	3770280.00	1.30304	370350.00	3770280.00	1.33514
370360.00	3770280.00	1.36673	370370.00	3770280.00	1.39758
370340.00	3770290.00	1.42396	370350.00	3770290.00	1.46426
370360.00	3770290.00	1.50462	370370.00	3770290.00	1.54394
370340.00	3770300.00	1.56050	370350.00	3770300.00	1.61136
370360.00	3770300.00	1.66234	370370.00	3770300.00	1.71340
370340.00	3770310.00	1.71507	370350.00	3770310.00	1.77948
370360.00	3770310.00	1.84494	370370.00	3770310.00	1.91093
370340.00	3770320.00	1.89112	370350.00	3770320.00	1.97322
370360.00	3770320.00	2.05802	370370.00	3770320.00	2.14423
370340.00	3770330.00	2.09081	370350.00	3770330.00	2.19653
370360.00	3770330.00	2.30798	370370.00	3770330.00	2.42287
370340.00	3770340.00	2.31785	370350.00	3770340.00	2.45483
370360.00	3770340.00	2.60336	370370.00	3770340.00	2.76095
370340.00	3770350.00	2.57465	370350.00	3770350.00	2.75238

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* \*\*\* 13:17:40

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:  
 INCLUDING SOURCE(S): AREA ,L0000001 ,L0000002 ,L0000003 ,L0000004 ,  
 L0000005 ,L0000006 ,L0000007 ,L0000008 ,L0000009 ,L0000010 ,L0000011 ,L0000  
 L0000013 ,L0000014 ,L0000015 ,L0000016 ,L0000017 ,L0000018 ,L0000019 ,L0000  
 L0000021 ,L0000022 ,L0000023 ,L0000024 ,L0000025 ,L0000026 ,L0000027 , ...

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF CONSTR IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
370360.00	3770350.00	2.95336	370370.00	3770350.00	3.17233
370340.00	3770360.00	2.86255	370350.00	3770360.00	3.09286
370360.00	3770360.00	3.36942	370370.00	3770360.00	3.68194
370340.00	3770370.00	3.17999	370350.00	3770370.00	3.47307
370360.00	3770370.00	3.83935	370370.00	3770370.00	4.28225

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: A  
 INCLUDING SOURCE(S): AREA ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF CONSTR IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (
370500.00	3770265.00	213.97809 (16112818)	370510.00	3770265.00	227.29204 (161
370520.00	3770265.00	238.52420 (16112818)	370530.00	3770265.00	247.60259 (161
370540.00	3770265.00	253.25972 (16112818)	370550.00	3770265.00	256.11513 (161
370560.00	3770265.00	255.42407 (16112818)	370570.00	3770265.00	251.15624 (161
370500.00	3770275.00	232.28458 (16112818)	370510.00	3770275.00	247.56036 (161
370520.00	3770275.00	260.19653 (16112818)	370530.00	3770275.00	270.01611 (161
370540.00	3770275.00	275.54126 (16112818)	370550.00	3770275.00	278.31275 (161
370560.00	3770275.00	276.77837 (16112818)	370570.00	3770275.00	271.08305 (161
370500.00	3770285.00	253.11216 (16112818)	370510.00	3770285.00	270.61030 (161
370520.00	3770285.00	284.68584 (16112818)	370530.00	3770285.00	296.55008 (161
370540.00	3770285.00	301.12677 (16112818)	370550.00	3770285.00	304.15383 (161
370560.00	3770285.00	302.45699 (16112818)	370570.00	3770285.00	295.25078 (161
370500.00	3770295.00	276.64572 (16112818)	370510.00	3770295.00	296.70277 (161
370520.00	3770295.00	313.50809 (16112818)	370530.00	3770295.00	326.14432 (161
370540.00	3770295.00	330.72640 (16112818)	370550.00	3770295.00	333.98450 (161
370560.00	3770295.00	330.61829 (16112818)	370570.00	3770295.00	320.83025 (161
370500.00	3770305.00	305.17566 (13112918)	370510.00	3770305.00	327.39906 (161
370520.00	3770305.00	345.96603 (16112818)	370530.00	3770305.00	358.74891 (161
370540.00	3770305.00	365.63804 (16112818)	370550.00	3770305.00	368.92801 (161
370560.00	3770305.00	364.07662 (16112818)	370570.00	3770305.00	351.97374 (161
370500.00	3770315.00	345.86603 (13112918)	370510.00	3770315.00	362.65352 (161
370520.00	3770315.00	384.55849 (16112818)	370530.00	3770315.00	399.00331 (161
370540.00	3770315.00	406.95131 (16112818)	370550.00	3770315.00	408.66144 (161
370560.00	3770315.00	400.75111 (16112818)	370570.00	3770315.00	385.55467 (161
370500.00	3770325.00	399.03134 (13112918)	370510.00	3770325.00	407.52178 (161
370520.00	3770325.00	433.76303 (16112818)	370530.00	3770325.00	450.88177 (161
370540.00	3770325.00	456.26733 (16112818)	370550.00	3770325.00	457.05327 (161
370560.00	3770325.00	447.54471 (16112818)	370570.00	3770325.00	428.57431 (161
370500.00	3770335.00	470.61219 (13112918)	370510.00	3770335.00	485.36049 (131
370520.00	3770335.00	492.46883 (16112818)	370530.00	3770335.00	511.24940 (161

370540.00	3770335.00	513.91950	(16112818)	370550.00	3770335.00	512.37940	(161
370560.00	3770335.00	501.45107	(16112818)	370570.00	3770335.00	479.66746	(161
370500.00	3770345.00	570.56566	(13112918)	370510.00	3770345.00	601.61782	(131
370520.00	3770345.00	603.07287	(13112918)	370530.00	3770345.00	579.81175	(131
370540.00	3770345.00	572.44550	(16112818)	370550.00	3770345.00	568.41164	(161
370560.00	3770345.00	555.90744	(16112818)	370570.00	3770345.00	533.72366	(161
370630.00	3770260.00	195.25494	(14121718)	370610.00	3770270.00	220.26275	(141
370620.00	3770270.00	215.07553	(14121718)	370630.00	3770270.00	208.18579	(141
370610.00	3770280.00	238.13007	(14121718)	370620.00	3770280.00	230.52705	(141
370630.00	3770280.00	221.36719	(14121718)	370610.00	3770290.00	257.70649	(141

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9  
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\*\*\* MODELOPTS: CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: A  
 INCLUDING SOURCE(S): AREA ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF CONSTR IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC (YMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (
370620.00	3770290.00	247.30589 (14121718)	370630.00	3770290.00	235.05415 (141
370610.00	3770300.00	278.85069 (14121718)	370620.00	3770300.00	264.69370 (141
370630.00	3770300.00	248.63841 (14121718)	370610.00	3770310.00	301.06923 (141
370620.00	3770310.00	282.10814 (14121718)	370630.00	3770310.00	261.92970 (141
370610.00	3770320.00	324.40842 (14121718)	370620.00	3770320.00	299.34726 (141
370630.00	3770320.00	274.12395 (14121718)	370610.00	3770330.00	349.17952 (141
370620.00	3770330.00	316.21926 (14121718)	370630.00	3770330.00	289.58885 (151
370610.00	3770340.00	373.28675 (14121718)	370620.00	3770340.00	339.08595 (151
370630.00	3770340.00	314.02933 (15122818)	370610.00	3770350.00	404.57873 (151
370620.00	3770350.00	368.21300 (15122818)	370630.00	3770350.00	335.38222 (151
370610.00	3770360.00	438.96263 (15122818)	370620.00	3770360.00	392.04882 (151
370630.00	3770360.00	351.62699 (15122818)	370610.00	3770370.00	464.69946 (121
370620.00	3770370.00	414.96852 (12122518)	370630.00	3770370.00	372.63914 (121
370610.00	3770380.00	486.39542 (12122518)	370620.00	3770380.00	433.28714 (121
370630.00	3770380.00	387.03422 (12122518)	370610.00	3770390.00	493.21854 (121
370620.00	3770390.00	439.34808 (12122518)	370630.00	3770390.00	391.31107 (121
370620.00	3770400.00	438.67232 (14112818)	370630.00	3770400.00	390.96684 (141
370401.00	3770260.00	155.71175 (13112918)	370411.00	3770260.00	163.14794 (131
370421.00	3770260.00	170.10743 (13112918)	370431.00	3770260.00	176.42480 (131
370441.00	3770260.00	182.00999 (13112918)	370451.00	3770260.00	186.75802 (131

370461.00	3770260.00	190.52088	(13112918)	370471.00	3770260.00	193.15848	(131
370401.00	3770270.00	166.44020	(12012318)	370411.00	3770270.00	174.22861	(131
370421.00	3770270.00	182.36098	(13112918)	370431.00	3770270.00	189.73536	(131
370441.00	3770270.00	196.38240	(13112918)	370451.00	3770270.00	202.09612	(131
370461.00	3770270.00	206.71492	(13112918)	370471.00	3770270.00	209.85918	(131
370401.00	3770280.00	184.42947	(12012318)	370411.00	3770280.00	186.34470	(131
370421.00	3770280.00	195.83207	(13112918)	370431.00	3770280.00	204.59628	(131
370441.00	3770280.00	212.60644	(13112918)	370451.00	3770280.00	219.56307	(131
370461.00	3770280.00	225.31236	(13112918)	370471.00	3770280.00	229.39316	(131
370401.00	3770290.00	204.38604	(12012318)	370411.00	3770290.00	199.91295	(131
370421.00	3770290.00	211.05657	(13112918)	370431.00	3770290.00	221.51862	(131
370441.00	3770290.00	231.12433	(13112918)	370451.00	3770290.00	239.68275	(131
370461.00	3770290.00	246.81001	(13112918)	370471.00	3770290.00	252.37980	(131
370401.00	3770300.00	226.40573	(12012318)	370411.00	3770300.00	222.58384	(120
370421.00	3770300.00	228.47409	(13112918)	370431.00	3770300.00	240.86437	(131
370441.00	3770300.00	252.37035	(13112918)	370451.00	3770300.00	262.78757	(131
370461.00	3770300.00	271.66705	(13112918)	370471.00	3770300.00	278.93231	(131
370401.00	3770310.00	251.57657	(12012318)	370411.00	3770310.00	248.65259	(120
370421.00	3770310.00	248.67768	(13112918)	370431.00	3770310.00	263.41916	(131
370441.00	3770310.00	277.04295	(13112918)	370451.00	3770310.00	289.68114	(131

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9600  
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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: A  
 INCLUDING SOURCE(S): AREA ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF CONSTR IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(
370461.00	3770310.00	300.87788	(13112918)	370471.00	3770310.00	310.16862	(131
370401.00	3770320.00	280.23894	(12012318)	370411.00	3770320.00	277.11293	(120
370421.00	3770320.00	273.09363	(12012318)	370431.00	3770320.00	289.33257	(131
370441.00	3770320.00	305.77864	(13112918)	370451.00	3770320.00	321.15023	(131
370461.00	3770320.00	335.00434	(13112918)	370471.00	3770320.00	347.35039	(131
370401.00	3770330.00	312.46765	(12012318)	370411.00	3770330.00	310.41303	(120
370421.00	3770330.00	306.87126	(12012318)	370431.00	3770330.00	320.19304	(131
370441.00	3770330.00	339.51499	(13112918)	370451.00	3770330.00	357.82975	(131
370461.00	3770330.00	375.29395	(13112918)	370471.00	3770330.00	391.68441	(131
370401.00	3770340.00	351.90064	(12012318)	370411.00	3770340.00	349.16271	(120



370421.00	3770340.00	345.98113	(12012318)	370431.00	3770340.00	358.01889	(131
370441.00	3770340.00	379.58064	(13112918)	370451.00	3770340.00	400.34078	(131
370461.00	3770340.00	421.40619	(13112918)	370471.00	3770340.00	442.35043	(131
370401.00	3770350.00	397.54342	(12012318)	370411.00	3770350.00	395.33063	(120
370421.00	3770350.00	391.64541	(12012318)	370431.00	3770350.00	408.07504	(131
370441.00	3770350.00	430.17274	(13112918)	370451.00	3770350.00	449.59981	(131
370461.00	3770350.00	469.02817	(13112918)	370471.00	3770350.00	492.59588	(131
370401.00	3770360.00	453.64297	(12012318)	370411.00	3770360.00	451.74641	(120
370421.00	3770360.00	452.80133	(13112918)	370431.00	3770360.00	480.63977	(131
370441.00	3770360.00	499.94382	(13112918)	370451.00	3770360.00	515.12361	(131
370461.00	3770360.00	528.87338	(13112918)	370471.00	3770360.00	543.30494	(131
370340.00	3770260.00	160.49464	(12012318)	370350.00	3770260.00	161.65803	(120
370360.00	3770260.00	161.59656	(12012318)	370370.00	3770260.00	160.37521	(120
370340.00	3770270.00	172.32990	(12012318)	370350.00	3770270.00	174.54298	(120
370360.00	3770270.00	175.64682	(12012318)	370370.00	3770270.00	175.39600	(120
370340.00	3770280.00	184.52445	(12012318)	370350.00	3770280.00	188.13288	(120
370360.00	3770280.00	190.42366	(12012318)	370370.00	3770280.00	191.24514	(120
370340.00	3770290.00	197.14327	(12012318)	370350.00	3770290.00	202.42634	(120
370360.00	3770290.00	206.37474	(12012318)	370370.00	3770290.00	208.56196	(120
370340.00	3770300.00	210.10336	(12012318)	370350.00	3770300.00	217.42195	(120
370360.00	3770300.00	223.23571	(12012318)	370370.00	3770300.00	227.40087	(120
370340.00	3770310.00	223.25475	(12012318)	370350.00	3770310.00	232.97287	(120
370360.00	3770310.00	241.30251	(12012318)	370370.00	3770310.00	247.81232	(120
370340.00	3770320.00	236.54593	(12012318)	370350.00	3770320.00	249.20212	(120
370360.00	3770320.00	260.59474	(12012318)	370370.00	3770320.00	270.19640	(120
370340.00	3770330.00	249.34108	(12012318)	370350.00	3770330.00	265.60144	(120
370360.00	3770330.00	280.96535	(12012318)	370370.00	3770330.00	294.61969	(120
370340.00	3770340.00	261.37397	(12012318)	370350.00	3770340.00	281.79104	(120
370360.00	3770340.00	302.09388	(12012318)	370370.00	3770340.00	321.56649	(120
370340.00	3770350.00	278.88832	(14120317)	370350.00	3770350.00	296.98807	(120

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9  
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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: A  
 INCLUDING SOURCE(S): AREA ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF CONSTR IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (

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370360.00	3770350.00	323.48819 (12012318)	370370.00	3770350.00	350.14997 (120
370340.00	3770360.00	305.11286 (14120317)	370350.00	3770360.00	326.65071 (141
370360.00	3770360.00	349.79435 (14120317)	370370.00	3770360.00	380.95778 (120
370340.00	3770370.00	329.69804 (14120317)	370350.00	3770370.00	358.36038 (141
370360.00	3770370.00	390.73536 (14120317)	370370.00	3770370.00	426.06190 (141

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9  
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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: F  
 INCLUDING SOURCE(S): L0000001 ,L0000002 ,L0000003 ,L0000004 ,L0000005  
 L0000006 ,L0000007 ,L0000008 ,L0000009 ,L0000010 ,L0000011 ,L0000012 ,L0000  
 L0000014 ,L0000015 ,L0000016 ,L0000017 ,L0000018 ,L0000019 ,L0000020 ,L0000  
 L0000022 ,L0000023 ,L0000024 ,L0000025 ,L0000026 ,L0000027 ,L0000028 , ...

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF CONSTR IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC (YMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (
370500.00	3770265.00	20.50609 (15030618)	370510.00	3770265.00	20.02324 (1503
370520.00	3770265.00	19.77119 (15040718)	370530.00	3770265.00	20.12611 (1504
370540.00	3770265.00	20.52818 (15040718)	370550.00	3770265.00	20.94932 (1504
370560.00	3770265.00	21.34852 (15040718)	370570.00	3770265.00	21.69046 (1504
370500.00	3770275.00	21.72539 (15030618)	370510.00	3770275.00	21.20213 (1503
370520.00	3770275.00	21.10049 (15040718)	370530.00	3770275.00	21.54090 (1504
370540.00	3770275.00	22.02623 (15040718)	370550.00	3770275.00	22.52061 (1504
370560.00	3770275.00	22.96799 (15040718)	370570.00	3770275.00	23.32684 (1504
370500.00	3770285.00	23.09035 (15030618)	370510.00	3770285.00	22.51538 (1503
370520.00	3770285.00	22.60821 (15040718)	370530.00	3770285.00	23.16362 (1504
370540.00	3770285.00	23.74823 (15040718)	370550.00	3770285.00	24.32681 (1504
370560.00	3770285.00	24.82375 (15040718)	370570.00	3770285.00	25.18618 (1504
370500.00	3770295.00	24.62355 (15030618)	370510.00	3770295.00	23.98331 (1503
370520.00	3770295.00	24.34536 (15040718)	370530.00	3770295.00	25.04475 (1504
370540.00	3770295.00	25.74988 (15040718)	370550.00	3770295.00	26.41796 (1504
370560.00	3770295.00	26.94514 (15040718)	370570.00	3770295.00	27.28092 (1504
370500.00	3770305.00	26.37383 (15030618)	370510.00	3770305.00	25.65494 (1503
370520.00	3770305.00	26.37220 (15040718)	370530.00	3770305.00	27.24962 (1504
370540.00	3770305.00	28.10656 (15040718)	370550.00	3770305.00	28.85883 (1504
370560.00	3770305.00	29.39212 (15040718)	370570.00	3770305.00	29.66339 (1504
370500.00	3770315.00	28.45703 (16122016)	370510.00	3770315.00	27.74484 (1504
370520.00	3770315.00	28.78289 (15040718)	370530.00	3770315.00	29.89107 (1504

370540.00	3770315.00	30.91063 (15040718)	370550.00	3770315.00	31.71389 (1504
370560.00	3770315.00	32.19066 (15040718)	370570.00	3770315.00	32.33235 (1504
370500.00	3770325.00	31.53446 (16122016)	370510.00	3770325.00	30.34180 (1504
370520.00	3770325.00	31.72709 (15040718)	370530.00	3770325.00	33.12553 (1504
370540.00	3770325.00	34.28256 (15040718)	370550.00	3770325.00	35.09642 (1504
370560.00	3770325.00	35.44835 (15040718)	370570.00	3770325.00	35.35638 (1504
370500.00	3770335.00	35.25945 (16122016)	370510.00	3770335.00	33.53344 (1504
370520.00	3770335.00	35.38405 (15040718)	370530.00	3770335.00	37.10422 (1504
370540.00	3770335.00	38.36619 (15040718)	370550.00	3770335.00	39.09173 (1504
370560.00	3770335.00	39.18855 (15040718)	370570.00	3770335.00	38.72109 (1504
370500.00	3770345.00	39.83477 (16122016)	370510.00	3770345.00	37.56059 (1504
370520.00	3770345.00	40.01848 (15040718)	370530.00	3770345.00	42.06124 (1504
370540.00	3770345.00	43.34568 (15040718)	370550.00	3770345.00	43.81451 (1504
370560.00	3770345.00	43.44616 (15040718)	370570.00	3770345.00	42.40882 (1504
370630.00	3770260.00	20.92796 (15040718)	370610.00	3770270.00	22.71842 (1504
370620.00	3770270.00	22.44459 (15040718)	370630.00	3770270.00	22.04949 (1504
370610.00	3770280.00	24.15274 (15040718)	370620.00	3770280.00	23.74296 (1504
370630.00	3770280.00	23.20271 (15040718)	370610.00	3770290.00	25.67418 (1504

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9  
 \*\*\* AERMET - VERSION 16216 \*\*\* 13:17:40

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: F  
 INCLUDING SOURCE(S): L0000001 ,L0000002 ,L0000003 ,L0000004 ,L0000005  
 L0000006 ,L0000007 ,L0000008 ,L0000009 ,L0000010 ,L0000011 ,L0000012 ,L0000  
 L0000014 ,L0000015 ,L0000016 ,L0000017 ,L0000018 ,L0000019 ,L0000020 ,L0000  
 L0000022 ,L0000023 ,L0000024 ,L0000025 ,L0000026 ,L0000027 ,L0000028 , ...

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF CONSTR IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC (YMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (
370620.00	3770290.00	25.09337 (15040718)	370630.00	3770290.00	24.37345 (1504
370610.00	3770300.00	27.26745 (15040718)	370620.00	3770300.00	26.47230 (1504
370630.00	3770300.00	25.53623 (15040718)	370610.00	3770310.00	28.90663 (1504
370620.00	3770310.00	27.84927 (15040718)	370630.00	3770310.00	26.66084 (1504
370610.00	3770320.00	30.55690 (15040718)	370620.00	3770320.00	29.18587 (1504
370630.00	3770320.00	27.70565 (15040718)	370610.00	3770330.00	32.17441 (1504
370620.00	3770330.00	30.43502 (15040718)	370630.00	3770330.00	28.62329 (1504
370610.00	3770340.00	33.68523 (15040718)	370620.00	3770340.00	31.52502 (1504
370630.00	3770340.00	29.35151 (15040718)	370610.00	3770350.00	34.97964 (1504

370620.00	3770350.00	32.36991 (15040718)	370630.00	3770350.00	29.82096 (1504
370610.00	3770360.00	35.96851 (15040718)	370620.00	3770360.00	32.88674 (1504
370630.00	3770360.00	29.96101 (15040718)	370610.00	3770370.00	36.53914 (1504
370620.00	3770370.00	32.98713 (15040718)	370630.00	3770370.00	30.58769 (1612
370610.00	3770380.00	36.53301 (15040718)	370620.00	3770380.00	34.11762 (1612
370630.00	3770380.00	31.91966 (16122716)	370610.00	3770390.00	38.23592 (1612
370620.00	3770390.00	35.38301 (16122716)	370630.00	3770390.00	32.66454 (1612
370620.00	3770400.00	35.85878 (16122716)	370630.00	3770400.00	32.68317 (1612
370401.00	3770260.00	23.12963 (15030618)	370411.00	3770260.00	22.91708 (1503
370421.00	3770260.00	22.68420 (15030618)	370431.00	3770260.00	22.42264 (1503
370441.00	3770260.00	22.13858 (15030618)	370451.00	3770260.00	21.83066 (1503
370461.00	3770260.00	21.49495 (15030618)	370471.00	3770260.00	21.12855 (1503
370401.00	3770270.00	24.51078 (15030618)	370411.00	3770270.00	24.29150 (1503
370421.00	3770270.00	24.04985 (15030618)	370431.00	3770270.00	23.77383 (1503
370441.00	3770270.00	23.47658 (15030618)	370451.00	3770270.00	23.14914 (1503
370461.00	3770270.00	22.79218 (15030618)	370471.00	3770270.00	22.37851 (1503
370401.00	3770280.00	26.00764 (15030618)	370411.00	3770280.00	25.77882 (1503
370421.00	3770280.00	25.53048 (15030618)	370431.00	3770280.00	25.25085 (1503
370441.00	3770280.00	24.94905 (15030618)	370451.00	3770280.00	24.61232 (1503
370461.00	3770280.00	24.23538 (15030618)	370471.00	3770280.00	23.79762 (1503
370401.00	3770290.00	27.65983 (15030618)	370411.00	3770290.00	27.43174 (1503
370421.00	3770290.00	27.18343 (15030618)	370431.00	3770290.00	26.90484 (1503
370441.00	3770290.00	26.59584 (15030618)	370451.00	3770290.00	26.25112 (1503
370461.00	3770290.00	25.85403 (15030618)	370471.00	3770290.00	25.40823 (1503
370401.00	3770300.00	29.48777 (15030618)	370411.00	3770300.00	29.28748 (1503
370421.00	3770300.00	29.03852 (15030618)	370431.00	3770300.00	28.75760 (1503
370441.00	3770300.00	28.44131 (15030618)	370451.00	3770300.00	28.08646 (1503
370461.00	3770300.00	27.67108 (15030618)	370471.00	3770300.00	27.20080 (1503
370401.00	3770310.00	31.53812 (15030618)	370411.00	3770310.00	31.36652 (1503
370421.00	3770310.00	31.14317 (15030618)	370431.00	3770310.00	30.86625 (1503
370441.00	3770310.00	30.53711 (15030618)	370451.00	3770310.00	30.17407 (1503

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*

\*\*\* 13:17:40

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: F  
INCLUDING SOURCE(S): L0000001 ,L0000002 ,L0000003 ,L0000004 ,L0000005  
L0000006 ,L0000007 ,L0000008 ,L0000009 ,L0000010 ,L0000011 ,L0000012 ,L0000  
L0000014 ,L0000015 ,L0000016 ,L0000017 ,L0000018 ,L0000019 ,L0000020 ,L0000  
L0000022 ,L0000023 ,L0000024 ,L0000025 ,L0000026 ,L0000027 ,L0000028 , ...

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF CONSTR IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (
370461.00	3770310.00	29.74932	(15030618)	370471.00	3770310.00	29.24265 (1503
370401.00	3770320.00	33.83776	(15030618)	370411.00	3770320.00	33.67132 (1503
370421.00	3770320.00	33.47640	(15030618)	370431.00	3770320.00	33.23144 (1503
370441.00	3770320.00	32.92580	(15030618)	370451.00	3770320.00	32.57057 (1503
370461.00	3770320.00	32.13547	(15030618)	370471.00	3770320.00	31.61275 (1503
370401.00	3770330.00	36.40544	(15030618)	370411.00	3770330.00	36.29349 (1503
370421.00	3770330.00	36.14379	(15030618)	370431.00	3770330.00	35.93922 (1503
370441.00	3770330.00	35.67052	(15030618)	370451.00	3770330.00	35.34335 (1503
370461.00	3770330.00	34.93408	(15030618)	370471.00	3770330.00	34.40266 (1503
370401.00	3770340.00	39.34796	(15030618)	370411.00	3770340.00	39.27014 (1503
370421.00	3770340.00	39.18783	(15030618)	370431.00	3770340.00	39.04980 (1503
370441.00	3770340.00	38.84687	(15030618)	370451.00	3770340.00	38.59454 (1503
370461.00	3770340.00	38.25425	(15030618)	370471.00	3770340.00	37.72053 (1503
370401.00	3770350.00	42.66193	(15030618)	370411.00	3770350.00	42.67212 (1503
370421.00	3770350.00	42.67593	(15030618)	370431.00	3770350.00	42.65289 (1503
370441.00	3770350.00	42.58238	(15030618)	370451.00	3770350.00	42.44618 (1503
370461.00	3770350.00	42.19524	(15030618)	370471.00	3770350.00	41.76383 (1503
370401.00	3770360.00	46.46724	(15030618)	370411.00	3770360.00	46.58290 (1503
370421.00	3770360.00	46.71428	(15030618)	370431.00	3770360.00	46.84678 (1503
370441.00	3770360.00	46.97182	(15030618)	370451.00	3770360.00	47.06927 (1503
370461.00	3770360.00	47.05323	(15030618)	370471.00	3770360.00	46.77412 (1503
370340.00	3770260.00	24.05621	(15030618)	370350.00	3770260.00	23.95077 (1503
370360.00	3770260.00	23.81997	(15030618)	370370.00	3770260.00	23.67401 (1503
370340.00	3770270.00	25.43160	(15030618)	370350.00	3770270.00	25.32249 (1503
370360.00	3770270.00	25.19930	(15030618)	370370.00	3770270.00	25.05674 (1503
370340.00	3770280.00	26.92159	(15030618)	370350.00	3770280.00	26.81726 (1503
370360.00	3770280.00	26.69149	(15030618)	370370.00	3770280.00	26.54767 (1503
370340.00	3770290.00	28.55328	(15030618)	370350.00	3770290.00	28.45251 (1503
370360.00	3770290.00	28.33507	(15030618)	370370.00	3770290.00	28.19115 (1503
370340.00	3770300.00	30.34760	(15030618)	370350.00	3770300.00	30.25308 (1503
370360.00	3770300.00	30.13438	(15030618)	370370.00	3770300.00	30.00444 (1503
370340.00	3770310.00	32.32658	(15030618)	370350.00	3770310.00	32.23918 (1503
370360.00	3770310.00	32.12985	(15030618)	370370.00	3770310.00	32.00855 (1503
370340.00	3770320.00	34.53129	(15030618)	370350.00	3770320.00	34.45207 (1503
370360.00	3770320.00	34.35184	(15030618)	370370.00	3770320.00	34.24193 (1503
370340.00	3770330.00	36.97857	(15030618)	370350.00	3770330.00	36.91417 (1503
370360.00	3770330.00	36.83007	(15030618)	370370.00	3770330.00	36.73862 (1503
370340.00	3770340.00	39.72493	(15030618)	370350.00	3770340.00	39.67425 (1503
370360.00	3770340.00	39.61033	(15030618)	370370.00	3770340.00	39.55131 (1503
370340.00	3770350.00	42.82054	(15030618)	370350.00	3770350.00	42.78221 (1503

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: F  
 INCLUDING SOURCE(S): L0000001 ,L0000002 ,L0000003 ,L0000004 ,L0000005  
 L0000006 ,L0000007 ,L0000008 ,L0000009 ,L0000010 ,L0000011 ,L0000012 ,L0000  
 L0000014 ,L0000015 ,L0000016 ,L0000017 ,L0000018 ,L0000019 ,L0000020 ,L0000  
 L0000022 ,L0000023 ,L0000024 ,L0000025 ,L0000026 ,L0000027 ,L0000028 , ...

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF CONSTR IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC (YMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (
370360.00	3770350.00	42.74562 (15030618)	370370.00	3770350.00	42.71227 (1503
370340.00	3770360.00	46.34013 (15030618)	370350.00	3770360.00	46.31967 (1503
370360.00	3770360.00	46.33413 (15030618)	370370.00	3770360.00	46.32922 (1503
370340.00	3770370.00	50.37401 (15030618)	370350.00	3770370.00	50.37323 (1503
370360.00	3770370.00	50.39396 (15030618)	370370.00	3770370.00	50.42488 (1503

\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: A  
 INCLUDING SOURCE(S): AREA ,L0000001 ,L0000002 ,L0000003 ,L0000004 ,  
 L0000005 ,L0000006 ,L0000007 ,L0000008 ,L0000009 ,L0000010 ,L0000011 ,L0000  
 L0000013 ,L0000014 ,L0000015 ,L0000016 ,L0000017 ,L0000018 ,L0000019 ,L0000  
 L0000021 ,L0000022 ,L0000023 ,L0000024 ,L0000025 ,L0000026 ,L0000027 , ...

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF CONSTR IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC (YMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (
370500.00	3770265.00	232.70786 (16112818)	370510.00	3770265.00	245.58057 (161
370520.00	3770265.00	256.34585 (16112818)	370530.00	3770265.00	264.94866 (161
370540.00	3770265.00	270.10443 (16112818)	370550.00	3770265.00	272.46204 (161
370560.00	3770265.00	271.26413 (16112818)	370570.00	3770265.00	266.48592 (161
370500.00	3770275.00	252.12585 (16112818)	370510.00	3770275.00	266.92724 (161

370520.00	3770275.00	279.04872	(16112818)	370530.00	3770275.00	288.33347	(161
370540.00	3770275.00	293.28893	(16112818)	370550.00	3770275.00	295.50663	(161
370560.00	3770275.00	293.40762	(16112818)	370570.00	3770275.00	287.14550	(161
370500.00	3770285.00	274.19691	(16112818)	370510.00	3770285.00	291.17631	(161
370520.00	3770285.00	304.67452	(16112818)	370530.00	3770285.00	315.95787	(161
370540.00	3770285.00	319.86969	(16112818)	370550.00	3770285.00	322.28223	(161
370560.00	3770285.00	319.96831	(16112818)	370570.00	3770285.00	312.13381	(161
370500.00	3770295.00	299.12358	(16112818)	370510.00	3770295.00	318.60429	(161
370520.00	3770295.00	334.77811	(16112818)	370530.00	3770295.00	346.74200	(161
370540.00	3770295.00	350.57151	(16112818)	370550.00	3770295.00	353.13902	(161
370560.00	3770295.00	349.06538	(16112818)	370570.00	3770295.00	338.56501	(161
370500.00	3770305.00	329.23853	(13112918)	370510.00	3770305.00	350.82137	(161
370520.00	3770305.00	368.65699	(16112818)	370530.00	3770305.00	380.64886	(161
370540.00	3770305.00	386.71762	(16112818)	370550.00	3770305.00	389.21801	(161
370560.00	3770305.00	383.55974	(16112818)	370570.00	3770305.00	370.65804	(161
370500.00	3770315.00	371.78073	(13112918)	370510.00	3770315.00	387.79974	(161
370520.00	3770315.00	408.86961	(16112818)	370530.00	3770315.00	422.40627	(161
370540.00	3770315.00	429.41907	(16112818)	370550.00	3770315.00	430.19679	(161
370560.00	3770315.00	421.34048	(16112818)	370570.00	3770315.00	405.23622	(161
370500.00	3770325.00	427.12838	(13112918)	370510.00	3770325.00	434.71370	(161
370520.00	3770325.00	459.97720	(16112818)	370530.00	3770325.00	476.04599	(161
370540.00	3770325.00	480.30995	(16112818)	370550.00	3770325.00	480.00692	(161
370560.00	3770325.00	469.40606	(16112818)	370570.00	3770325.00	449.38767	(161
370500.00	3770335.00	501.30207	(13112918)	370510.00	3770335.00	515.01568	(131
370520.00	3770335.00	520.89594	(16112818)	370530.00	3770335.00	538.42140	(161
370540.00	3770335.00	539.75771	(16112818)	370550.00	3770335.00	536.92996	(161
370560.00	3770335.00	524.72716	(16112818)	370570.00	3770335.00	501.72328	(161
370500.00	3770345.00	604.39966	(13112918)	370510.00	3770345.00	634.20438	(131
370520.00	3770345.00	634.23043	(13112918)	370530.00	3770345.00	609.42845	(131
370540.00	3770345.00	600.35801	(16112818)	370550.00	3770345.00	594.78596	(161
370560.00	3770345.00	580.76710	(16112818)	370570.00	3770345.00	557.15047	(161
370630.00	3770260.00	207.01914	(14121718)	370610.00	3770270.00	233.37504	(141
370620.00	3770270.00	227.71780	(14121718)	370630.00	3770270.00	220.37330	(141
370610.00	3770280.00	251.76380	(14121718)	370620.00	3770280.00	243.64558	(141
370630.00	3770280.00	233.99276	(14121718)	370610.00	3770290.00	271.89714	(141

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9600  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* \*\*\* 13:17:40

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: A  
 INCLUDING SOURCE(S): AREA ,L0000001 ,L0000002 ,L0000003 ,L0000004 ,  
 L0000005 ,L0000006 ,L0000007 ,L0000008 ,L0000009 ,L0000010 ,L0000011 ,L0000  
 L0000013 ,L0000014 ,L0000015 ,L0000016 ,L0000017 ,L0000018 ,L0000019 ,L0000





370461.00	3770300.00	296.89087	(13112918)	370471.00	3770300.00	303.72949	(131
370401.00	3770310.00	278.93410	(12012318)	370411.00	3770310.00	275.87116	(120
370421.00	3770310.00	277.04730	(13112918)	370431.00	3770310.00	291.54736	(131
370441.00	3770310.00	304.88594	(13112918)	370451.00	3770310.00	317.19812	(131

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\* 13:17:40

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: A  
 INCLUDING SOURCE(S): AREA ,L0000001 ,L0000002 ,L0000003 ,L0000004 ,  
 L0000005 ,L0000006 ,L0000007 ,L0000008 ,L0000009 ,L0000010 ,L0000011 ,L0000  
 L0000013 ,L0000014 ,L0000015 ,L0000016 ,L0000017 ,L0000018 ,L0000019 ,L0000  
 L0000021 ,L0000022 ,L0000023 ,L0000024 ,L0000025 ,L0000026 ,L0000027 ,...

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF CONSTR IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(
370461.00	3770310.00	328.01136	(13112918)	370471.00	3770310.00	336.84808	(131
370401.00	3770320.00	309.58777	(12012318)	370411.00	3770320.00	306.31804	(120
370421.00	3770320.00	302.19948	(13112918)	370431.00	3770320.00	319.63334	(131
370441.00	3770320.00	335.81522	(13112918)	370451.00	3770320.00	350.87129	(131
370461.00	3770320.00	364.33818	(13112918)	370471.00	3770320.00	376.21483	(131
370401.00	3770330.00	344.02872	(12012318)	370411.00	3770330.00	341.88527	(120
370421.00	3770330.00	338.21471	(12012318)	370431.00	3770330.00	352.98106	(131
370441.00	3770330.00	372.07658	(13112918)	370451.00	3770330.00	390.10616	(131
370461.00	3770330.00	407.20493	(13112918)	370471.00	3770330.00	423.12084	(131
370401.00	3770340.00	386.01327	(12012318)	370411.00	3770340.00	383.20571	(120
370421.00	3770340.00	379.95438	(12012318)	370431.00	3770340.00	393.67038	(131
370441.00	3770340.00	415.07282	(13112918)	370451.00	3770340.00	435.61669	(131
370461.00	3770340.00	456.37486	(13112918)	370471.00	3770340.00	476.85622	(131
370401.00	3770350.00	434.51244	(12012318)	370411.00	3770350.00	432.31038	(120
370421.00	3770350.00	428.62453	(12012318)	370431.00	3770350.00	447.04937	(131
370441.00	3770350.00	469.10972	(13112918)	370451.00	3770350.00	488.43800	(131
370461.00	3770350.00	507.65822	(13112918)	370471.00	3770350.00	530.84719	(131
370401.00	3770360.00	493.89653	(12012318)	370411.00	3770360.00	492.10092	(120
370421.00	3770360.00	495.50416	(13112918)	370431.00	3770360.00	523.49411	(131
370441.00	3770360.00	542.95029	(13112918)	370451.00	3770360.00	558.25048	(131
370461.00	3770360.00	572.01209	(13112918)	370471.00	3770360.00	586.22593	(131
370340.00	3770260.00	181.36975	(12012318)	370350.00	3770260.00	182.44573	(120
370360.00	3770260.00	182.26904	(12012318)	370370.00	3770260.00	180.91876	(120

370340.00	3770270.00	194.40249	(12012318)	370350.00	3770270.00	196.52323	(120
370360.00	3770270.00	197.52213	(12012318)	370370.00	3770270.00	197.14716	(120
370340.00	3770280.00	207.88771	(12012318)	370350.00	3770280.00	211.40960	(120
370360.00	3770280.00	213.59138	(12012318)	370370.00	3770280.00	214.28644	(120
370340.00	3770290.00	221.91851	(12012318)	370350.00	3770290.00	227.11849	(120
370360.00	3770290.00	230.96759	(12012318)	370370.00	3770290.00	233.02667	(120
370340.00	3770300.00	236.43023	(12012318)	370350.00	3770300.00	243.67196	(120
370360.00	3770300.00	249.38226	(12012318)	370370.00	3770300.00	253.43512	(120
370340.00	3770310.00	251.29082	(12012318)	370350.00	3770310.00	260.93850	(120
370360.00	3770310.00	269.17352	(12012318)	370370.00	3770310.00	275.57818	(120
370340.00	3770320.00	266.48970	(12012318)	370350.00	3770320.00	279.08222	(120
370360.00	3770320.00	290.38725	(12012318)	370370.00	3770320.00	299.89277	(120
370340.00	3770330.00	281.39643	(12012318)	370350.00	3770330.00	297.60754	(120
370360.00	3770330.00	312.89872	(12012318)	370370.00	3770330.00	326.47324	(120
370340.00	3770340.00	295.79900	(12012318)	370350.00	3770340.00	316.17849	(120
370360.00	3770340.00	336.42713	(12012318)	370370.00	3770340.00	355.85251	(120
370340.00	3770350.00	319.41210	(14120317)	370350.00	3770350.00	334.57775	(141

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9  
 \*\*\* AERMET - VERSION 16216 \*\*\* 13:17:40

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: A  
 INCLUDING SOURCE(S): AREA ,L0000001 ,L0000002 ,L0000003 ,L0000004 ,  
 L0000005 ,L0000006 ,L0000007 ,L0000008 ,L0000009 ,L0000010 ,L0000011 ,L0000  
 L0000013 ,L0000014 ,L0000015 ,L0000016 ,L0000017 ,L0000018 ,L0000019 ,L0000  
 L0000021 ,L0000022 ,L0000023 ,L0000024 ,L0000025 ,L0000026 ,L0000027 , ...

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF CONSTR IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (
370360.00	3770350.00	360.52412 (12012318)	370370.00	3770350.00	387.15967 (120
370340.00	3770360.00	348.95685 (14120317)	370350.00	3770360.00	370.47660 (141
370360.00	3770360.00	393.64067 (14120317)	370370.00	3770360.00	421.09149 (120
370340.00	3770370.00	377.34482 (14120317)	370350.00	3770370.00	406.00715 (141
370360.00	3770370.00	438.40360 (14120317)	370370.00	3770370.00	473.75831 (141

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9  
 \*\*\* AERMET - VERSION 16216 \*\*\* 13:17:40

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*



GP = GRIDPOLR  
DC = DISCCART  
DP = DISCPOLR

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9  
\*\*\* AERMET - VERSION 16216 \*\*\* 13:17:40

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* THE SUMMARY OF HIGHEST 1-HR RESULTS \*\*\*

\*\* CONC OF CONSTR IN MICROGRAMS/M\*\*3 \*\*

GROUP ID	DATE	NETWORK
AVERAGE CONC	(YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) (C

AREA HIGH 1ST HIGH VALUE IS 603.07287 ON 13112918: AT ( 370520.00, 3770345.00, 73.28, 73

HAUL\_ROU HIGH 1ST HIGH VALUE IS 50.42488 ON 15030618: AT ( 370370.00, 3770370.00, 74.88,

ALL HIGH 1ST HIGH VALUE IS 634.23043 ON 13112918: AT ( 370520.00, 3770345.00, 73.28, 73.2

\*\*\* RECEPTOR TYPES: GC = GRIDCART  
GP = GRIDPOLR  
DC = DISCCART  
DP = DISCPOLR

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\LAKES\_AERMOD\9600 Wilshire Blvd\9600 Wilshire Blvd v2\9  
\*\*\* AERMET - VERSION 16216 \*\*\* 13:17:40

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\*\*\* MODELOPTs: CONC ELEV URBAN ADJ\_U\*

\*\*\* Message Summary : AERMOD Model Execution \*\*\*

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)  
A Total of 2 Warning Message(s)  
A Total of 799 Informational Message(s)  
  
A Total of 43848 Hours Were Processed  
  
A Total of 455 Calm Hours Identified

A Total of 344 Missing Hours Identified ( 0.78 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

ME W186 732 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used 0.50

ME W187 732 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

\*\*\*\*\*

\*\*\* AERMOD Finishes Successfully \*\*\*

\*\*\*\*\*

# 9600 Wilshire BLVD Specific Plan - Unmitigated

## Construction Modeling Assumptions

### AERMOD Sources

<i>PolyArea</i>		
<b>Offroad Construction Exhaust</b>		
Release Height	5	m
Emissions rate	1	g/s
Init Vert Dimension	1.4	m
SCAQMD LST Guidance, 2008		
<i>Line Volume</i>		
<b>Onroad Hauling Exhaust</b>		
Vehicle Height	14	ft
Plume Height	7.25	m
Plume Width	16	m
Release Height	3.63	m
Emissions rate	1	g/s
<a href="#">EPA Haul Road Guidance &amp; Caltrans Heigh &amp; Low Clearance Guidance[1]</a>		

[1] USEPA Haul Road Workgroup Final Report Dec 6, 2011, Page 4.

[https://www.epa.gov/sites/default/files/2020-10/documents/haul\\_road\\_workgroup-final\\_report\\_package-20120302.pdf](https://www.epa.gov/sites/default/files/2020-10/documents/haul_road_workgroup-final_report_package-20120302.pdf)

### Meteorology:

Santa Monica Airport

SCAQMD AERMOD Table 1, Meteorological Stations & Years of Meteorological Data Available

<https://www.aqmd.gov/home/air-quality/meteorological-data/aermod-table-1>

### AERMOD Sources

## 9600 Wilshire BLVD Specific Plan - Unmitigated

### Health Risk Assessment Risk Factors

Residential Risk	Abbreviation	UOM	3rd Trimester	0<2	2<16	16<30
Daily Breathing Rate (95th %'ile)	DBR	L/kg-day	361	1090	572	261
Fraction Of Time At Home <sup>a</sup>	FAH	unitless	1	1	1	0.73
Exposure Frequency	EF	days/year	0.96	0.96	0.96	0.96
Age Sensitivity Factor	ASF	unitless	10	10	3	1
Inhalation Absorption Factor	A	unitless	1	1	1	1
Conversion Factor	CF <sub>1</sub>	m <sup>3</sup> /L	0.001	0.001	0.001	0.001
Conversion Factor	CF <sub>2</sub>	µg/m <sup>3</sup>	0.001	0.001	0.001	0.001
Cancer Potency Factor (diesel exhaust)	CPF	mg/kg-day <sup>-1</sup>	1.1	1.1	1.1	1.1
Averaging Time (for residential exposure)	AT	years	70.00	70.00	70.00	70.00

<sup>a</sup> assume school or daycare will have cancer risk of >1 per million

**9600 Wilshire BLVD Specific Plan - Unmitigated**

Health Risk Assessment Exposure Duration Assumptions for Offroad Equipment Residential Receptors

OFFROAD

Start Date 8/1/2024 10/31/2024 11/1/2026  
End Date 10/30/2024 10/31/2026 10/28/2040

	8/1/2024	9/30/2028	Days	90	730	5110
Phase	Start Date	End Date	Duration (days)	3rd Tri	0<2	02<16
Utility Relocation -2024	8/1/2024	12/31/2024	153	91	62	0
Utility Relocation -2025	1/1/2025	9/30/2025	273	0	273	0
Demolition	10/1/2025	11/30/2025	61	0	61	0
Excavation - 2025	12/1/2025	12/31/2025	31	0	31	0
Excavation - 2025 Haul	12/1/2025	12/31/2025	31	0	31	0
Excavation - 2026	1/1/2026	12/31/2026	365	0	304	61
Excavation - 2026 Haul	1/1/2026	5/31/2026	151	0	151	0
Excavation - 2027	1/1/2027	3/31/2027	90	0	0	90
Building Construction - 2027	4/1/2027	12/31/2027	275	0	0	275
Building Construction - 2028	1/1/2028	7/31/2028	213	0	0	213
Paving	8/1/2028	9/30/2028	61	0	0	61

Intake Factor for Inhalation, IF (m <sup>3</sup> /kg-day)					
Phase	Year	Equation	3rd Trimester	0<2	2<16
Utility Relocation -2024	2024		0.012329142	0.025363108	0
Utility Relocation -2025	2025	$DBR \cdot FAH \cdot EF \cdot ED \cdot ASF \cdot A \cdot CF_1$	0	0.11167949	0
Demolition	2025	$AT$	0	0.024954025	0
Excavation - 2025	2025		0	0.012681554	0
Excavation - 2025 Haul	2025		0	0.012681554	0
Excavation - 2026	2026		0	0.124361043	0.003933032
Excavation - 2026 Haul	2026		0	0.061771439	0
Excavation - 2027	2027		0	0	0.005802834
Building Construction - 2027	2027		0	0	0.017730881
Building Construction - 2028	2028		0	0	0.013733373
Paving	2028		0	0	0.003933032

Risk Calculation Part 1, R1

Equation	3rd Trimester	0<2	2<16
	1.35621E-05	2.78994E-05	0
$IF \cdot CPF \cdot CF_2$	0	0.000122847	0
	0	2.74494E-05	0
	0	1.39497E-05	0
	0	1.39497E-05	0
	0	0.000136797	4.326E-06
	0	6.79486E-05	0
	0	0	6.383E-06
	0	0	1.95E-05
	0	0	1.511E-05
	0	0	4.326E-06



**9600 Wilshire BLVD Specific Plan - Unmitigated**

Offroad DPM Emissions, Ground Level Concentrations and Health Risk Calculations  
Residential Receptors

Phase	Year	Emissions (lbs/day)	Work Hours Per Day	Emissions (g/s)
Utility Relocation -2024	2024	0.116	10	0.001456356
Utility Relocation -2025	2025	0.189	10	0.002385382
Demolition	2025	0.243	10	0.003062730
Excavation - 2025	2025	0.107	10	0.001353439
Excavation - 2025 Haul	2025	0.000	10	0
Excavation - 2026	2026	1.125	10	0.014169249
Excavation - 2026 Haul	2026	0.000	10	0
Excavation - 2027	2027	0.250	10	0.003145221
Building Construction - 2027	2027	0.645	10	0.008132093
Building Construction - 2028	2028	0.485	10	0.006110048
Paving	2028	0.030	10	0.000377225

Max x utm y utm  
31.74432629 370610 3770390

AERMOD Column Identifier: 4 4 4 4 4 4 4 4 4 4

Unique Identifier	X (UTM)	Y (UTM)	Utility Relocation -2024		Utility Relocation -2025		Demolition		Excavation - 2025		Excavation - 2025 Haul		Excavation - 2026		Excavation - 2026 Haul		Excavation - 2027		Building Construction - 2027		Building Construction - 2028		Paving		Child Risk			
			2024	2025	2025	2025	2025	2025	2025	2026	2026	2027	2027	2028	2028	2028	3rd Trimester	0<2	2<16	Total	per million							
3705003770265	370500	3770265	0.001134094	0.001857545	0.002385016	0.00105395	0	0.011033877	0	0.002449247	0.006332624	0.004758017	0.000293752	1.53806E-08	1.84941E-06	2.6003E-07	2.12482E-06	2.1248186	370500	3770265								
3705103770265	370510	3770265	0.00110868	0.00181592	0.002331572	0.001030332	0	0.010786624	0	0.002394363	0.006190719	0.004651396	0.00028717	1.5036E-08	1.80797E-06	2.54203E-07	2.0772E-06	2.0772045	370510	3770265								
3705203770265	370520	3770265	0.001075723	0.001761939	0.002262262	0.000999974	0	0.010465974	0	0.002323186	0.006006689	0.004513126	0.000278633	1.4589E-08	1.75422E-06	2.46647E-07	2.01546E-06	2.0154562	370520	3770265								
3705303770265	370530	3770265	0.001038135	0.001700372	0.002183212	0.000964772	0	0.010100266	0	0.002242008	0.0057968	0.004355425	0.000268897	1.40792E-08	1.69292E-06	2.38028E-07	1.94503E-06	1.9450309	370530	3770265								
3705403770265	370540	3770265	0.0009929	0.001626282	0.002088084	0.000922734	0	0.009660169	0	0.002144318	0.005544217	0.004165647	0.00025718	1.34658E-08	1.61916E-06	2.27657E-07	1.86028E-06	1.8602805	370540	3770265								
3705503770265	370550	3770265	0.000945758	0.001549067	0.001989843	0.000878923	0	0.00920151	0	0.002042507	0.005280981	0.003967865	0.00024497	1.28264E-08	1.54228E-06	2.16848E-07	1.77196E-06	1.7719556	370550	3770265								
3705603770265	370560	3770265	0.000894742	0.001465507	0.001881655	0.000831512	0	0.008705161	0	0.00193233	0.004996114	0.00375383	0.000231755	1.21345E-08	1.45909E-06	2.0515E-07	1.67637E-06	1.6763725	370560	3770265								
3705703770265	370570	3770265	0.000841323	0.001378011	0.001769314	0.000781868	0	0.008185433	0	0.001816963	0.004697829	0.003529714	0.000217919	1.14101E-08	1.37198E-06	1.92940E-07	1.57629E-06	1.5762873	370570	3770265								
3705803770265	370580	3770265	0.001313255	0.002150995	0.002761795	0.00122045	0	0.012776978	0	0.002836172	0.007333034	0.005059675	0.00040158	1.78104E-08	2.14157E-06	3.01109E-07	2.46049E-06	2.4604915	370580	3770265								
3705903770265	370590	3770265	0.001285904	0.002106197	0.002704276	0.001195032	0	0.01251088	0	0.002777105	0.007180313	0.005394928	0.00033074	1.74395E-08	2.09697E-06	2.94838E-07	2.40925E-06	2.4092483	370590	3770265								
3706003770265	370600	3770265	0.001246525	0.002041696	0.00262146	0.001158435	0	0.012127744	0	0.002692058	0.006960421	0.005229712	0.00032874	1.69054E-08	2.03275E-06	2.85809E-07	2.33547E-06	2.3354669	370600	3770265								
3706103770265	370610	3770265	0.001198873	0.001963647	0.002521247	0.001114151	0	0.011664126	0	0.002589146	0.006694339	0.005029791	0.000310531	1.62592E-08	1.95504E-06	2.74883E-07	2.24619E-06	2.246187	370610	3770265								
3706203770265	370620	3770265	0.001139686	0.001866705	0.002396777	0.001059147	0	0.011088287	0	0.002461324	0.00633851	0.004781479	0.000295201	1.54565E-08	1.85853E-06	2.61312E-07	2.1353E-06	2.1352965	370620	3770265								
3706303770265	370630	3770265	0.00108082	0.001770288	0.002272981	0.001004441	0	0.010515566	0	0.002334195	0.006035152	0.004534511	0.000279953	1.46581E-08	1.76253E-06	2.47815E-07	2.02501E-06	2.0250063	370630	3770265								
3706403770265	370640	3770265	0.001016857	0.001665522	0.002138466	0.000944998	0	0.009893253	0	0.002196057	0.00567799	0.004266158	0.00026386	1.37907E-08	1.65823E-06	2.3315E-07	1.90517E-06	1.905166	370640	3770265								
3706503770265	370650	3770265	0.000950447	0.001556748	0.002052634	0.000832881	0	0.009247135	0	0.002052634	0.005307167	0.003987539	0.000246184	1.289E-08	1.54993E-06	2.17923E-07	1.78074E-06	1.7807417	370650	3770265								
3706603770265	370660	3770265	0.00153867	0.002520204	0.003235845	0.001429935	0	0.014970095	0	0.003322989	0.008591717	0.006455388	0.000398545	2.08675E-08	2.50916E-06	3.52793E-07	2.88282E-06	2.8828249	370660	3770265								
3706703770265	370670	3770265	0.001509251	0.002472019	0.003259456	0.001402596	0	0.014683876	0	0.003259456	0.008427451	0.006313965	0.000390925	2.04686E-08	2.46119E-06	3.46048E-07	2.82771E-06	2.8277071	370670	3770265								
3706803770265	370680	3770265	0.001460638	0.002392395	0.003071744	0.001357418	0	0.014210906	0	0.003154468	0.008156002	0.006128011	0.000378334	1.98093E-08	2.38192E-06	3.34902E-07	2.73663E-06	2.7366263	370680	3770265								
3706903770265	370690	3770265	0.001406301	0.002303397	0.003037127	0.001306921	0	0.013682252	0	0.003037127	0.007852598	0.005900046	0.000364259	1.90723E-08	2.29331E-06	3.22443E-07	2.63482E-06	2.6348211	370690	3770265								
3707003770265	370700	3770265	0.001323799	0.002168265	0.002783969	0.001230249	0	0.012879564	0	0.002858943	0.00739191	0.005539111	0.00034289	1.79534E-08	2.11877E-06	3.03527E-07	2.48025E-06	2.4802466	370700	3770265								
3707103770265	370710	3770265	0.001250996	0.002049019	0.002630862	0.00116259	0	0.012171243	0	0.00259456	0.007180313	0.005394928	0.00032074	1.69661E-08	2.04004E-06	2.86834E-07	2.34384E-06	2.3438437	370710	3770265								
3707203770265	370720	3770265	0.001174013	0.001922928	0.002468966	0.001091048	0	0.011422257	0	0.002535457	0.00655524	0.004925493	0.000304092	1.5922E-08	1.91454E-06	2.61893E-07	2.19961E-06	2.1996097	370720	3770265								
3707303770265	370730	3770265	0.001091379	0.001878582	0.002259186	0.001014254	0	0.010618293	0	0.002356997	0.006094109	0.004578809	0.000282688	1.48013E-08	1.77975E-06	2.50236E-07	2.04479E-06	2.0447887	370730	3770265								
3707403770265	370740	3770265	0.001825004	0.002989194	0.003883801	0.001696035	0	0.01755911	0	0.003941371	0.01019057	0.007656684	0.000472711	2.47058E-08	2.97611E-06	4.18445E-07	3.1493E-06	3.1492958	370740	3770265								
3707503770265	370750	3770265	0.001793576	0.002937717	0.003771917	0.001666828	0	0.017450138	0	0.003873497	0.010015079	0.00752483	0.00046571	2.43246E-08	2.92485E-06	4.11299E-07	3.36041E-06	3.3604125	370750	3770265								
3707603770265	370760	3770265	0.001740127	0.002850174	0.003659514	0.001617156	0	0.016930127	0	0.003758068	0.009716632	0.007300591	0.000450727	2.35997E-08	2.83769E-06	3.98984E-07	3.26027E-06	3.2602727	370760	3770265								
3707703770265	370770	3770265	0.001666902	0.002730237	0.003505519	0.001549106	0	0.016217697	0	0.003599926	0.00930775	0.006993378	0.00043176	2.26066E-08	2.71828E-06	3.82195E-07	3.12308E-06	3.1230785	370770	3770265								
3707803770265	370780	3770265	0.001559335	0.002545053	0.003279306	0.001449141	0	0.015171156	0	0.00336762	0.008707114	0.006542089	0.000403898	2.11478E-08	2.54286E-06	3.57532E-07	2.92154E-06	2.9215438	370780	3770265								
3707903770265	370790	3770265	0.001467265	0.002403249	0.003085679	0.001363576	0	0.014275377	0	0.003168779	0.008193003	0.006152812	0.00038005	1.98991E-08	2.39272E-06	3.36421E-07	2.74904E-06	2.7490414	370790	3770265								
3708003770265	370800	3770265	0.001364519	0.00223496	0.002869603	0.001268091	0	0.013275736	0	0.002946884	0.007619283	0.005724748	0.000353437	1.85057E-08	2.22517E-06	3.12863E-07	2.55654E-06	2.5565384	370800	3770265								
3708103770265	370810	3770265	0.001256792	0.002058513	0.002643052	0.001167977	0	0.012227637	0	0.002714322	0.007017753	0.005272788	0.000325533	1.70447E-08	2.0495E-06	2.88163E-07	2.3547E-06	2.3547035	370810	3770265								
3708203770265	370820	3770265	0.002200598	0.003604384	0.004627891	0.002045087	0	0.02141016	0	0.004752524	0.012287837	0.009232466	0.000569998	2.98446E-08	3.58859E-06	5.04636E-07	4.123E-06	4.1230028	370820	3770265								
3708303770265	370830	3770265	0.002169622	0.003553647	0.004562746	0.002016299	0	0.02110878	0	0.004685625	0.012114867	0.009102505	0.000561974	2.94245E-08	3.53808E-06	4.97461E-07	4.06497E-06	4.0649654	370830	3770265								
3708403770265	370840	3770265	0.002099076	0.003438099	0.004414387	0.001950738	0	0.020424242	0	0.004533271	0.011720499	0.008806534	0.000543701	2.84678E-08	3.42304E-06	4.81286E-07	3.93279E-06	3.9327918	370840	3770265								
3708503770265	370850	3770265	0.00199515	0.003267878	0.00419583	0.001854157	0	0.019411304	0	0.004308828	0.011140643	0.008370521	0.000516783	2.70583E-08	3.25506E-06	4.57457E-07	3.73808E-06	3.7380786	370850	377								

3705503770325	370550	3770325	0.002658549	0.004354467	0.005590969	0.002470676	0	0.02586568	0	0.005741539	0.014844974	0.01115377	0.000688616	3.60554E-08	4.33539E-06	6.09564E-07	4.98101E-06	4.9810124	370550	3770325
3705603770325	370560	3770325	0.002410692	0.003948499	0.005069722	0.002240334	0	0.023454216	0	0.005206254	0.013460973	0.010113901	0.000624416	3.26939E-08	3.9312E-06	5.52735E-07	4.51663E-06	4.5166312	370560	3770325
3705703770325	370570	3770325	0.002165471	0.003546849	0.004554018	0.002012442	0	0.021068398	0	0.004766661	0.012091691	0.009085190	0.000560899	2.93682E-08	3.53131E-06	4.96509E-07	4.05719E-06	4.0571988	370570	3770325
3705803770335	370580	3770335	0.004334306	0.007099207	0.00911511	0.00420801	0	0.042169527	0	0.009360588	0.024201627	0.018184297	0.001122669	5.87821E-08	7.06811E-06	9.93789E-07	8.12068E-06	8.1206807	370580	3770335
3705103770335	370510	3770335	0.004333767	0.007098325	0.009113977	0.004027509	0	0.042164284	0	0.009359424	0.024199158	0.018182036	0.00112253	5.87748E-08	7.06712E-06	9.93766E-07	8.11967E-06	8.1196712	370510	3770335
3705203770335	370520	3770335	0.004198108	0.006876127	0.008828683	0.003901436	0	0.040844419	0	0.009066447	0.023441653	0.017612883	0.001087391	5.6935E-08	6.84601E-06	9.62561E-07	7.8655E-06	7.8655107	370520	3770335
3705303770335	370530	3770335	0.003987664	0.006531439	0.008387661	0.003750864	0	0.038796962	0	0.008611962	0.022665656	0.016729985	0.001032882	5.40809E-08	6.60283E-06	9.1431E-07	7.47122E-06	7.4712184	370530	3770335
3705403770335	370540	3770335	0.003712762	0.006081174	0.007087994	0.003450389	0	0.036122375	0	0.00801827	0.020731552	0.015576651	0.000961677	5.03527E-08	6.05454E-06	8.51279E-07	6.95617E-06	6.9561671	370540	3770335
3705503770335	370550	3770335	0.003462758	0.005644697	0.007247574	0.003202737	0	0.033529685	0	0.007442758	0.019293542	0.01458634	0.000892653	4.67386E-08	5.651997E-06	7.901787E-07	6.45689E-06	6.4568871	370550	3770335
3705603770335	370560	3770335	0.003130147	0.005126902	0.006582746	0.002908946	0	0.030453967	0	0.006760024	0.014783808	0.013132326	0.000810769	4.24512E-08	5.10444E-06	7.17694E-07	5.86459E-06	5.8645889	370560	3770335
3705703770335	370570	3770335	0.002790321	0.004570297	0.005868086	0.002593135	0	0.027147714	0	0.006026118	0.015587065	0.011706607	0.000722747	3.78425E-08	4.55028E-06	6.39777E-07	5.2279E-06	5.2278965	370570	3770335
3705803770345	370580	3770345	0.005568277	0.009120342	0.011701619	0.005174779	0	0.054175131	0	0.012025534	0.031092489	0.023361341	0.001442292	7.55173E-08	9.08039E-06	1.27672E-06	1.04326E-05	1.0432627	370580	3770345
3705103770345	370510	3770345	0.005555971	0.009100185	0.011684289	0.005163342	0	0.054055401	0	0.011998957	0.031023773	0.023393111	0.001439104	7.53504E-08	9.06032E-06	1.2739E-06	1.04096E-05	1.040957	370510	3770345
3705203770345	370520	3770345	0.005413743	0.008867229	0.011385182	0.005031165	0	0.052671632	0	0.011691795	0.030229593	0.022713003	0.001402264	7.34215E-08	8.82839E-06	1.24129E-06	1.01431E-05	1.0143095	370520	3770345
3705303770345	370530	3770345	0.005202498	0.008521229	0.010940932	0.004834849	0	0.050616383	0	0.01123558	0.029050033	0.021827641	0.001347548	7.05566E-08	8.4839E-06	1.19285E-06	9.74731E-06	9.7473108	370530	3770345
3705403770345	370540	3770345	0.004978132	0.008153737	0.010469808	0.004626338	0	0.048433468	0	0.010751027	0.027797203	0.020885427	0.001189433	6.75137E-08	8.11802E-06	1.14141E-06	9.32694E-06	9.3269421	370540	3770345
3705503770345	370550	3770345	0.004719745	0.007730523	0.009259695	0.004386211	0	0.04591956	0	0.010193002	0.026354407	0.019801382	0.001122505	6.40095E-08	7.69666E-06	1.08216E-06	8.84283E-06	8.8428331	370550	3770345
3705603770345	370560	3770345	0.004325466	0.007084728	0.009096519	0.004019795	0	0.042083519	0	0.009341496	0.024152805	0.018147209	0.001110379	5.86622E-08	7.05369E-06	9.91763E-07	8.10412E-06	8.1041181	370560	3770345
3705703770345	370570	3770345	0.003831717	0.003560938	0.008058159	0.003560938	0	0.037279719	0	0.021395781	0.016705719	0.016705719	0.000992489	5.19666E-08	6.24852E-06	8.78556E-07	7.17904E-06	7.1790394	370570	3770345
3706303770260	370630	3770260	0.000525075	0.000860626	0.00110424	0.000487969	0	0.005108581	0	0.001133978	0.002931945	0.002202917	0.000136005	7.12109E-09	8.56258E-07	1.20392E-07	9.83771E-07	9.837709	370630	3770260
3706103770270	370610	3770270	0.00067943	0.001094032	0.001404625	0.000620741	0	0.006498584	0	0.001442524	0.003729703	0.002802312	0.00017301	9.05868E-09	1.08924E-06	1.53149E-07	1.25145E-06	1.251447	370610	3770270
3706203770270	370620	3770270	0.000618471	0.001300653	0.000574765	0.000574765	0	0.006017255	0	0.001335681	0.003453456	0.002594754	0.000160196	8.38774E-09	1.00856E-06	1.41806E-07	1.15876E-06	1.1587563	370620	3770270
3706303770270	370630	3770270	0.000573353	0.000939101	0.00120577	0.000532835	0	0.005578292	0	0.001238242	0.003201524	0.002405465	0.00014851	7.77855E-09	9.34987E-07	1.31461E-07	1.07422E-06	1.074224	370630	3770270
3706103770280	370610	3770280	0.000738955	0.001210343	0.001554034	0.000686735	0	0.007189477	0	0.001595885	0.004126224	0.003100238	0.000191404	1.00218E-08	1.25047E-06	1.69431E-07	1.38449E-06	1.3844938	370610	3770280
3706203770280	370620	3770280	0.000680992	0.001115405	0.001432137	0.000632868	0	0.006625541	0	0.001470706	0.003802567	0.002857058	0.00017639	9.23566E-09	1.11025E-06	1.56141E-07	1.2759E-06	1.2758953	370620	3770280
3706303770280	370630	3770280	0.000629627	0.001032172	0.001324114	0.000585132	0	0.006125791	0	0.001359774	0.003515748	0.002641557	0.000163085	8.53903E-09	1.02675E-06	1.44364E-07	1.17965E-06	1.1796574	370630	3770280
3706103770290	370610	3770290	0.000825507	0.001352106	0.001736053	0.000761717	0	0.008031555	0	0.001782806	0.004609514	0.003463358	0.000213822	1.11956E-08	1.34618E-06	1.89276E-07	1.54665E-06	1.5466547	370610	3770290
3706203770290	370620	3770290	0.000758267	0.001241973	0.001594466	0.000704681	0	0.007377361	0	0.001637591	0.004234055	0.003181258	0.000196406	1.02837E-08	1.23603E-06	1.73859E-07	1.42028E-06	1.4202651	370620	3770290
3706303770290	370630	3770290	0.000698585	0.00114422	0.001469135	0.000649218	0	0.006796705	0	0.0015087	0.003900803	0.002930866	0.000180947	9.47425E-09	1.13212E-06	1.60175E-07	1.30886E-06	1.3088569	370630	3770290
3706103770300	370610	3770300	0.000932767	0.00152779	0.001961623	0.000866851	0	0.009075121	0	0.002014451	0.005208443	0.003913864	0.000241605	1.26502E-08	1.59112E-06	2.13869E-07	1.74762E-06	1.7476164	370610	3770300
3706203770300	370620	3770300	0.000854037	0.001398836	0.001796052	0.000793684	0	0.008309131	0	0.001844421	0.004768822	0.003583054	0.000221212	1.15825E-08	1.39271E-06	1.95817E-07	1.60011E-06	1.6001181	370620	3770300
3706303770300	370630	3770300	0.001285315	0.001650296	0.002129273	0.000729273	0	0.007634816	0	0.001649474	0.004381816	0.003292277	0.00020326	1.06425E-08	1.27969E-06	1.79926E-07	1.47025E-06	1.4702538	370630	3770300
3706103770310	370610	3770310	0.001069752	0.001752159	0.002249705	0.000994155	0	0.01040788	0	0.002310291	0.005973348	0.004488075	0.000277087	1.4508E-08	1.74484E-06	2.45278E-07	2.00427E-06	2.0042689	370610	3770310
3706203770310	370620	3770310	0.00097739	0.001600878	0.00205466	0.00090832	0	0.009509266	0	0.00210821	0.004100575	0.00351663	0.000253163	1.32554E-08	1.59386E-06	2.241E-07	1.83122E-06	1.8312208	370620	3770310
3706303770310	370630	3770310	0.000899096	0.00147264	0.001890813	0.000835559	0	0.008747527	0	0.001914734	0.005020429	0.003772099	0.000232883	1.21936E-08	1.46619E-06	2.06149E-07	1.68453E-06	1.6845311	370630	3770310
3706103770320	370610	3770320	0.00125803	0.002060541	0.002746655	0.001169128	0	0.012239681	0	0.002716905	0.004704625	0.005277282	0.000235854	1.70615E-08	2.05151E-06	2.88447E-07	2.35702E-06	2.3570229	370610	3770320
3706203770320	370620	3770320	0.001149546	0.001882854	0.002417512	0.00106831	0	0.01184213	0	0.002482618	0.006418905	0.004824844	0.000297755	1.59502E-08	1.87461E-06	2.63371E-07	2.15377E-06	2.1537691	370620	3770320
3706303770320	370630	3770320	0.001060315	0.001736701	0.002229858	0.000985385	0	0.010316063	0	0.00228991	0.005920562	0.004448481	0.000274642	1.43801E-08	1.72909E-06	2.43114E-07	1.98659E-06	1.9865876	370630	3770320
3706103770330	370610	3770330	0.00154684	0.002533586	0.003253027	0.001437528	0	0.015049584	0	0.003340634	0.00861374	0.006489665	0.000400661	2.09783E-08	2.52249E-06	3.54667E-07	2.89313E-06	2.893124	370610	3770330
3706203770330	370620	3770330	0.001417195	0.002321239	0.002980382	0.001317045	0	0.013788238	0	0.003060646	0.007913421	0.005945749	0.000367081	1.92201E-08	2.3107E-06	3.24941E-07	2.65523E-06	2.655232	370620	3770330
3706303770330	370630	3770330	0.001309774	0.002145293	0.002754475	0.001217215	0	0.012743114	0	0.002828655	0.007313598	0.005495072	0.000339257	1.77632E-08	2.1359E-06	3.00311E-07	2.45397E-06	2.4539702		

3704513770280	370451	3770280	0.001432618	0.0023465	0.003012817	0.001331378	0	0.01393829	0	0.003093954	0.00799954	0.006010454	0.000371076	1.94292E-08	2.33622E-06	3.28477E-07	2.68413E-06	2.6841279	370451	3770280
3704613770280	370461	3770280	0.001448011	0.002371714	0.00304519	0.001345684	0	0.014088059	0	0.003127199	0.008085496	0.006075037	0.000375063	1.9638E-08	2.36132E-06	3.32007E-07	2.71297E-06	2.7129693	370461	3770280
3704713770280	370471	3770280	0.001450531	0.002375841	0.003050488	0.001348025	0	0.014112572	0	0.003132641	0.008095665	0.006085136	0.000375716	1.96722E-08	2.36543E-06	3.32584E-07	2.71769E-06	2.7176898	370471	3770280
3704013770290	370401	3770290	0.001443162	0.002363771	0.003030491	0.001341177	0	0.014040875	0	0.003116726	0.008058417	0.006065469	0.000373807	1.95722E-08	2.35342E-06	3.30895E-07	2.70388E-06	2.703883	370401	3770290
3704113770290	370411	3770290	0.001495926	0.002450193	0.003203455	0.001390212	0	0.014554227	0	0.003203677	0.008353042	0.006276608	0.000387474	2.02878E-08	2.43946E-06	3.40299E-07	2.80274E-06	2.8027404	370411	3770290
3704213770290	370421	3770290	0.001545252	0.002530986	0.003249689	0.001436053	0	0.01503414	0	0.003337206	0.008628476	0.006483005	0.00040025	2.09568E-08	2.5199E-06	3.54030E-07	2.89516E-06	2.8951582	370421	3770290
3704313770290	370431	3770290	0.001589861	0.002604005	0.003343501	0.001477509	0	0.015468144	0	0.003433544	0.008877562	0.006670156	0.000418005	2.15618E-08	2.59264E-06	3.6453E-07	2.97874E-06	2.9787353	370431	3770290
3704413770290	370441	3770290	0.00162975	0.002669386	0.003427389	0.001514579	0	0.01585624	0	0.003519691	0.0091003	0.00683751	0.000422137	2.21028E-08	2.67569E-06	3.73677E-07	3.05347E-06	3.0534718	370441	3770290
3704513770290	370451	3770290	0.001664062	0.002725585	0.003593793	0.001546466	0	0.016190067	0	0.003593793	0.009191892	0.006981463	0.000431024	2.25681E-08	2.71635E-06	3.81544E-07	3.11776E-06	3.1177577	370451	3770290
3704613770290	370461	3770290	0.001688966	0.002766375	0.00355192	0.00156961	0	0.01642331	0	0.00364576	0.009439055	0.007085945	0.000434745	2.29058E-08	2.75426E-06	3.87254E-07	3.16442E-06	3.1644168	370461	3770290
3704713770290	370471	3770290	0.001703777	0.002809635	0.003583068	0.001583375	0	0.016576463	0	0.003679563	0.00953655	0.007148084	0.000441311	2.27784E-08	2.73107E-06	3.9056E-07	3.19217E-06	3.1921667	370471	3770290
3704013770300	370401	3770300	0.001652863	0.002707242	0.003475995	0.001563508	0	0.016081106	0	0.003569606	0.009229357	0.006934477	0.000428123	2.24126E-08	2.69538E-06	3.78976E-07	3.09677E-06	3.0967747	370401	3770300
3704113770300	370411	3770300	0.001723103	0.002822289	0.003623711	0.001601335	0	0.016764489	0	0.0037213	0.009621567	0.007229264	0.000446317	2.33688E-08	2.80939E-06	3.95081E-07	3.22838E-06	3.2283753	370411	3770300
3704213770300	370421	3770300	0.001785886	0.002925123	0.003755745	0.001659681	0	0.017375325	0	0.003856891	0.009972142	0.007492568	0.000462579	2.42320E-08	2.91131E-06	4.09476E-07	3.34601E-06	3.3460054	370421	3770300
3704313770300	370431	3770300	0.001843723	0.00301987	0.003877397	0.00171344	0	0.017938117	0	0.003981819	0.010295149	0.00773526	0.000475562	2.50048E-08	3.0064E-06	4.22799E-07	3.45439E-06	3.4543856	370431	3770300
3704413770300	370441	3770300	0.001896821	0.003106841	0.003989065	0.001762786	0	0.018454738	0	0.004096494	0.010591645	0.007958302	0.000491316	2.57429E-08	3.09323E-06	4.34914E-07	3.55387E-06	3.5538705	370441	3770300
3704513770300	370451	3770300	0.00194543	0.003186441	0.004091268	0.001807951	0	0.018927566	0	0.00420145	0.010816124	0.008161924	0.000503904	2.6384E-08	3.17248E-06	4.46057E-07	3.64492E-06	3.6449204	370451	3770300
3704613770300	370461	3770300	0.001984519	0.003250465	0.004173472	0.001844277	0	0.019307869	0	0.004385867	0.011082178	0.008232918	0.000514029	2.69142E-08	3.23623E-06	4.55019E-07	3.71816E-06	3.7181598	370461	3770300
3704713770300	370471	3770300	0.002013922	0.003298626	0.004235309	0.001871603	0	0.019593946	0	0.004349369	0.011254465	0.00844928	0.000521645	2.73129E-08	3.28418E-06	4.61761E-07	3.77325E-06	3.7732503	370471	3770300
3704013770310	370401	3770310	0.001908861	0.003126544	0.004014363	0.001773966	0	0.018571776	0	0.004122473	0.010658816	0.008080501	0.000494432	2.58881E-08	3.11285E-06	4.37672E-07	3.57641E-06	3.5764108	370401	3770310
3704113770310	370411	3770310	0.002001034	0.003277515	0.004208204	0.001859625	0	0.019468548	0	0.004321534	0.011173496	0.008392590	0.000518307	2.71381E-08	3.26316E-06	4.58806E-07	3.7491E-06	3.7491021	370411	3770310
3704213770310	370421	3770310	0.002084497	0.003414221	0.004383729	0.001937191	0	0.020280588	0	0.004501787	0.011639546	0.008745373	0.000539925	2.82701E-08	3.39927E-06	4.77943E-07	3.90548E-06	3.9054784	370421	3770310
3704313770310	370431	3770310	0.002158815	0.003535947	0.004540021	0.002006257	0	0.021003644	0	0.004662288	0.012054527	0.009057168	0.000559175	2.9278E-08	3.52046E-06	4.94983E-07	4.04472E-06	4.0447191	370431	3770310
3704413770310	370441	3770310	0.002226114	0.003646176	0.004807618	0.002068799	0	0.021658405	0	0.004807618	0.012430311	0.009395514	0.000576607	3.01907E-08	3.6302E-06	5.10413E-07	4.17081E-06	4.1708079	370441	3770310
3704513770310	370451	3770310	0.002293397	0.003756381	0.004823049	0.002131328	0	0.022313025	0	0.004952937	0.012806014	0.009621798	0.000594034	3.11032E-08	3.73939E-06	5.25841E-07	4.29827E-06	4.2982694	370451	3770310
3704613770310	370461	3770310	0.00235538	0.003857902	0.004953999	0.00218893	0	0.022916088	0	0.005086798	0.013512116	0.009881484	0.000610089	3.19438E-08	3.841E-06	5.40052E-07	4.413E-06	4.4129988	370461	3770310
3704713770310	370471	3770310	0.002404372	0.003938147	0.005056429	0.00223446	0	0.02392721	0	0.005192603	0.013425679	0.010078384	0.000622779	3.26082E-08	3.9209E-06	5.51285E-07	4.50479E-06	4.5047891	370471	3770310
3704013770320	370401	3770320	0.00225487	0.00364515	0.004806235	0.002068217	0	0.021652313	0	0.004806235	0.012426814	0.009336886	0.000576444	3.01822E-08	3.62918E-06	5.1027E-07	4.16963E-06	4.1696346	370401	3770320
3704113770320	370411	3770320	0.002338326	0.00382997	0.004917154	0.002173081	0	0.022750146	0	0.005054968	0.013056889	0.009810293	0.000605672	3.17125E-08	3.81319E-06	5.36142E-07	4.38105E-06	4.3810469	370411	3770320
3704213770320	370421	3770320	0.00244902	0.004004532	0.005141665	0.002272126	0	0.023787052	0	0.005280135	0.013651996	0.010257426	0.000633277	3.31579E-08	3.98699E-06	5.60578E-07	4.58073E-06	4.5807261	370421	3770320
3704313770320	370431	3770320	0.002542696	0.00416471	0.005347328	0.002363009	0	0.024738517	0	0.005491336	0.014198066	0.010667176	0.000658608	3.44842E-08	4.14647E-06	5.83001E-07	4.76395E-06	4.7639519	370431	3770320
3704413770320	370441	3770320	0.002635544	0.00431351	0.005583288	0.002447437	0	0.025622394	0	0.005685735	0.014705346	0.011048861	0.000682139	3.57163E-08	4.29461E-06	6.03831E-07	4.93416E-06	4.9341622	370441	3770320
3704513770320	370451	3770320	0.002727056	0.004466676	0.005735041	0.002534341	0	0.026532202	0	0.00588949	0.015227507	0.011411187	0.00070636	3.69845E-08	4.44711E-06	6.25272E-07	5.10397E-06	5.1039659	370451	3770320
3704613770320	370461	3770320	0.002818778	0.004616907	0.005927932	0.002619581	0	0.027424581	0	0.006087576	0.015739667	0.011859878	0.000730118	3.82284E-08	4.59668E-06	6.46202E-07	5.28121E-06	5.2812134	370461	3770320
3704713770320	370471	3770320	0.002906931	0.004761294	0.006113319	0.002701505	0	0.028282246	0	0.006277956	0.016231902	0.01195839	0.000752951	3.9424E-08	4.74044E-06	6.66514E-07	5.44638E-06	5.4463758	370471	3770320
3704013770330	370401	3770330	0.00261965	0.002490754	0.002434525	0.002434525	0	0.02548722	0	0.00565753	0.010690573	0.00678654	0.000678504	3.55278E-08	4.27196E-06	6.00645E-07	4.90813E-06	4.9081313	370401	3770330
3704113770330	370411	3770330	0.00276814	0.004533967	0.00582144	0.002572522	0	0.026931916	0	0.005978217	0.015456914	0.011613551	0.000717002	3.75417E-08	4.5411E-06	6.34692E-07	5.18364E-06	5.1836398	370411	3770330
3704213770330	370421	3770330	0.00290412	0.004756691	0.006107408	0.002669892	0	0.028254897	0	0.006271886	0.016216207	0.012184007	0.000752223	3.93858E-08	4.73585E-06	6.6587E-07	5.44110E-06	5.4411096	370421	3770330
3704313770330	370431	3770330	0.003202658	0.004957277	0.006364954	0.002812703	0	0.029446391	0	0.006536368	0.016900353	0.012697841	0.000783944	4.10467E-08	4.93556E-06	6.93949E-07	5.67056E-06	5.6705579	370431	3770330
3704413770330	370441	3770330	0.003142468	0.005147082	0.006608656	0.002920266	0	0.005373838	0	0.006786633	0.017547106	0.013184017	0.00081396	4.26183E-08	5.12454E-06	7.20519E-07	5.88767E-06	5.8876729	370441	3770330
3704513770330	370451	3770330	0.003268801	0.005354157	0.006874533	0.003037888	0	0.003180871	0	0.00705967	0.018253053	0.01371443	0.000846707	4.43329E-08	5.3307E-06	7.49507E-07	6.12454E-06	6.1245431	370451	3770

370370370290	370370	3770290	0.001257942	0.002060398	0.002645472	0.001169046	0	0.01223883	0	0.002716716	0.007024177	0.005277615	0.000325831	1.70603E-08	2.05137E-06	2.88427E-07	2.35686E-06	2.3568591	370370	3770290
3703403770300	370340	3770300	0.001186552	0.001943466	0.002495336	0.001102701	0	0.011544254	0	0.002562538	0.006625542	0.0049781	0.00030734	1.60921E-08	1.93495E-06	2.72058E-07	2.2231E-06	2.223103	370340	3770300
3703503770300	370350	3770300	0.001263608	0.002069677	0.002657386	0.001174311	0	0.012293949	0	0.002728951	0.007055811	0.005301383	0.000327299	1.71371E-08	2.06061E-06	2.89726E-07	2.36747E-06	2.3674734	370350	3770300
3703603770300	370360	3770300	0.001341523	0.002197295	0.002821242	0.00124672	0	0.013052004	0	0.002897221	0.007490878	0.005628271	0.00034748	1.81938E-08	2.18767E-06	3.0759E-07	2.51345E-06	2.5134537	370360	3770300
3703703770300	370370	3770300	0.001419875	0.002986018	0.002986018	0.001319535	0	0.013814309	0	0.003066434	0.007928384	0.005569991	0.000367775	1.92564E-08	2.31544E-06	3.25555E-07	2.66025E-06	2.6602526	370370	3770300
3703403770310	370340	3770310	0.001317522	0.002157984	0.002770768	0.001224416	0	0.012818494	0	0.002845387	0.007356861	0.005527577	0.000341264	1.78683E-08	2.14853E-06	3.02087E-07	2.46849E-06	2.4684863	370340	3770310
3703503770310	370350	3770310	0.001413714	0.002315538	0.002973062	0.00131381	0	0.013754373	0	0.003053129	0.007893986	0.005931146	0.000366179	1.91729E-08	2.30539E-06	3.24143E-07	2.64871E-06	2.6487106	370350	3770310
3703603770310	370360	3770310	0.001512018	0.002476551	0.003179797	0.001405167	0	0.014710798	0	0.003265432	0.008442902	0.006343574	0.000391642	2.05061E-08	2.4657E-06	3.46682E-07	2.83289E-06	2.8328914	370360	3770310
3703703770310	370370	3770310	0.001611356	0.002639258	0.003388707	0.001497485	0	0.015677282	0	0.003479967	0.008997592	0.00676034	0.000417373	2.18533E-08	2.6277E-06	3.69459E-07	3.01901E-06	3.0190095	370370	3770310
3703403770320	370340	3770320	0.001466565	0.002402104	0.003084209	0.001362926	0	0.014268575	0	0.003167269	0.008190999	0.006152879	0.000379869	1.98896E-08	2.39158E-06	3.36261E-07	2.74773E-06	2.7477317	370340	3770320
3703503770320	370350	3770320	0.001587851	0.002600758	0.00339274	0.001475641	0	0.01544859	0	0.003429203	0.00886634	0.006661724	0.000411284	2.15345E-08	2.58937E-06	3.6407E-07	2.97497E-06	2.9749698	370350	3770320
3703603770320	370360	3770320	0.001713418	0.002806426	0.003603343	0.001592334	0	0.016670263	0	0.003700384	0.009567489	0.007188532	0.00043808	2.32375E-08	2.79413E-06	3.9286E-07	3.21023E-06	3.2102301	370360	3770320
3703703770320	370370	3770320	0.001841199	0.003015719	0.003872068	0.001711085	0	0.017913473	0	0.003976346	0.010280999	0.007724628	0.000476906	2.49704E-08	3.00251E-06	4.22158E-07	3.44964E-06	3.4496378	370370	3770320
3703403770330	370340	3770330	0.00163492	0.002677854	0.003438262	0.001519384	0	0.01590654	0	0.003530857	0.009129169	0.006859201	0.000423476	2.21729E-08	2.66612E-06	3.74862E-07	3.06316E-06	3.0631583	370340	3770330
3703503770330	370350	3770330	0.001789571	0.002931158	0.003763494	0.001663106	0	0.017411173	0	0.003864848	0.009992716	0.007508027	0.000463534	2.42703E-08	2.91832E-06	4.10321E-07	3.35291E-06	3.3529088	370350	3770330
3703603770330	370360	3770330	0.001952755	0.00319844	0.004106674	0.001814758	0	0.018998837	0	0.00421727	0.010903917	0.008192658	0.000505802	2.64834E-08	3.18443E-06	4.47737E-07	3.65865E-06	3.6586489	370360	3770330
3703703770330	370370	3770330	0.002120775	0.003473641	0.004460022	0.001970905	0	0.020633544	0	0.004580134	0.011842117	0.008897574	0.000549322	2.87621E-08	3.45842E-06	4.86261E-07	3.97345E-06	3.973448	370370	3770330
3703403770340	370340	3770340	0.001824392	0.002988192	0.003836724	0.001695466	0	0.01774996	0	0.00394005	0.010187155	0.007654118	0.000472553	2.47425E-08	2.9751E-06	4.18305E-07	3.41815E-06	3.4181497	370340	3770340
3703503770340	370350	3770340	0.002023403	0.003314155	0.004255247	0.001880414	0	0.019686188	0	0.004369845	0.011298405	0.008489056	0.000524101	2.74415E-08	3.29964E-06	4.63935E-07	3.79101E-06	3.7910135	370350	3770340
3703603770340	370360	3770340	0.00223909	0.00366743	0.004708839	0.002080858	0	0.021784653	0	0.004835652	0.012502768	0.009393954	0.000579968	3.03667E-08	3.65136E-06	5.13389E-07	4.19512E-06	4.1951198	370360	3770340
3703703770340	370370	3770340	0.002467315	0.004041243	0.005188801	0.002292955	0	0.024005116	0	0.00532854	0.013777148	0.01035146	0.000639082	3.34619E-08	4.02354E-06	5.65717E-07	4.62272E-06	4.6227193	370370	3770340
3703403770350	370340	3770350	0.002034413	0.003332188	0.004279402	0.001890646	0	0.019793307	0	0.004393623	0.011359884	0.008535248	0.000526952	2.75908E-08	3.31759E-06	4.6646E-07	3.81164E-06	3.8116417	370340	3770350
3703503770350	370350	3770350	0.002291504	0.00375328	0.004819067	0.002129568	0	0.022294605	0	0.004948849	0.012795442	0.009613855	0.000593544	3.10775E-08	3.73684E-06	5.25407E-07	4.29332E-06	4.2933222	370350	3770350
3703603770350	370360	3770350	0.002581683	0.004228967	0.005429318	0.002399241	0	0.025117827	0	0.005575534	0.014415762	0.010831282	0.000668706	3.50129E-08	4.21004E-06	5.9194E-07	4.837E-06	4.8369966	370360	3770350
3703703770350	370370	3770350	0.002897086	0.004745169	0.006092615	0.002692355	0	0.028186462	0	0.006256695	0.016176929	0.012154535	0.000750401	3.92904E-08	4.72438E-06	6.64257E-07	5.42793E-06	5.4279294	370370	3770350
3703403770360	370340	3770360	0.002261314	0.003703831	0.004755577	0.002101512	0	0.022000876	0	0.004883648	0.012626864	0.009487194	0.000585724	3.68761E-08	4.22919E-06	5.94631E-07	4.85899E-06	4.8589892	370340	3770360
3703503770360	370350	3770360	0.002593421	0.004247793	0.005454004	0.00241015	0	0.025232032	0	0.005600885	0.014481306	0.010880529	0.000671746	3.51721E-08	4.22919E-06	5.94631E-07	4.85899E-06	4.8589892	370350	3770360
3703603770360	370360	3770360	0.002991123	0.004899193	0.006290376	0.002779747	0	0.029210137	0	0.006459782	0.016702018	0.012549561	0.000774759	4.05658E-08	4.87773E-06	6.85818E-07	5.60412E-06	5.6041164	370360	3770360
3703703770360	370370	3770360	0.003440263	0.005634845	0.007234925	0.003197147	0	0.033471166	0	0.007429768	0.019209956	0.01443434	0.000891095	4.6657E-08	5.61016E-06	7.88799E-07	6.44562E-06	6.4456179	370370	3770360
3703403770370	370340	3770370	0.002495496	0.0040874	0.005248065	0.002319145	0	0.024279291	0	0.0053894	0.013934504	0.010469689	0.000646382	3.38441E-08	4.0695E-06	5.72179E-07	4.67552E-06	4.6755178	370340	3770370
3703503770370	370350	3770370	0.002917271	0.004778231	0.006135065	0.002711114	0	0.028382848	0	0.006300287	0.016289664	0.01223922	0.00075563	3.95642E-08	4.7573E-06	6.68885E-07	5.46575E-06	5.4657489	370350	3770370
3703603770370	370360	3770370	0.003443686	0.005640451	0.007242123	0.003200328	0	0.033504464	0	0.007437159	0.019229066	0.014447758	0.000891981	4.67035E-08	5.61574E-06	7.89584E-07	6.45203E-06	6.4520301	370360	3770370
3703703770370	370370	3770370	0.00407956	0.006681956	0.008579376	0.003791266	0	0.039691042	0	0.008810426	0.022779701	0.017115527	0.001056685	5.53272E-08	6.65269E-06	9.3538E-07	7.64339E-06	7.6433933	370370	3770370



3705403770325	370540	3770325	0	0	2.71339E-05	0	0.000344649	0	0.001656537	0	0	0	0	1.18112E-07	0	1.18112E-07	0.1181119
3705503770325	370550	3770325	0	0	2.53925E-05	0	0.00032253	0	0.001550224	0	0	0	0	1.10532E-07	0	1.10532E-07	0.1105317
3705603770325	370560	3770325	0	0	2.36863E-05	0	0.000300858	0	0.001446058	0	0	0	0	1.03105E-07	0	1.03105E-07	0.1031047
3705703770325	370570	3770325	0	0	2.20753E-05	0	0.000280395	0	0.001347705	0	0	0	0	9.6092E-07	0	9.6092E-07	0.0960922
3705003770335	370500	3770335	0	0	3.79909E-05	0	0.000482551	0	0.002319359	0	0	0	0	1.65371E-07	0	1.65371E-07	0.1653714
3705103770335	370510	3770335	0	0	3.63381E-05	0	0.000461557	0	0.002218454	0	0	0	0	1.58177E-07	0	1.58177E-07	0.1581768
3705203770335	370520	3770335	0	0	3.43848E-05	0	0.000436747	0	0.002099202	0	0	0	0	1.49674E-07	0	1.49674E-07	0.1496741
3705303770335	370530	3770335	0	0	3.22675E-05	0	0.000409854	0	0.001969943	0	0	0	0	1.40458E-07	0	1.40458E-07	0.1404579
3705403770335	370540	3770335	0	0	3.00571E-05	0	0.000381778	0	0.001834998	0	0	0	0	1.30836E-07	0	1.30836E-07	0.1308362
3705503770335	370550	3770335	0	0	2.79208E-05	0	0.000354643	0	0.001704576	0	0	0	0	1.21537E-07	0	1.21537E-07	0.1215371
3705603770335	370560	3770335	0	0	2.58607E-05	0	0.000328476	0	0.001578805	0	0	0	0	1.1257E-07	0	1.1257E-07	0.1125695
3705703770335	370570	3770335	0	0	2.39351E-05	0	0.000304018	0	0.001461246	0	0	0	0	1.04188E-07	0	1.04188E-07	0.1041876
3705003770345	370500	3770345	0	0	4.36431E-05	0	0.000554344	0	0.002664429	0	0	0	0	1.89975E-07	0	1.89975E-07	0.1899751
3705103770345	370510	3770345	0	0	4.15453E-05	0	0.000527699	0	0.002536357	0	0	0	0	1.80844E-07	0	1.80844E-07	0.1808435
3705203770345	370520	3770345	0	0	3.9046E-05	0	0.000495953	0	0.002383774	0	0	0	0	1.69964E-07	0	1.69964E-07	0.1699642
3705303770345	370530	3770345	0	0	3.63302E-05	0	0.000461458	0	0.002217973	0	0	0	0	1.58143E-07	0	1.58143E-07	0.1581426
3705403770345	370540	3770345	0	0	3.35606E-05	0	0.000426279	0	0.002048888	0	0	0	0	1.46087E-07	0	1.46087E-07	0.1460867
3705503770345	370550	3770345	0	0	3.0902E-05	0	0.000392509	0	0.001886575	0	0	0	0	1.34514E-07	0	1.34514E-07	0.1345137
3705603770345	370560	3770345	0	0	2.83737E-05	0	0.000360395	0	0.001732222	0	0	0	0	1.23508E-07	0	1.23508E-07	0.1235083
3705703770345	370570	3770345	0	0	2.60515E-05	0	0.0003309	0	0.001590454	0	0	0	0	1.134E-07	0	1.134E-07	0.1134002
3706303770260	370630	3770260	0	0	1.06699E-05	0	0.000135526	0	0.0006514	0	0	0	0	4.64451E-08	0	4.64451E-08	0.0464451
3706103770270	370610	3770270	0	0	1.23422E-05	0	0.000156767	0	0.000753493	0	0	0	0	5.37244E-08	0	5.37244E-08	0.0537244
3706203770270	370620	3770270	0	0	1.17391E-05	0	0.000149107	0	0.000716674	0	0	0	0	5.10992E-08	0	5.10992E-08	0.0510992
3706303770270	370630	3770270	0	0	1.1167E-05	0	0.000141841	0	0.00068175	0	0	0	0	4.86091E-08	0	4.86091E-08	0.0486091
3706103770280	370610	3770280	0	0	1.2992E-05	0	0.000165021	0	0.000793168	0	0	0	0	5.65532E-08	0	5.65532E-08	0.0565532
3706203770280	370620	3770280	0	0	1.23231E-05	0	0.000156525	0	0.00075233	0	0	0	0	5.36415E-08	0	5.36415E-08	0.0536415
3706303770280	370630	3770280	0	0	1.16948E-05	0	0.000148544	0	0.00071397	0	0	0	0	5.09064E-08	0	5.09064E-08	0.0509064
3706103770290	370610	3770290	0	0	1.36978E-05	0	0.000173986	0	0.000836254	0	0	0	0	5.96253E-08	0	5.96253E-08	0.0596253
3706203770290	370620	3770290	0	0	1.29573E-05	0	0.00016458	0	0.000791045	0	0	0	0	5.64019E-08	0	5.64019E-08	0.0564019
3706303770290	370630	3770290	0	0	1.2261E-05	0	0.000155736	0	0.00074854	0	0	0	0	5.33713E-08	0	5.33713E-08	0.0533713
3706103770300	370610	3770300	0	0	1.44615E-05	0	0.000183686	0	0.00082878	0	0	0	0	6.29497E-08	0	6.29497E-08	0.0629497
3706203770300	370620	3770300	0	0	1.36369E-05	0	0.000173213	0	0.000832539	0	0	0	0	5.93605E-08	0	5.93605E-08	0.0593605
3706303770300	370630	3770300	0	0	1.28637E-05	0	0.000163392	0	0.000785334	0	0	0	0	5.59947E-08	0	5.59947E-08	0.0559947
3706103770310	370610	3770310	0	0	1.52848E-05	0	0.000194144	0	0.000933141	0	0	0	0	6.65334E-08	0	6.65334E-08	0.0665334
3706203770310	370620	3770310	0	0	1.43634E-05	0	0.00018244	0	0.000876889	0	0	0	0	6.25226E-08	0	6.25226E-08	0.0625226
3706303770310	370630	3770310	0	0	1.35086E-05	0	0.000171583	0	0.000824705	0	0	0	0	5.88019E-08	0	5.88019E-08	0.0588019
3706103770320	370610	3770320	0	0	1.61768E-05	0	0.000205474	0	0.000987599	0	0	0	0	7.04163E-08	0	7.04163E-08	0.0704163
3706203770320	370620	3770320	0	0	1.51453E-05	0	0.000192372	0	0.000924625	0	0	0	0	6.59262E-08	0	6.59262E-08	0.0659262
3706303770320	370630	3770320	0	0	1.41982E-05	0	0.000180342	0	0.000866806	0	0	0	0	6.18037E-08	0	6.18037E-08	0.0618037
3706103770330	370610	3770330	0	0	1.71545E-05	0	0.000217892	0	0.001047289	0	0	0	0	7.46722E-08	0	7.46722E-08	0.0746722
3706203770330	370620	3770330	0	0	1.59959E-05	0	0.000203176	0	0.000976556	0	0	0	0	6.96289E-08	0	6.96289E-08	0.0696289
3706303770330	370630	3770330	0	0	1.49404E-05	0	0.000189769	0	0.000912116	0	0	0	0	6.50343E-08	0	6.50343E-08	0.0650343
3706103770340	370610	3770340	0	0	1.82208E-05	0	0.000231436	0	0.001112386	0	0	0	0	7.93136E-08	0	7.93136E-08	0.0793136
3706203770340	370620	3770340	0	0	1.6914E-05	0	0.000214838	0	0.001032606	0	0	0	0	7.36253E-08	0	7.36253E-08	0.0736253
3706303770340	370630	3770340	0	0	1.5738E-05	0	0.000199901	0	0.000960813	0	0	0	0	6.85064E-08	0	6.85064E-08	0.0685064
3706103770350	370610	3770350	0	0	1.93632E-05	0	0.000245947	0	0.001182132	0	0	0	0	8.42866E-08	0	8.42866E-08	0.0842866
3706203770350	370620	3770350	0	0	1.79021E-05	0	0.000227388	0	0.001092927	0	0	0	0	7.79263E-08	0	7.79263E-08	0.0779263
3706303770350	370630	3770350	0	0	1.65969E-05	0	0.00021081	0	0.001013249	0	0	0	0	7.22452E-08	0	7.22452E-08	0.0722452
3706103770360	370610	3770360	0	0	2.06261E-05	0	0.000261988	0	0.001259233	0	0	0	0	8.97839E-08	0	8.97839E-08	0.0897839
3706203770360	370620	3770360	0	0	1.89874E-05	0	0.000241173	0	0.001159187	0	0	0	0	8.26506E-08	0	8.26506E-08	0.0826506
3706303770360	370630	3770360	0	0	1.75366E-05	0	0.000222745	0	0.001070613	0	0	0	0	7.63353E-08	0	7.63353E-08	0.0763353
3706103770370	370610	3770370	0	0	2.20505E-05	0	0.00028008	0	0.001346189	0	0	0	0	9.59839E-08	0	9.59839E-08	0.0959839
3706203770370	370620	3770370	0	0	2.0206E-05	0	0.000256652	0	0.001233583	0	0	0	0	8.79551E-08	0	8.79551E-08	0.0879551
3706303770370	370630	3770370	0	0	1.85913E-05	0	0.000236142	0	0.001135003	0	0	0	0	8.09263E-08	0	8.09263E-08	0.0809263
3706103770380	370610	3770380	0	0	2.36611E-05	0	0.000300537	0	0.001444517	0	0	0	0	1.02995E-07	0	1.02995E-07	0.1029948
3706203770380	370620	3770380	0	0	2.15964E-05	0	0.000274312	0	0.001318467	0	0	0	0	9.40074E-08	0	9.40074E-08	0.0940074
3706303770380	370630	3770380	0	0	1.98037E-05	0	0.000251541	0	0.00120902	0	0	0	0	8.62037E-08	0	8.62037E-08	0.0862037
3706103770390	370610	3770390	0	0	2.55689E-05	0	0.00032477	0	0.001560989	0	0	0	0	1.11299E-07	0	1.11299E-07	0.1112993
3706203770390	370620	3770390	0	0	2.32372E-05	0	0.000295153	0	0.00141864	0	0	0	0	1.0115E-07	0	1.0115E-07	0.1011487
3706303770390	370630	3770390	0	0	2.12276E-05	0	0.000269627	0	0.001295951	0	0	0	0	9.2402E-08	0	9.2402E-08	0.092402
3706203770400	370620	3770400	0	0	2.52394E-05	0	0.000320584	0	0.001540874	0	0	0	0	1.09865E-07	0	1.09865E-07	0.109865
3706303770400	370630	3770400	0	0	2.2957E-05	0	0.000291594	0	0.001401532	0	0	0	0	9.99299E-08	0	9.99299E-08	0.0999299
3704013770260	370401	3770260	0	0	2.18555E-05	0	0.000277603	0	0.001334287	0	0	0	0	9.51353E-08	0	9.51353E-08	0.0951353
3704113770260	370411	3770260	0	0	2.1637E-05	0	0.000274827	0	0.001320944	0	0	0	0	9.41839E-08	0	9.	

3704213770280	370421	3770280	0	0	2.50121E-05	0	0.000317698	0	0.001527	0	0	0	0	1.08876E-07	0	1.08876E-07	0.1088759
3704313770280	370431	3770280	0	0	2.47294E-05	0	0.000314107	0	0.00150974	0	0	0	0	0.107645E-07	0	0.107645E-07	0.1076452
3704413770280	370441	3770280	0	0	2.44173E-05	0	0.000310143	0	0.001490686	0	0	0	0	0.106287E-07	0	0.106287E-07	0.1062867
3704513770280	370451	3770280	0	0	2.40618E-05	0	0.000305626	0	0.001468979	0	0	0	0	0.104739E-07	0	0.104739E-07	0.1047389
3704613770280	370461	3770280	0	0	2.36544E-05	0	0.000300453	0	0.001444113	0	0	0	0	0.102966E-07	0	0.102966E-07	0.1029659
3704713770280	370471	3770280	0	0	2.31722E-05	0	0.000294328	0	0.001414672	0	0	0	0	0.100867E-07	0	0.100867E-07	0.1008668
3704013770290	370401	3770290	0	0	2.7653E-05	0	0.000351242	0	0.001688226	0	0	0	0	0.120371E-07	0	0.120371E-07	0.1203714
3704113770290	370411	3770290	0	0	2.74369E-05	0	0.000348497	0	0.001675025	0	0	0	0	0.119431E-07	0	0.119431E-07	0.1194308
3704213770290	370421	3770290	0	0	2.71969E-05	0	0.000345448	0	0.001660378	0	0	0	0	0.118386E-07	0	0.118386E-07	0.1183858
3704313770290	370431	3770290	0	0	2.6922E-05	0	0.000341957	0	0.001643598	0	0	0	0	0.117189E-07	0	0.117189E-07	0.1171894
3704413770290	370441	3770290	0	0	2.66087E-05	0	0.000337977	0	0.001624469	0	0	0	0	0.115825E-07	0	0.115825E-07	0.1158254
3704513770290	370451	3770290	0	0	2.62485E-05	0	0.000333403	0	0.001602483	0	0	0	0	0.114258E-07	0	0.114258E-07	0.1142578
3704613770290	370461	3770290	0	0	2.58214E-05	0	0.000327977	0	0.001576404	0	0	0	0	0.112398E-07	0	0.112398E-07	0.1123984
3704713770290	370471	3770290	0	0	2.53247E-05	0	0.000321668	0	0.001546079	0	0	0	0	0.110236E-07	0	0.110236E-07	0.1102362
3704013770300	370401	3770300	0	0	3.01167E-05	0	0.000382535	0	0.001838637	0	0	0	0	0.131096E-07	0	0.131096E-07	0.1310957
3704113770300	370411	3770300	0	0	2.99375E-05	0	0.000380259	0	0.001827695	0	0	0	0	0.130316E-07	0	0.130316E-07	0.1303155
3704213770300	370421	3770300	0	0	2.97119E-05	0	0.000377393	0	0.001813922	0	0	0	0	0.129334E-07	0	0.129334E-07	0.1293335
3704313770300	370431	3770300	0	0	2.94486E-05	0	0.000374049	0	0.00179785	0	0	0	0	0.128188E-07	0	0.128188E-07	0.1281876
3704413770300	370441	3770300	0	0	2.91407E-05	0	0.000370138	0	0.001779049	0	0	0	0	0.126847E-07	0	0.126847E-07	0.1268471
3704513770300	370451	3770300	0	0	2.87793E-05	0	0.000365548	0	0.001756988	0	0	0	0	0.125274E-07	0	0.125274E-07	0.1252741
3704613770300	370461	3770300	0	0	2.83385E-05	0	0.000359948	0	0.001730074	0	0	0	0	0.123355E-07	0	0.123355E-07	0.1233552
3704713770300	370471	3770300	0	0	2.7814E-05	0	0.000353287	0	0.001698057	0	0	0	0	0.121072E-07	0	0.121072E-07	0.1210723
3704013770310	370401	3770310	0	0	3.2948E-05	0	0.000418497	0	0.002011488	0	0	0	0	0.14342E-07	0	0.14342E-07	0.14342
3704113770310	370411	3770310	0	0	3.28156E-05	0	0.000416815	0	0.002003401	0	0	0	0	0.142843E-07	0	0.142843E-07	0.1428435
3704213770310	370421	3770310	0	0	3.26351E-05	0	0.000414523	0	0.001992383	0	0	0	0	0.142058E-07	0	0.142058E-07	0.1420579
3704313770310	370431	3770310	0	0	3.24E-05	0	0.000411536	0	0.001978029	0	0	0	0	0.141034E-07	0	0.141034E-07	0.1410345
3704413770310	370441	3770310	0	0	3.21032E-05	0	0.000407767	0	0.00195991	0	0	0	0	0.139743E-07	0	0.139743E-07	0.1397426
3704513770310	370451	3770310	0	0	3.17526E-05	0	0.000403313	0	0.001938506	0	0	0	0	0.138216E-07	0	0.138216E-07	0.1382164
3704613770310	370461	3770310	0	0	3.13134E-05	0	0.000397735	0	0.001911694	0	0	0	0	0.136305E-07	0	0.136305E-07	0.1363047
3704713770310	370471	3770310	0	0	3.07546E-05	0	0.000390637	0	0.001877579	0	0	0	0	0.133872E-07	0	0.133872E-07	0.1338723
3704013770320	370401	3770320	0	0	3.62118E-05	0	0.000459954	0	0.002210746	0	0	0	0	0.157627E-07	0	0.157627E-07	0.1576273
3704113770320	370411	3770320	0	0	3.61195E-05	0	0.000458781	0	0.002205111	0	0	0	0	0.157225E-07	0	0.157225E-07	0.1572255
3704213770320	370421	3770320	0	0	3.60012E-05	0	0.000457278	0	0.002197883	0	0	0	0	0.15671E-07	0	0.15671E-07	0.1567102
3704313770320	370431	3770320	0	0	3.58327E-05	0	0.000455138	0	0.002187598	0	0	0	0	0.155977E-07	0	0.155977E-07	0.1559768
3704413770320	370441	3770320	0	0	3.55947E-05	0	0.000452115	0	0.002173068	0	0	0	0	0.154941E-07	0	0.154941E-07	0.1549408
3704513770320	370451	3770320	0	0	3.52846E-05	0	0.000448177	0	0.00215414	0	0	0	0	0.153591E-07	0	0.153591E-07	0.1535912
3704613770320	370461	3770320	0	0	3.486E-05	0	0.000442782	0	0.002128212	0	0	0	0	0.151743E-07	0	0.151743E-07	0.1517426
3704713770320	370471	3770320	0	0	3.42954E-05	0	0.000435611	0	0.002093743	0	0	0	0	0.149285E-07	0	0.149285E-07	0.1492849
3704013770330	370401	3770330	0	0	3.99753E-05	0	0.000507756	0	0.002440506	0	0	0	0	0.174009E-07	0	0.174009E-07	0.1740093
3704113770330	370411	3770330	0	0	3.99819E-05	0	0.00050784	0	0.00244091	0	0	0	0	0.174038E-07	0	0.174038E-07	0.1740381
3704213770330	370421	3770330	0	0	3.99608E-05	0	0.000507572	0	0.002439622	0	0	0	0	0.173946E-07	0	0.173946E-07	0.1739462
3704313770330	370431	3770330	0	0	3.98909E-05	0	0.000506684	0	0.002435351	0	0	0	0	0.173642E-07	0	0.173642E-07	0.1736417
3704413770330	370441	3770330	0	0	3.97501E-05	0	0.000504896	0	0.002426759	0	0	0	0	0.173029E-07	0	0.173029E-07	0.1730291
3704513770330	370451	3770330	0	0	3.95266E-05	0	0.000502057	0	0.002413113	0	0	0	0	0.172056E-07	0	0.172056E-07	0.1720561
3704613770330	370461	3770330	0	0	3.91764E-05	0	0.000497609	0	0.002391734	0	0	0	0	0.170532E-07	0	0.170532E-07	0.1705318
3704713770330	370471	3770330	0	0	3.86321E-05	0	0.000490695	0	0.002358503	0	0	0	0	0.168162E-07	0	0.168162E-07	0.1681624
3704013770340	370401	3770340	0	0	4.43874E-05	0	0.000563797	0	0.002709865	0	0	0	0	0.193215E-07	0	0.193215E-07	0.1932147
3704113770340	370411	3770340	0	0	4.45025E-05	0	0.000565259	0	0.00271689	0	0	0	0	0.193716E-07	0	0.193716E-07	0.1937156
3704213770340	370421	3770340	0	0	4.46208E-05	0	0.000566763	0	0.002724118	0	0	0	0	0.194231E-07	0	0.194231E-07	0.1942309
3704313770340	370431	3770340	0	0	4.47194E-05	0	0.000568014	0	0.002730132	0	0	0	0	0.19466E-07	0	0.19466E-07	0.1946598
3704413770340	370441	3770340	0	0	4.47442E-05	0	0.00056833	0	0.002731649	0	0	0	0	0.194768E-07	0	0.194768E-07	0.1947679
3704513770340	370451	3770340	0	0	4.46974E-05	0	0.000567735	0	0.002728793	0	0	0	0	0.194564E-07	0	0.194564E-07	0.1945643
3704613770340	370461	3770340	0	0	4.45103E-05	0	0.000565359	0	0.002717371	0	0	0	0	0.19375E-07	0	0.19375E-07	0.1937499
3704713770340	370471	3770340	0	0	4.40264E-05	0	0.000559213	0	0.002687829	0	0	0	0	0.191644E-07	0	0.191644E-07	0.1916436
3704013770350	370401	3770350	0	0	4.95371E-05	0	0.000629208	0	0.003024257	0	0	0	0	0.215631E-07	0	0.215631E-07	0.2156311
3704113770350	370411	3770350	0	0	4.98202E-05	0	0.000632804	0	0.003041542	0	0	0	0	0.216863E-07	0	0.216863E-07	0.2168634
3704213770350	370421	3770350	0	0	5.01526E-05	0	0.000637026	0	0.003061834	0	0	0	0	0.21831E-07	0	0.21831E-07	0.2183103
3704313770350	370431	3770350	0	0	5.05181E-05	0	0.000641668	0	0.003084148	0	0	0	0	0.219901E-07	0	0.219901E-07	0.2199013
3704413770350	370441	3770350	0	0	5.08389E-05	0	0.000645743	0	0.003103733	0	0	0	0	0.221298E-07	0	0.221298E-07	0.2212977
3704513770350	370451	3770350	0	0	5.10852E-05	0	0.000648871	0	0.003118769	0	0	0	0	0.22237E-07	0	0.22237E-07	0.2223697
3704613770350	370461	3770350	0	0	5.11576E-05	0	0.000649791	0	0.003123191	0	0	0	0	0.222685E-07	0	0.222685E-07	0.222685
3704713770350	370471	3770350	0	0	5.09171E-05	0	0.000646737	0	0.003108509	0	0	0	0	0.221638E-07	0	0.221638E-07	0.2216382
3704013770360	370401	3770360	0	0	5.56111E-05	0	0.000706358	0	0.003395077	0	0	0	0	0.242071E-07	0	0.242071E-07	0.2420707
3704113770360	370411	37															

3703603770280	370360	3770280	0	0	2.61625E-05	0	0.000332309	0	0.001597227	0	0	0	0	1.13883E-07	0	1.13883E-07	0.1138831
3703703770280	370370	3770280	0	0	2.60205E-05	0	0.000330506	0	0.001588559	0	0	0	0	0.13265E-07	0	1.13265E-07	0.113265
3703403770290	370340	3770290	0	0	2.85012E-05	0	0.000362015	0	0.001740006	0	0	0	0	0.124063E-07	0	1.24063E-07	0.1240633
3703503770290	370350	3770290	0	0	2.84026E-05	0	0.000360763	0	0.001733991	0	0	0	0	0.123634E-07	0	1.23634E-07	0.1236344
3703603770290	370360	3770290	0	0	2.82901E-05	0	0.000359333	0	0.001727118	0	0	0	0	0.123144E-07	0	1.23144E-07	0.1231443
3703703770290	370370	3770290	0	0	2.81547E-05	0	0.000357614	0	0.001718854	0	0	0	0	0.122555E-07	0	1.22555E-07	0.1225552
3703403770300	370340	3770300	0	0	3.08697E-05	0	0.000392099	0	0.001884604	0	0	0	0	0.134373E-07	0	1.34373E-07	0.1343732
3703503770300	370350	3770300	0	0	3.07844E-05	0	0.000391016	0	0.001879398	0	0	0	0	0.134002E-07	0	1.34002E-07	0.134002
3703603770300	370360	3770300	0	0	3.06797E-05	0	0.000389686	0	0.001873005	0	0	0	0	0.133546E-07	0	1.33546E-07	0.1335462
3703703770300	370370	3770300	0	0	3.05667E-05	0	0.000388225	0	0.001866106	0	0	0	0	0.133054E-07	0	1.33054E-07	0.1330543
3703403770310	370340	3770310	0	0	3.35453E-05	0	0.000426084	0	0.002047953	0	0	0	0	0.14602E-07	0	1.4602E-07	0.1460201
3703503770310	370350	3770310	0	0	3.3477E-05	0	0.000425217	0	0.002043783	0	0	0	0	0.145723E-07	0	1.45723E-07	0.1457228
3703603770310	370360	3770310	0	0	3.33926E-05	0	0.000424144	0	0.002038628	0	0	0	0	0.145355E-07	0	1.45355E-07	0.1453552
3703703770310	370370	3770310	0	0	3.33007E-05	0	0.000422977	0	0.002033018	0	0	0	0	0.144955E-07	0	1.44955E-07	0.1449552
3703403770320	370340	3770320	0	0	3.65964E-05	0	0.000464838	0	0.002234222	0	0	0	0	0.159301E-07	0	1.59301E-07	0.1593012
3703503770320	370350	3770320	0	0	3.65471E-05	0	0.000464213	0	0.002231215	0	0	0	0	0.159087E-07	0	1.59087E-07	0.1590867
3703603770320	370360	3770320	0	0	3.64879E-05	0	0.000463461	0	0.002227602	0	0	0	0	0.158829E-07	0	1.58829E-07	0.1588291
3703703770320	370370	3770320	0	0	3.6425E-05	0	0.000462662	0	0.00222376	0	0	0	0	0.158555E-07	0	1.58555E-07	0.1585552
3703403770330	370340	3770330	0	0	4.00767E-05	0	0.000509044	0	0.002446697	0	0	0	0	0.174451E-07	0	1.74451E-07	0.1744507
3703503770330	370350	3770330	0	0	4.00573E-05	0	0.000508797	0	0.00244551	0	0	0	0	0.174366E-07	0	1.74366E-07	0.174366
3703603770330	370360	3770330	0	0	4.00324E-05	0	0.000508482	0	0.002443994	0	0	0	0	0.174258E-07	0	1.74258E-07	0.1742579
3703703770330	370370	3770330	0	0	4.00126E-05	0	0.00050823	0	0.002442781	0	0	0	0	0.174171E-07	0	1.74171E-07	0.1741715
3703403770340	370340	3770340	0	0	4.40894E-05	0	0.000560012	0	0.00269167	0	0	0	0	0.191917E-07	0	1.91917E-07	0.1919174
3703503770340	370350	3770340	0	0	4.4103E-05	0	0.000560185	0	0.002692504	0	0	0	0	0.191977E-07	0	1.91977E-07	0.1919769
3703603770340	370360	3770340	0	0	4.41208E-05	0	0.000560412	0	0.002693591	0	0	0	0	0.192054E-07	0	1.92054E-07	0.1920544
3703703770340	370370	3770340	0	0	4.41572E-05	0	0.000560874	0	0.002695815	0	0	0	0	0.192213E-07	0	1.92213E-07	0.1922129
3703403770350	370340	3770350	0	0	4.87498E-05	0	0.000619208	0	0.002976192	0	0	0	0	0.212204E-07	0	2.12204E-07	0.2122039
3703503770350	370350	3770350	0	0	4.87999E-05	0	0.000619844	0	0.00297925	0	0	0	0	0.212422E-07	0	2.12422E-07	0.212422
3703603770350	370360	3770350	0	0	4.88711E-05	0	0.000620748	0	0.002983596	0	0	0	0	0.212732E-07	0	2.12732E-07	0.2127319
3703703770350	370370	3770350	0	0	4.89704E-05	0	0.00062201	0	0.002989661	0	0	0	0	0.213164E-07	0	2.13164E-07	0.2131643
3703403770360	370340	3770360	0	0	5.42178E-05	0	0.000688661	0	0.00310016	0	0	0	0	0.236006E-07	0	2.36006E-07	0.2360058
3703503770360	370350	3770360	0	0	5.43118E-05	0	0.000689855	0	0.00315753	0	0	0	0	0.236415E-07	0	2.36415E-07	0.2364148
3703603770360	370360	3770360	0	0	5.44554E-05	0	0.000691679	0	0.00324522	0	0	0	0	0.23704E-07	0	2.3704E-07	0.23704
3703703770360	370370	3770360	0	0	5.46264E-05	0	0.00069385	0	0.00334958	0	0	0	0	0.237784E-07	0	2.37784E-07	0.2377842
3703403770370	370340	3770370	0	0	6.07016E-05	0	0.000771017	0	0.003705855	0	0	0	0	0.264229E-07	0	2.64229E-07	0.2642293
3703503770370	370350	3770370	0	0	6.08457E-05	0	0.000772846	0	0.003714649	0	0	0	0	0.264856E-07	0	2.64856E-07	0.2648563
3703603770370	370360	3770370	0	0	6.10448E-05	0	0.000775375	0	0.003726804	0	0	0	0	0.265723E-07	0	2.65723E-07	0.2657229
3703703770370	370370	3770370	0	0	6.13043E-05	0	0.000778672	0	0.003742649	0	0	0	0	0.266853E-07	0	2.66853E-07	0.2668527



# 9600 Wilshire BLVD Specific Plan - Unmitigated

Cancer Risk Summary & Maximum Annual GLC for Chronic Calculations

## Cancer Risk Summary

Max Risk: 31.85566

XY	X	Y	Offroad Risk	Haul Risk	Total Risk
7050037702f	370500	3770265	2.124818644	0.083083	2.2079017
7051037702f	370510	3770265	2.077204501	0.080573	2.1577776
7052037702f	370520	3770265	2.015456188	0.077894	2.09335
7053037702f	370530	3770265	1.945030914	0.075115	2.0201464
7054037702f	370540	3770265	1.860280469	0.072206	1.932486
7055037702f	370550	3770265	1.771955552	0.069281	1.8412367
7056037702f	370560	3770265	1.676372547	0.066326	1.7426988
7057037702f	370570	3770265	1.576287346	0.06338	1.6396676
7050037702f	370500	3770275	2.460491529	0.089858	2.5503493
7051037702f	370510	3770275	2.409248343	0.087067	2.4963151
7052037702f	370520	3770275	2.335466886	0.084034	2.4195013
7053037702f	370530	3770275	2.246186957	0.080847	2.3270339
7054037702f	370540	3770275	2.135296484	0.077488	2.2127849
7055037702f	370550	3770275	2.025006303	0.074155	2.0991614
7056037702f	370560	3770275	1.905166007	0.070791	1.9759571
7057037702f	370570	3770275	1.780741657	0.067451	1.8481922
7050037702f	370500	3770285	2.882824884	0.097676	2.9805007
7051037702f	370510	3770285	2.827707079	0.094524	2.9222316
7052037702f	370520	3770285	2.736626272	0.09104	2.8276661
7053037702f	370530	3770285	2.634822205	0.087429	2.722251
7054037702f	370540	3770285	2.480246624	0.083478	2.5637242
7055037702f	370550	3770285	2.343843701	0.079663	2.4235069
7056037702f	370560	3770285	2.199609684	0.075852	2.2754621
7057037702f	370570	3770285	2.044788683	0.072052	2.1168411
7050037702f	370500	3770295	3.419295751	0.106757	3.5260527
7051037702f	370510	3770295	3.360412472	0.10315	3.4635622
7052037702f	370520	3770295	3.260272699	0.099171	3.359444
7053037702f	370530	3770295	3.123078481	0.094917	3.2179958
7054037702f	370540	3770295	2.921543777	0.090314	3.0118574
7055037702f	370550	3770295	2.749041421	0.085894	2.8349353
7056037702f	370560	3770295	2.556538396	0.081443	2.6379818
7057037702f	370570	3770295	2.354703545	0.077051	2.4317541
7050037703f	370500	3770305	4.123002767	0.117487	4.2404894
7051037703f	370510	3770305	4.064965357	0.11331	4.1782754
7052037703f	370520	3770305	3.93279177	0.108593	4.0413847
7053037703f	370530	3770305	3.738078576	0.103496	3.8415742
7054037703f	370540	3770305	3.504264485	0.098198	3.6024628
7055037703f	370550	3770305	3.27888178	0.092997	3.3718783
7056037703f	370560	3770305	3.02561274	0.087788	3.1134003
7057037703f	370570	3770305	2.767950648	0.082715	2.8506661
7050037703f	370500	3770315	5.04712643	0.130245	5.1773717
7051037703f	370510	3770315	4.99618339	0.125344	5.1215277
7052037703f	370520	3770315	4.837324055	0.119741	4.9570648
7053037703f	370530	3770315	4.588448068	0.113651	4.7020987
7054037703f	370540	3770315	4.292449087	0.107359	4.3998078
7055037703f	370550	3770315	3.976176577	0.101087	4.0772632
7056037703f	370560	3770315	3.623122482	0.09486	3.7179821
7057037703f	370570	3770315	3.285621432	0.088937	3.3745585
7050037703f	370500	3770325	6.349953065	0.145943	6.4958956
7051037703f	370510	3770325	6.322421449	0.140072	6.4624937
7052037703f	370520	3770325	6.121705326	0.133245	6.2549506
7053037703f	370530	3770325	5.813809631	0.125869	5.9396783
7054037703f	370540	3770325	5.394150309	0.118112	5.5122622
7055037703f	370550	3770325	4.98101235	0.110532	5.0915441
7056037703f	370560	3770325	4.516631206	0.103105	4.6197359
7057037703f	370570	3770325	4.057188835	0.096092	4.1532809
7050037703f	370500	3770335	8.120680745	0.165371	8.2860522
7051037703f	370510	3770335	8.119671162	0.158177	8.277848
7052037703f	370520	3770335	7.865501683	0.149674	8.0151758
7053037703f	370530	3770335	7.471218379	0.140458	7.6116763
7054037703f	370540	3770335	6.956167055	0.130836	7.0870033
7055037703f	370550	3770335	6.456887063	0.121537	6.5784242

## Max GLC for Chronic Calcs

Max GLC: 0.166405

XY	X	Y	2024	2025	2026	2027	2028
3705003770265	370500	3770265	0.0011341	0.005558	0.0121991	0.0087819	0.0050518
3705103770265	370510	3770265	0.0011087	0.0054314	0.0119167	0.0085851	0.0049386
3705203770265	370520	3770265	0.0010757	0.0052691	0.0115584	0.0083299	0.0047918
3705303770265	370530	3770265	0.0010381	0.0050848	0.0111538	0.0080388	0.0046243
3705403770265	370540	3770265	0.0009929	0.0048644	0.0106729	0.0076885	0.0044228
3705503770265	370550	3770265	0.0009458	0.004635	0.0101732	0.0073235	0.0042128
3705603770265	370560	3770265	0.0008947	0.0043875	0.0096354	0.0069284	0.0039856
3705703770265	370570	3770265	0.0008413	0.0041287	0.0090744	0.0065148	0.0037476
3705003770275	370500	3770275	0.0013133	0.0064161	0.0140372	0.0101692	0.0058498
3705103770275	370510	3770275	0.0012859	0.0062796	0.013732	0.0099574	0.005728
3705203770275	370520	3770275	0.0012465	0.0060861	0.0133063	0.0096525	0.0055526
3705303770275	370530	3770275	0.0011989	0.0058535	0.012798	0.0092835	0.0053403
3705403770275	370540	3770275	0.0011397	0.0055665	0.0121751	0.0088252	0.0050767
3705503770275	370550	3770275	0.0010808	0.0052811	0.0115556	0.0083693	0.0048145
3705603770275	370560	3770275	0.0010169	0.0049718	0.0108861	0.007874	0.0045295
3705703770275	370570	3770275	0.0009504	0.0046511	0.0101931	0.0073598	0.0042337
3705003770285	370500	3770285	0.0015387	0.0074934	0.01634	0.0119147	0.0068539
3705103770285	370510	3770285	0.0015093	0.0073461	0.0160096	0.0116869	0.0067229
3705203770285	370520	3770285	0.0014606	0.0071081	0.0154878	0.0113105	0.0065063
3705303770285	370530	3770285	0.0014063	0.006843	0.0149085	0.0108897	0.0062643
3705403770285	370540	3770285	0.0013238	0.0064452	0.0140503	0.0102509	0.0058968
3705503770285	370550	3770285	0.001251	0.0060932	0.0132885	0.0096871	0.0055725
3705603770285	370560	3770285	0.001174	0.0057217	0.0124861	0.009091	0.0052296
3705703770285	370570	3770285	0.0010914	0.0053238	0.0116288	0.0084511	0.0048615
3705003770295	370500	3770295	0.001825	0.0088593	0.0192532	0.0141319	0.0081294
3705103770295	370510	3770295	0.0017936	0.0087011	0.0188968	0.0138886	0.0079894
3705203770295	370520	3770295	0.0017401	0.008439	0.018321	0.0134747	0.0077513
3705303770295	370530	3770295	0.0016669	0.0080836	0.0175489	0.0129077	0.0074251
3705403770295	370540	3770295	0.0015593	0.0075668	0.0164378	0.0120747	0.006946
3705503770295	370550	3770295	0.0014673	0.0071229	0.0154801	0.0113618	0.0065359
3705603770295	370560	3770295	0.0013645	0.006629	0.014418	0.0105662	0.0060782
3705703770295	370570	3770295	0.0012568	0.0061121	0.0133083	0.009732	0.0055983
3705003770305	370500	3770305	0.0022006	0.0106472	0.0230579	0.0170404	0.0098025
3705103770305	370510	3770305	0.0021696	0.0104894	0.022698	0.0168005	0.0096645
3705203770305	370520	3770305	0.0020991	0.010145	0.0219455	0.0162542	0.0093502
3705303770305	370530	3770305	0.0019952	0.0096436	0.0208628	0.0154495	0.0088873
3705403770305	370540	3770305	0.0018704	0.0090441	0.0195744	0.0144831	0.0083314
3705503770305	370550	3770305	0.0017501	0.008466	0.0183311	0.0135516	0.0077956
3705603770305	370560	3770305	0.0016149	0.0078182	0.0169428	0.0125049	0.0071934
3705703770305	370570	3770305	0.0014774	0.00716	0.0155337	0.0114399	0.0065808
3705003770315	370500	3770315	0.0026938	0.0129909	0.0280357	0.0208598	0.0119996
3705103770315	370510	3770315	0.0026666	0.0128485	0.0277024	0.0206492	0.0118785
3705203770315	370520	3770315	0.0025819	0.0124349	0.0267989	0.0199926	0.0115008
3705303770315	370530	3770315	0.002449	0.0117953	0.0254211	0.018964	0.0109091
3705403770315	370540	3770315	0.002291	0.0110377	0.0237958	0.0177407	0.0102053
3705503770315	370550	3770315	0.0021222	0.0102296	0.0220655	0.0164335	0.0094534
3705603770315	370560	3770315	0.0019338	0.0093299	0.0201448	0.0149744	0.008614
3705703770315	370570	3770315	0.0017537	0.00847	0.0183091	0.0135795	0.0078116
3705003770325	370500	3770325	0.0033892	0.0162878	0.0350213	0.0262443	0.0150971
3705103770325	370510	3770325	0.0033745	0.0162007	0.034796	0.0261306	0.0150316
3705203770325	370520	3770325	0.0032674	0.0156789	0.0336579	0.025301	0.0145544
3705303770325	370530	3770325	0.003103	0.0148882	0.0319556	0.0240285	0.0138224
3705403770325	370540	3770325	0.0028791	0.0138177	0.0296676	0.022294	0.0128246
3705503770325	370550	3770325	0.0026585	0.012764	0.0274159	0.0205865	0.0118424
3705603770325	370560	3770325	0.0024107	0.0115831	0.0249003	0.0186672	0.0107383
3705703770325	370570	3770325	0.0021655	0.0104158	0.0224161	0.0167684	0.009646
3705003770335	370500						

7056037703:	370560	3770335	5.864588955	0.11257	5.9771585	3705603770335	370560	3770335	0.0031301	0.0149729	0.0320328	0.0242383	0.0139431
7057037703:	370570	3770335	5.227896456	0.104188	5.332084	3705703770335	370570	3770335	0.0027903	0.0133595	0.028609	0.0216069	0.0124294
7050037703:	370500	3770345	10.43262706	0.189975	10.622602	3705003770345	370500	3770345	0.0055683	0.0266033	0.0568396	0.043118	0.0248036
7051037703:	370510	3770345	10.40957036	0.180844	10.590414	3705103770345	370510	3770345	0.005556	0.0265171	0.0565918	0.0430227	0.0247488
7052037703:	370520	3770345	10.14309487	0.169964	10.313059	3705203770345	370520	3770345	0.0054137	0.0258186	0.0550554	0.0419214	0.0241153
7053037703:	370530	3770345	9.747310838	0.158143	9.9054534	3705303770345	370530	3770345	0.0052025	0.0247948	0.0528344	0.0402856	0.0231743
7054037703:	370540	3770345	9.326942079	0.146087	9.4730288	3705403770345	370540	3770345	0.0049781	0.023709	0.0504824	0.0385482	0.0221749
7055037703:	370550	3770345	8.842833126	0.134514	8.9773469	3705503770345	370550	3770345	0.0047197	0.0224658	0.0478061	0.0365474	0.0210239
7056037703:	370560	3770345	8.104118118	0.123508	8.2276264	3705603770345	370560	3770345	0.0043255	0.0205898	0.0438157	0.0334943	0.0192676
7057037703:	370570	3770345	7.179039444	0.1134	7.2924396	3705703770345	370570	3770345	0.0038317	0.0182521	0.0388702	0.029671	0.0170682
7063037702:	370630	3770260	0.983770949	0.046445	1.0302161	3706303770260	370630	3770260	0.0005251	0.0025984	0.00576	0.0040659	0.0023389
7061037702:	370610	3770270	1.251447019	0.053724	1.3051714	3706103770270	370610	3770270	0.0006679	0.0032886	0.0072521	0.0051722	0.0029753
7062037702:	370620	3770270	1.158756335	0.051099	1.2098555	3706203770270	370620	3770270	0.0006185	0.0030493	0.0067339	0.0047891	0.0027549
7063037702:	370630	3770270	1.074224178	0.048609	1.1228333	3706303770270	370630	3770270	0.0005734	0.0028307	0.00626	0.0044398	0.002554
7061037702:	370610	3770280	1.384493759	0.056553	1.441047	3706103770280	370610	3770280	0.000739	0.0036291	0.0079826	0.0057221	0.0032916
7062037702:	370620	3770280	1.275895313	0.053642	1.3295368	3706203770280	370620	3770280	0.000681	0.0033493	0.0073779	0.0052733	0.0030334
7063037702:	370630	3770280	1.179657443	0.050906	1.2305638	3706303770280	370630	3770280	0.0006296	0.0031008	0.0068398	0.0048755	0.0028046
7061037702:	370610	3770290	1.546654705	0.059625	1.60628	3706103770290	370610	3770290	0.0008255	0.004043	0.0088678	0.0063923	0.0036772
7062037702:	370620	3770290	1.42067505	0.056402	1.4770769	3706203770290	370620	3770290	0.0007583	0.0037188	0.0081684	0.0058716	0.0033777
7063037702:	370630	3770290	1.308856851	0.053371	1.3622281	3706303770290	370630	3770290	0.0006986	0.0034306	0.0075452	0.0054095	0.0031118
7061037703:	370610	3770300	1.747616402	0.06295	1.8105661	3706103770300	370610	3770300	0.0009328	0.0045544	0.009958	0.0072229	0.004155
7062037703:	370620	3770300	1.600108061	0.05936	1.6594685	3706203770300	370620	3770300	0.000854	0.0041754	0.0091417	0.0066132	0.0038043
7063037703:	370630	3770300	1.470253788	0.055995	1.5262485	3706303770300	370630	3770300	0.0007847	0.0038411	0.0084202	0.0060766	0.0034955
7061037703:	370610	3770310	2.004268911	0.066533	2.0708024	3706103770310	370610	3770310	0.0010698	0.0052054	0.011341	0.0082836	0.0047652
7062037703:	370620	3770310	1.831220834	0.062523	1.8937435	3706203770310	370620	3770310	0.0009774	0.0047615	0.0103862	0.0075684	0.0043537
7063037703:	370630	3770310	1.684531074	0.058802	1.743333	3706303770310	370630	3770310	0.0008991	0.0043841	0.0095722	0.0069622	0.004005
7061037703:	370610	3770320	2.357022859	0.070416	2.4274392	3706103770320	370610	3770320	0.001258	0.006097	0.0132273	0.0097416	0.0056038
7062037703:	370620	3770320	2.153769134	0.065926	2.2196954	3706203770320	370620	3770320	0.0011495	0.0055762	0.0121088	0.0089015	0.0051206
7063037703:	370630	3770320	1.986587556	0.061804	2.0483913	3706303770320	370630	3770320	0.0010603	0.0051465	0.0111829	0.0082106	0.0047231
7061037703:	370610	3770330	2.898132353	0.074672	2.9728045	3706103770330	370610	3770330	0.0015468	0.0074592	0.0160969	0.011978	0.0068903
7062037703:	370620	3770330	2.655232009	0.069629	2.7248609	3706203770330	370620	3770330	0.0014172	0.0068378	0.0147648	0.0109741	0.0063128
7063037703:	370630	3770330	2.453970165	0.065034	2.5190045	3706303770330	370630	3770330	0.0013098	0.0063217	0.0136552	0.0101423	0.0058343
7061037703:	370610	3770340	3.824002322	0.079314	3.903316	3706103770340	370610	3770340	0.002041	0.0097817	0.0209699	0.0158046	0.0090916
7062037703:	370620	3770340	3.5091214	0.073625	3.5827467	3706203770340	370620	3770340	0.0018729	0.0089789	0.019255	0.0145032	0.008343
7063037703:	370630	3770340	3.23358695	0.068506	3.3020934	3706303770340	370630	3770340	0.0017259	0.008276	0.0177524	0.0133644	0.0076879
7061037703:	370610	3770350	5.619614872	0.084287	5.7039015	3706103770350	370610	3770350	0.0029994	0.0142733	0.030364	0.0232259	0.0133607
7062037703:	370620	3770350	5.103171959	0.077926	5.1810982	3706203770350	370620	3770350	0.0027238	0.0129659	0.027593	0.0210914	0.0121328
7063037703:	370630	3770350	4.60015378	0.072245	4.6723989	3706303770350	370630	3770350	0.0024553	0.0116942	0.0249012	0.0190124	0.0109369
7061037703:	370610	3770360	9.492759355	0.089784	9.5825433	3706103770360	370610	3770360	0.0050666	0.0239451	0.0505538	0.0392336	0.0225691
7062037703:	370620	3770360	8.089738374	0.082651	8.172389	3706203770360	370620	3770360	0.0043178	0.0204254	0.043168	0.0334349	0.0192334
7063037703:	370630	3770360	6.905251301	0.076335	6.9815866	3706303770360	370630	3770360	0.0036856	0.0174529	0.0369286	0.0285394	0.0164173
7061037703:	370610	3770370	16.09846449	0.095984	16.194448	3706103770370	370610	3770370	0.0085923	0.0404306	0.0849432	0.0665349	0.0382742
7062037703:	370620	3770370	12.78269198	0.087955	12.870647	3706203770370	370620	3770370	0.0068226	0.0321401	0.0676123	0.0528308	0.0303909
7063037703:	370630	3770370	10.3393088	0.080926	10.420235	3706303770370	370630	3770370	0.0055185	0.0260274	0.0548255	0.0427323	0.0245818
7061037703:	370610	3770380	23.95242418	0.102995	24.055419	3706103770380	370610	3770380	0.0127843	0.0600301	0.125826	0.0989953	0.056947
7062037703:	370620	3770380	18.62635254	0.094007	18.72036	3706203770380	370620	3770380	0.0099416	0.0467256	0.0980424	0.0769827	0.0442843
7063037703:	370630	3770380	14.72480329	0.086204	14.811007	3706303770380	370630	3770380	0.0078592	0.0369757	0.0776728	0.0608576	0.0350083
7061037703:	370610	3770390	31.74436269	0.111299	31.855662	3706103770390	370610	3770390	0.0169431	0.0794791	0.1664049	0.1311994	0.0754724
7062037703:	370620	3770390	24.81911072	0.10115	24.92026	3706203770390	370620	3770390	0.0132469	0.0621847	0.1303007	0.1025773	0.0590076
7063037703:	370630	3770390	19.55716128	0.092402	19.649563	3706303770390	370630	3770390	0.0104384	0.0490408	0.1028535	0.0808297	0.0464973
7062037704:	370620	3770400	30.77074215	0.109865	30.880607	3706203770400	370620	3770400	0.0164235	0.0770477	0.1613289	0.1271754	0.0731576
7063037704:	370630	3770400	24.43500511	0.09993	24.534935	3706303770400	370630	3770400	0.0130419	0.0612234	0.128289	0.1009898	0.0580944
7040137702:	370401	3770260	1.857606437	0.095135	1.9527417	3704013770260	370401	3770260	0.0009915	0.0049299	0.0109806	0.0076775	0.0044165
7041137702:	370411	3770260	1.906393879	0.094184	2.0005778	3704113770260	370411	3770260	0.0010175	0.0050485	0.0112206	0.0078791	0.0045325
7042137702:	370421	3770260	1.949833258	0.093135	2.0429685	3704213770260	370421	3770260	0.0010407	0.0051535	0.0114314	0.0080587	0.0046357
7043137702:	370431	3770260	1.985550686	0.091957	2.0775076	3704313770260	370431	3770260	0.0010598	0.0052388	0.0116004	0.0082063	0.0047207
7044137702:	370441	3770260	2.013819026	0.090663	2.1044822	3704413770260	370441	3770260	0.0010748	0.0053052	0.011729	0.0083231	0.0047879
7045137702:	370451	3770260	2.033655978	0.089242	2.1228976	3704513770260	370451	3770260	0.0010854	0.0053502	0.0118121	0.0084051	0.004835
7046137702:	370461	3770260	2.043451667	0.087669	2.1311203	3704613770260	370461	3770260	0.0010907	0.0053696	0.0118409	0.0084456	0.0048583
7047137702:	370471	3770260	2.04170536	0.085923	2.127628	3704713770260	370471	3770260	0.0010897	0.0053598	0.0118074	0.0084384	0.0048542
7040137702:	370401	3770270	2.096659449	0.102604	2.1992632	3704013770270	370401	3770270	0.0011191	0.0055493	0.0123267	0.0086655	0.0049848
7041137702:	370411	3770270	2.158789766	0.101636	2.260426	3704113770270	370411	3770270	0.0011522	0.0057011	0.0126357	0.0089223	0.0051325
7042137702:	370421	3770270	2.214835295	0.100562	2.3153976	3704213770270	370421	3770270	0.0011821	0.0058374	0.0129117	0.0091539	0.005265

7042137702f	370421	3770280	2.523849718	0.108876	2.6327256	3704213770280	370421	3770280	0.0013471	0.0066339	0.014633	0.0104311	0.0060005
7043137702f	370431	3770280	2.586143752	0.107645	2.693789	3704313770280	370431	3770280	0.0013803	0.0067853	0.0149392	0.0106885	0.0061486
7044137702f	370441	3770280	2.640879551	0.106287	2.7471662	3704413770280	370441	3770280	0.0014095	0.0069175	0.0152044	0.0109147	0.0062787
7045137702f	370451	3770280	2.684127928	0.104739	2.7888668	3704513770280	370451	3770280	0.0014326	0.0070204	0.0154073	0.0110935	0.0063815
7046137702f	370461	3770280	2.712969274	0.102966	2.8159352	3704613770280	370461	3770280	0.0014448	0.0070867	0.0155322	0.0112127	0.0064501
7047137702f	370471	3770280	2.717689759	0.100867	2.8185566	3704713770280	370471	3770280	0.0014505	0.0070919	0.0155272	0.0112322	0.0064613
7040137702s	370401	3770290	2.703883022	0.120371	2.8242544	3704013770290	370401	3770290	0.0014432	0.0071188	0.0157291	0.0111751	0.0064285
7041137702s	370411	3770290	2.802740351	0.119431	2.9221712	3704113770290	370411	3770290	0.0014959	0.0073623	0.0162293	0.0115837	0.0066635
7042137702s	370421	3770290	2.895158174	0.118386	3.0135439	3704213770290	370421	3770290	0.0015453	0.0075894	0.0166945	0.0119657	0.0068833
7043137702s	370431	3770290	2.97873532	0.117189	3.0959247	3704313770290	370431	3770290	0.0015899	0.0077939	0.0171117	0.0123111	0.0070782
7044137702s	370441	3770290	3.053471789	0.115825	3.1692972	3704413770290	370441	3770290	0.0016298	0.0079759	0.0174807	0.01262	0.0072596
7045137702s	370451	3770290	3.117757703	0.114258	3.2320155	3704513770290	370451	3770290	0.0016641	0.0081312	0.0177926	0.0128857	0.0074125
7046137702s	370461	3770290	3.164416835	0.112398	3.2768152	3704613770290	370461	3770290	0.0016899	0.0082417	0.0180088	0.0130785	0.0075234
7047137702s	370471	3770290	3.192166739	0.110236	3.302403	3704713770290	370471	3770290	0.0017038	0.0083041	0.0181225	0.0131932	0.0075894
7040137703c	370401	3770300	3.096774737	0.131096	3.2278704	3704013770300	370401	3770300	0.0016529	0.0081319	0.0179197	0.012799	0.0073626
7041137703c	370411	3770300	3.228375316	0.130316	3.3586908	3704113770300	370411	3770300	0.0017231	0.0084575	0.0185922	0.0133429	0.0076755
7042137703c	370421	3770300	3.346005442	0.129334	3.475339	3704213770300	370421	3770300	0.0017859	0.0087477	0.0191892	0.013829	0.0079551
7043137703c	370431	3770300	3.4543856	0.128188	3.5825732	3704313770300	370431	3770300	0.0018437	0.0090142	0.019736	0.014277	0.0082128
7044137703c	370441	3770300	3.553870508	0.126847	3.6807176	3704413770300	370441	3770300	0.0018968	0.009258	0.0202338	0.0146881	0.0084493
7045137703c	370451	3770300	3.64492403	0.125274	3.7701981	3704513770300	370451	3770300	0.0019454	0.00948	0.0206846	0.0150645	0.0086658
7046137703c	370461	3770300	3.718159766	0.123355	3.8415149	3704613770300	370461	3770300	0.0019845	0.0096565	0.0210379	0.0153671	0.0088399
7047137703c	370471	3770300	3.773250284	0.121072	3.8943226	3704713770300	370471	3770300	0.0020139	0.0097866	0.021292	0.0155948	0.0089709
7040137703s	370401	3770310	3.576408779	0.14342	3.7198288	3704013770310	370401	3770310	0.0019089	0.0093663	0.0205833	0.0147813	0.0085029
7041137703s	370411	3770310	3.749102137	0.142843	3.8919456	3704113770310	370411	3770310	0.002001	0.009795	0.0214719	0.015495	0.0089135
7042137703s	370421	3770310	3.905478443	0.142058	4.0475363	3704213770310	370421	3770310	0.0020845	0.0101823	0.022273	0.0161413	0.0092853
7043137703s	370431	3770310	4.044719114	0.141034	4.1857536	3704313770310	370431	3770310	0.0021588	0.0105262	0.0229817	0.0167168	0.0096163
7044137703s	370441	3770310	4.170807913	0.139743	4.3105505	3704413770310	370441	3770310	0.0022261	0.0108364	0.0236183	0.0172379	0.0099161
7045137703s	370451	3770310	4.296869426	0.138216	4.4350859	3704513770310	370451	3770310	0.0022934	0.0111458	0.0242515	0.017759	0.0102158
7046137703s	370461	3770310	4.412998819	0.136305	4.5493035	3704613770310	370461	3770310	0.0023554	0.0114293	0.0248278	0.0182389	0.0104919
7047137703s	370471	3770310	4.504789064	0.133872	4.6386614	3704713770310	370471	3770310	0.0024044	0.0116504	0.0252703	0.0186183	0.0107102
7040137703s	370401	3770320	4.169634613	0.157627	4.3272619	3704013770320	370401	3770320	0.0022255	0.0108898	0.0238631	0.0172331	0.0099133
7041137703s	370411	3770320	4.381046864	0.157225	4.5382723	3704113770320	370411	3770320	0.0023383	0.0114155	0.0249553	0.0181069	0.010416
7042137703s	370421	3770320	4.580726118	0.15671	4.7374363	3704213770320	370421	3770320	0.0024449	0.0119116	0.0259849	0.0189321	0.0108907
7043137703s	370431	3770320	4.763951888	0.155977	4.9199287	3704313770320	370431	3770320	0.0025427	0.012366	0.0269261	0.0196894	0.0113263
7044137703s	370441	3770320	4.934162217	0.154941	5.089103	3704413770320	370441	3770320	0.0026335	0.012787	0.0277955	0.0203929	0.011731
7045137703s	370451	3770320	5.109365891	0.153591	5.2629571	3704513770320	370451	3770320	0.0027271	0.0132195	0.0286863	0.021117	0.0121475
7046137703s	370461	3770320	5.281213382	0.151743	5.432956	3704613770320	370461	3770320	0.0028188	0.0136421	0.0295528	0.0218272	0.0125561
7047137703s	370471	3770320	5.446375793	0.149285	5.5956607	3704713770320	370471	3770320	0.0029069	0.014046	0.030376	0.0225099	0.0129488
7040137703s	370401	3770330	4.908131333	0.174009	5.0821406	3704013770330	370401	3770330	0.0026197	0.0127822	0.0279277	0.0202853	0.0116691
7041137703s	370411	3770330	5.186339815	0.174038	5.3603779	3704113770330	370411	3770330	0.0027681	0.0134758	0.0293728	0.0214351	0.0123306
7042137703s	370421	3770330	5.441109587	0.173946	5.6150558	3704213770330	370421	3770330	0.0029041	0.0141105	0.0306945	0.0224881	0.0129363
7043137703s	370431	3770330	5.670557912	0.173642	5.8441996	3704313770330	370431	3770330	0.0030266	0.0146815	0.0318817	0.0234364	0.0134818
7044137703s	370441	3770330	5.887672946	0.173029	6.0607021	3704413770330	370441	3770330	0.0031425	0.0152208	0.0330006	0.0243337	0.013998
7045137703s	370451	3770330	6.124543074	0.172056	6.2965992	3704513770330	370451	3770330	0.0032689	0.0158082	0.034217	0.0253127	0.0145611
7046137703s	370461	3770330	6.391455135	0.170532	6.5619869	3704613770330	370461	3770330	0.0034114	0.0164687	0.0355816	0.0264159	0.0151957
7047137703s	370471	3770330	6.670454912	0.168162	6.8386173	3704713770330	370471	3770330	0.0035603	0.0171567	0.0369972	0.027569	0.015859
7040137703s	370401	3770340	5.888136809	0.193215	6.0813515	3704013770340	370401	3770340	0.0031427	0.0152855	0.0332861	0.0243357	0.0139991
7041137703s	370411	3770340	6.229103186	0.193716	6.4228188	3704113770340	370411	3770340	0.0033247	0.016137	0.0350637	0.0257449	0.0148097
7042137703s	370421	3770340	6.550341756	0.194231	6.7445727	3704213770340	370421	3770340	0.0034962	0.0169393	0.0367391	0.0270725	0.0155735
7043137703s	370431	3770340	6.826694787	0.19466	7.0213546	3704313770340	370431	3770340	0.0036437	0.0176296	0.0381802	0.0282147	0.0162305
7044137703s	370441	3770340	7.088313355	0.194768	7.2830812	3704413770340	370441	3770340	0.0037833	0.018282	0.0395402	0.029296	0.0168525
7045137703s	370451	3770340	7.407369042	0.194564	7.6019333	3704513770340	370451	3770340	0.0039536	0.0190767	0.0411942	0.0306146	0.0176111
7046137703s	370461	3770340	7.811448034	0.19375	8.0051979	3704613770340	370461	3770340	0.0041693	0.0200814	0.0432811	0.0322847	0.0185718
7047137703s	370471	3770340	8.23554981	0.191644	8.4271985	3704713770340	370471	3770340	0.0043956	0.0211319	0.0454539	0.0340375	0.0195801
7040137703s	370401	3770350	7.164741558	0.215631	7.3803725	3704013770350	370401	3770350	0.0038241	0.0185382	0.0402297	0.0296119	0.0170342
7041137703s	370411	3770350	7.61294208	0.216863	7.8298055	3704113770350	370411	3770350	0.0040633	0.0196593	0.0425745	0.0314643	0.0180998
7042137703s	370421	3770350	7.999612578	0.21831	8.2179228	3704213770350	370421	3770350	0.0042697	0.0206277	0.0446027	0.0330624	0.0190191
7043137703s	370431	3770350	8.335039889	0.219901	8.5549411	3704313770350	370431	3770350	0.0044487	0.0214688	0.0463668	0.0344487	0.0198166
7044137703s	370441	3770350	8.657779191	0.221298	8.8790768	3704413770350	370441	3770350	0.004621	0.0222777	0.0480623	0.0357826	0.0205839
7045137703s	370451	3770350	9.042266805	0.22237	9.2646365	3704513770350	370451	3770350	0.0048262	0.0232395	0.0500074	0.0373717	0.021498
7046137703s	370461	3770350	9.545257699	0.222685	9.7679427	3704613770350	370461	3770350	0.0050947	0.0244943	0.0526903	0.0394505	0.0226939
7047137703s	370471	3770350	10.22271554	0.221638	10.444354	3704713770350	370471	3770350	0.0054562	0.0261797	0.0561936	0.0422505	0.0243046
7040137703s	370401	3770360	8.897023205	0.242071	9.1390939	3704013770360	370401	3770					

7034037702f	370340	3770260	1.495629807	0.09933	1.5949597	3703403770260	370340	3770260	0.0007983	0.0040408	0.0091597	0.0061814	0.0035559
7035037702f	370350	3770260	1.559151712	0.098831	1.6579825	3703503770260	370350	3770260	0.0008322	0.0041976	0.0094826	0.006444	0.0037069
7036037702f	370360	3770260	1.621418459	0.098236	1.7196547	3703603770260	370360	3770260	0.0008654	0.0043509	0.0097976	0.0067013	0.0038549
7037037702f	370370	3770260	1.682457335	0.097579	1.7800359	3703703770260	370370	3770260	0.000898	0.004501	0.0101053	0.0069536	0.0040001
7034037702f	370340	3770270	1.646276043	0.10671	1.7529861	3703403770270	370340	3770270	0.0008787	0.0044395	0.0100455	0.0068041	0.0039914
7035037702f	370350	3770270	1.723468255	0.106209	1.8296774	3703503770270	370350	3770270	0.0009199	0.0046304	0.0104393	0.0071231	0.0040976
7036037702f	370360	3770270	1.800496751	0.105651	1.9061474	3703603770270	370360	3770270	0.000961	0.0048206	0.0108315	0.0074414	0.0042807
7037037702f	370370	3770270	1.876324661	0.105016	1.981341	3703703770270	370370	3770270	0.0010015	0.0050077	0.0112164	0.0077548	0.004461
7034037702f	370340	3770280	1.815504074	0.114897	1.9304016	3703403770280	370340	3770280	0.000969	0.0048872	0.0110391	0.0075035	0.0043164
7035037702f	370350	3770280	1.910159353	0.114431	2.0245902	3703503770280	370350	3770280	0.0010195	0.0051216	0.0115241	0.0078947	0.0045414
7036037702f	370360	3770280	2.004650916	0.113883	2.118534	3703603770280	370360	3770280	0.00107	0.0053554	0.0120071	0.0082852	0.0047661
7037037702f	370370	3770280	2.098214753	0.113265	2.2114798	3703703770280	370370	3770280	0.0011199	0.0055867	0.0124843	0.0086719	0.0049885
7034037702f	370340	3770290	2.006642797	0.124063	2.1307061	3703403770290	370340	3770290	0.001071	0.0053925	0.0121602	0.0082935	0.0047708
7035037702f	370350	3770290	2.123099623	0.123634	2.2467341	3703503770290	370350	3770290	0.0011332	0.0056814	0.0127589	0.0087748	0.0050477
7036037702f	370360	3770290	2.240675177	0.123144	2.3638195	3703603770290	370360	3770290	0.0011959	0.0059729	0.0133626	0.0092607	0.0053272
7037037702f	370370	3770290	2.356859143	0.122555	2.4794143	3703703770290	370370	3770290	0.0012579	0.0062607	0.0139577	0.0097409	0.0056034
7034037703f	370340	3770300	2.223102966	0.134373	2.3574762	3703403770300	370340	3770300	0.0011866	0.0059645	0.0134289	0.0091881	0.0052854
7035037703f	370350	3770300	2.367473413	0.134002	2.5014754	3703503770300	370350	3770300	0.0012636	0.0063232	0.0141733	0.0097848	0.0056287
7036037703f	370360	3770300	2.513453736	0.133546	2.6469999	3703603770300	370360	3770300	0.0013415	0.0066856	0.014925	0.0103881	0.0059758
7037037703f	370370	3770300	2.660252641	0.133054	2.7933069	3703703770300	370370	3770300	0.0014199	0.00705	0.0156804	0.0109948	0.0063248
7034037703f	370340	3770310	2.46848634	0.14602	2.6145064	3703403770310	370340	3770310	0.0013175	0.0066128	0.0148664	0.0102022	0.0058688
7035037703f	370350	3770310	2.648710645	0.145723	2.7944334	3703503770310	370350	3770310	0.0014137	0.0070611	0.0157982	0.0109471	0.0062973
7036037703f	370360	3770310	2.832891427	0.145355	2.9782466	3703603770310	370360	3770310	0.001512	0.0075191	0.0167494	0.0117083	0.0067352
7037037703f	370370	3770310	3.019009518	0.144955	3.1639647	3703703770310	370370	3770310	0.0016114	0.0079817	0.0177103	0.0124776	0.0071777
7034037703f	370340	3770320	2.747731691	0.159301	2.9070328	3703403770320	370340	3770320	0.0014666	0.0073507	0.0165028	0.0113564	0.0065327
7035037703f	370350	3770320	2.974969847	0.159087	3.1340566	3703503770320	370350	3770320	0.0015879	0.0079164	0.0176798	0.0122955	0.007073
7036037703f	370360	3770320	3.210230099	0.158829	3.3690592	3703603770320	370360	3770320	0.0017134	0.0085021	0.0188979	0.0132679	0.0076323
7037037703f	370370	3770320	3.449637829	0.158555	3.608193	3703703770320	370370	3770320	0.0018412	0.009098	0.0201372	0.0142573	0.0082015
7034037703f	370340	3770330	3.063158334	0.174451	3.2376091	3703403770330	370340	3770330	0.0016349	0.0081846	0.0183532	0.01266	0.0072827
7035037703f	370350	3770330	3.352908811	0.174366	3.5272749	3703503770330	370350	3770330	0.0017896	0.0089066	0.0198567	0.0138576	0.0079716
7036037703f	370360	3770330	3.658648909	0.174258	3.8329068	3703603770330	370360	3770330	0.0019528	0.0096684	0.0214428	0.0151212	0.0086985
7037037703f	370370	3770330	3.973447973	0.174171	4.1476194	3703703770330	370370	3770330	0.0021208	0.0104528	0.0230763	0.0164223	0.0094469
7034037703f	370340	3770340	3.418149737	0.191917	3.6100672	3703403770340	370340	3770340	0.0018244	0.0091245	0.0204416	0.0141272	0.0081267
7035037703f	370350	3770340	3.791013497	0.191977	3.9829904	3703503770340	370350	3770340	0.0020234	0.0100541	0.0223787	0.0156682	0.0090132
7036037703f	370360	3770340	4.195119776	0.192054	4.3871741	3703603770340	370360	3770340	0.0022391	0.0110617	0.0244782	0.0173384	0.0099739
7037037703f	370370	3770340	4.622719336	0.192213	4.8149323	3703703770340	370370	3770340	0.0024673	0.012128	0.0267009	0.0191057	0.0109905
7034037703f	370340	3770350	3.811641745	0.212204	4.0238457	3703403770350	370340	3770350	0.0020344	0.0101692	0.0227695	0.0157535	0.0090622
7035037703f	370350	3770350	4.29332224	0.212422	4.5057442	3703503770350	370350	3770350	0.0022915	0.0113706	0.0252739	0.0177443	0.0102074
7036037703f	370360	3770350	4.836996622	0.212732	5.0497285	3703603770350	370360	3770350	0.0025817	0.0127267	0.0281014	0.0199913	0.0115
7037037703f	370370	3770350	5.427930428	0.213164	5.6410947	3703703770350	370370	3770350	0.0028971	0.0142011	0.0311761	0.0224336	0.0129049
7034037703f	370340	3770360	4.236758276	0.236006	4.4727641	3703403770360	370340	3770360	0.0022613	0.0113038	0.0253109	0.0175105	0.0100729
7035037703f	370350	3770360	4.858989172	0.236415	5.095404	3703503770360	370350	3770360	0.0025934	0.0128561	0.0285478	0.0200822	0.0115523
7036037703f	370360	3770360	5.6041164	0.23704	5.8411564	3703603770360	370360	3770360	0.0029911	0.0147155	0.0324259	0.0231618	0.0133238
7037037703f	370370	3770360	6.445617928	0.237784	6.6834021	3703703770360	370370	3770360	0.0034403	0.0168154	0.0368061	0.0266397	0.0153245
7034037703f	370340	3770370	4.675517827	0.264229	4.9397471	3703403770370	370340	3770370	0.0024955	0.0124863	0.0279851	0.0193239	0.0111161
7035037703f	370350	3770370	5.465748882	0.264856	5.7306052	3703503770370	370350	3770370	0.0029173	0.0144581	0.0320975	0.0225899	0.0129949
7036037703f	370360	3770370	6.452030148	0.265723	6.7177531	3703603770370	370360	3770370	0.0034437	0.0169193	0.0372313	0.0266662	0.0153397
7037037703f	370370	3770370	7.643393303	0.266853	7.910246	3703703770370	370370	3770370	0.0040796	0.0198926	0.0434337	0.0315901	0.0181722

**9600 Wilshire BLVD Specific Plan - Unmitigated**

**Maximum Individual Non-Cancer Impact Calculations - Sensitive Receptors (Maximum Impacted Senior Residential Receptor) (IMPACT AT ALL OTHER LOCATIONS ON THE PROJECT SITE WOULD BE LESS THAN SHOWN)**

**Maximum Non-cancer Chronic Hazards / Toxicological Endpoints\***

Receptor Group	Pollutant	CREL <sup>1</sup>	CONC	WFrac	CONC <sub>WF</sub>	HI		ALIM	BN	CVS	DEV	ENDC	EYE	HEM	IMMUN	KIDN	NS	REPRO	RESP	SK
<b>Project:</b>																				
MEI - Max	DPM	5.00E+00	1.66E-01	1.00E+00	1.66E-01	0.033		-	-	-	-	-	-	-	-	-	-	-	3.33E-02	-
							<b>Total Risk</b>													
							<b>Threshold</b>				1.00			1.00				1.00	1.00	
							<b>Over?</b>				NO			NO				NO	NO	

Notes:

- California Air Resources Board, "Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values," "OEHHA/ARB Approved Chronic Reference Exposure Levels and Target Organs," "OEHHA/ARB Approved Acute Reference Exposure Levels and Target Organs," and "OEHHA/ARB Approved 8-Hour Reference Exposure Levels and Target Organs," <http://www.arb.ca.gov/toxics/healthval/healthval.htm>. Tables last updated: May 8, 2018. Downloaded: 08/14/18.

Source: ESA, 2020

Where:

CONC <sub>WF</sub>	Pollutant Concentration (µg/m <sup>3</sup> ) multiplied by the weight fraction
CREL	Chronic Reference Exposure Level
HI	Hazard Index
MEI	Maximally Exposed Individual
WFrac	Weight fraction of speciated component

\* Key to Toxicological Endpoints

ALIM	Alimentary Tract	EYE	Eye	NS	Nervous System
BN	Bone	HEM	Hematologic System	REPRO	Reproductive System
CVS	Cardiovascular System	IMMUN	Immune System	RESP	Respiratory System
DEV	Developmental System	KIDN	Kidney	SK	Skin
ENDC	Endocrine System				

XY	X	Y	CONC Construction Area	Conc Haul Route
3705003770265	370500	3770265	0.77872	0.46111
3705103770265	370510	3770265	0.76127	0.44718
3705203770265	370520	3770265	0.73864	0.43231
3705303770265	370530	3770265	0.71283	0.41689
3705403770265	370540	3770265	0.68177	0.40074
3705503770265	370550	3770265	0.6494	0.38451
3705603770265	370560	3770265	0.61437	0.36811
3705703770265	370570	3770265	0.57769	0.35176
3705003770275	370500	3770275	0.90174	0.49871
3705103770275	370510	3770275	0.88296	0.48322
3705203770275	370520	3770275	0.85592	0.46639
3705303770275	370530	3770275	0.8232	0.4487
3705403770275	370540	3770275	0.78256	0.43006
3705503770275	370550	3770275	0.74214	0.41156
3705603770275	370560	3770275	0.69822	0.39289
3705703770275	370570	3770275	0.65262	0.37435
3705003770285	370500	3770285	1.05652	0.5421
3705103770285	370510	3770285	1.03632	0.52461
3705203770285	370520	3770285	1.00294	0.50527
3705303770285	370530	3770285	0.96563	0.48523
3705403770285	370540	3770285	0.90898	0.4633
3705503770285	370550	3770285	0.85899	0.44213
3705603770285	370560	3770285	0.80613	0.42098
3705703770285	370570	3770285	0.74939	0.39989
3705003770295	370500	3770295	1.25313	0.5925
3705103770295	370510	3770295	1.23155	0.57248
3705203770295	370520	3770295	1.19485	0.5504
3705303770295	370530	3770295	1.14457	0.52679
3705403770295	370540	3770295	1.07071	0.50124
3705503770295	370550	3770295	1.00749	0.47671
3705603770295	370560	3770295	0.93694	0.45201
3705703770295	370570	3770295	0.86297	0.42763
3705003770305	370500	3770305	1.51103	0.65205
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375560375	375560	3756660
375580375	375580	3756660
375600375	375600	3756660
375620375	375620	3756660
375640375	375640	3756660
375660375	375660	3756660

375680375	375680	3756660
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375740375	375740	3756660
375760375	375760	3756660
375780375	375780	3756660
375540375	375540	3756680
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375580375	375580	3756680
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375680375	375680	3756680
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375364375	375364	3757020
375384375	375384	3757020
375404375	375404	3757020
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375444375	375444	3757020
375464375	375464	3757020
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375504375	375504	3757020
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375584375	375584	3757020
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375664375	375664	3757020
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375764375	375764	3757020
375784375	375784	3757020
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375384375	375384	3757040
375404375	375404	3757040
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375444375	375444	3757040
375464375	375464	3757040
375484375	375484	3757040
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375564375	375564	3757040
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375624375	375624	3757040
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375664375	375664	3757040
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375724375	375724	3757040
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375764375	375764	3757040
375784375	375784	3757040
375344375	375344	3757060
375364375	375364	3757060
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375464375	375464	3757060
375484375	375484	3757060
375504375	375504	3757060
375524375	375524	3757060
375544375	375544	3757060
375564375	375564	3757060
375584375	375584	3757060
375604375	375604	3757060
375624375	375624	3757060
375644375	375644	3757060
375664375	375664	3757060
375684375	375684	3757060
375704375	375704	3757060
375724375	375724	3757060
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375764375	375764	3757060
375784375	375784	3757060
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375364375	375364	3757080
375384375	375384	3757080
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375444375	375444	3757080
375464375	375464	3757080
375484375	375484	3757080
375504375	375504	3757080
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375564375	375564	3757080
375584375	375584	3757080
375604375	375604	3757080
	375624	3757080
	375644	3757080
	375664	3757080

375684	3757080
375704	3757080
375724	3757080
375744	3757080
375764	3757080
375784	3757080
375344	3757100
375364	3757100
375384	3757100
375404	3757100
375424	3757100
375444	3757100
375464	3757100
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375504	3757100
375524	3757100
375544	3757100
375564	3757100
375584	3757100
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375624	3757100
375644	3757100
375664	3757100
375684	3757100
375704	3757100
375724	3757100
375744	3757100
375764	3757100
375784	3757100



# 9600 Wilshire BLVD Specific Plan Mitigated

## Construction Modeling Assumptions

### AERMOD Sources

<u>PolyArea</u>		
<b>Offroad Construction Exhaust</b>		
Release Height	5	m
Emissions rate	1	g/s
Init Vert Dimension	1.4	m
SCAQMD LST Guidance, 2008		
<u>Line Volume</u>		
<b>Onroad Hauling Exhaust</b>		
Vehicle Height	14	ft
Plume Height	7.25	m
Plume Width	16	m
Release Height	3.63	m
Emissions rate	1	g/s
<a href="#">EPA Haul Road Guidance &amp; Caltrans Heigh &amp; Low Clearance Guidance[1]</a>		

[1] USEPA Haul Road Workgroup Final Report Dec 6, 2011, Page 4.

[https://www.epa.gov/sites/default/files/2020-10/documents/haul\\_road\\_workgroup-final\\_report\\_package-20120302.pdf](https://www.epa.gov/sites/default/files/2020-10/documents/haul_road_workgroup-final_report_package-20120302.pdf)

### Meteorology:

Santa Monica Airport

SCAQMD AERMOD Table 1, Meteorological Stations & Years of Meteorological Data Available

<https://www.aqmd.gov/home/air-quality/meteorological-data/aermod-table-1>

### AERMOD Sources

## 9600 Wilshire BLVD Specific Plan Mitigated

### Health Risk Assessment Risk Factors

Residential Risk	Abbreviation	UOM	3rd Trimester	0<2	2<16	16<30
Daily Breathing Rate (95th %'ile)	DBR	L/kg-day	361	1090	572	261
Fraction Of Time At Home <sup>a</sup>	FAH	unitless	1	1	1	0.73
Exposure Frequency	EF	days/year	0.96	0.96	0.96	0.96
Age Sensitivity Factor	ASF	unitless	10	10	3	1
Inhalation Absorption Factor	A	unitless	1	1	1	1
Conversion Factor	CF <sub>1</sub>	m <sup>3</sup> /L	0.001	0.001	0.001	0.001
Conversion Factor	CF <sub>2</sub>	µg/m <sup>3</sup>	0.001	0.001	0.001	0.001
Cancer Potency Factor (diesel exhaust)	CPF	mg/kg-day <sup>-1</sup>	1.1	1.1	1.1	1.1
Averaging Time (for residential exposure)	AT	years	70.00	70.00	70.00	70.00

<sup>a</sup> assume school or daycare will have cancer risk of >1 per million

## 9600 Wilshire BLVD Specific Plan Mitigated

Health Risk Assessment Exposure Duration Assumptions for Offroad Equipment  
Residential Receptors

OFFROAD

Start Date 8/1/2024 10/31/2024 11/1/2026  
End Date 10/30/2024 10/31/2026 10/28/2040

	8/1/2024	9/30/2028	Days	90	730	5110
Phase	Start Date	End Date	Duration (days)	3rd Tri	0<2	02<16
Utility Relocation -2024	8/1/2024	12/31/2024	153	91	62	0
Utility Relocation -2025	1/1/2025	9/30/2025	273	0	273	0
Demolition	10/1/2025	11/30/2025	61	0	61	0
Excavation - 2025	12/1/2025	12/31/2025	31	0	31	0
Excavation - 2025 Haul	12/1/2025	12/31/2025	31	0	31	0
Excavation - 2026	1/1/2026	12/31/2026	365	0	304	61
Excavation - 2026 Haul	1/1/2026	5/31/2026	151	0	151	0
Excavation - 2027	1/1/2027	3/31/2027	90	0	0	90
Building Construction - 2027	4/1/2027	12/31/2027	275	0	0	275
Building Construction - 2028	1/1/2028	7/31/2028	213	0	0	213
Paving	8/1/2028	9/30/2028	61	0	0	61

Intake Factor for Inhalation, IF (m <sup>3</sup> /kg-day)					
Phase	Year	Equation	3rd Trimester	0<2	2<16
Utility Relocation -2024	2024		0.012329142	0.025363108	0
Utility Relocation -2025	2025	$DBR \cdot FAH \cdot EF \cdot ED \cdot ASF \cdot A \cdot CF_1$	0	0.11167949	0
Demolition	2025	$AT$	0	0.024954025	0
Excavation - 2025	2025		0	0.012681554	0
Excavation - 2025 Haul	2025		0	0.012681554	0
Excavation - 2026	2026		0	0.124361043	0.003933032
Excavation - 2026 Haul	2026		0	0.061771439	0
Excavation - 2027	2027		0	0	0.005802834
Building Construction - 2027	2027		0	0	0.017730881
Building Construction - 2028	2028		0	0	0.013733373
Paving	2028		0	0	0.003933032

### Risk Calculation Part 1, R1

Equation	3rd Trimester	0<2	2<16
	1.35621E-05	2.78994E-05	0
$IF \cdot CPF \cdot CF_2$	0	0.000122847	0
	0	2.74494E-05	0
	0	1.39497E-05	0
	0	1.39497E-05	0
	0	0.000136797	4.326E-06
	0	6.79486E-05	0
	0	0	6.383E-06
	0	0	1.95E-05
	0	0	1.511E-05
	0	0	4.326E-06

**9600 Wilshire BLVD Specific Plan Mitigated**

Offroad DPM Emissions, Ground Level Concentrations and Health Risk Calculations  
Residential Receptors

Phase	Year	Emissions (lbs/day)	Work Hours Per Day	Emissions (g/s)
Utility Relocation - 2024	2024	0.10572949082556278	10	0.001332162
Utility Relocation - 2025	2025	0.17368467993796838	10	0.002188379
Demolition	2025	0.12921258470142014	10	0.001628043
Excavation - 2025	2025	0.01691917961700275	10	0.000213177
Excavation - 2025 Haul	2025	0.000	10	0
Excavation - 2026	2026	0.19920969549051623	10	0.002509987
Excavation - 2026 Haul	2026	0.000	10	0
Excavation - 2027	2027	0.0491201988880725	10	0.000618901
Building Construction - 2027	2027	0.16272944729279876	10	0.002050346
Building Construction - 2028	2028	0.12049377515788516	10	0.001518188
Paving	2028	0.029939114738504156	10	0.000377225

Max x utm y utm  
9.242661214 370610 3770390

AERMOD Column Identifier: 4 4 4 4 4 4 4 4 4 4

Unique Identifier	X (UTM)	Y (UTM)	Utility Relocation - 2024		Utility Relocation - 2025		Demolition		Excavation - 2025		Excavation - 2025 Haul		Excavation - 2026		Excavation - 2026 Haul		Excavation - 2027		Building Construction - 2027		Building Construction - 2028		Paving		Child Risk			
			2024	2025	2025	2025	2025	2025	2025	2025	2026	2026	2027	2027	2027	2028	2028	2028	3rd Trimester	0<2	2<16	Total	per million					
3705003770265	370500	3770265	0.001037381	0.001704134	0.001267789	0.000166005	0	0.001954577	0	0.00048195	0.001596645	0.001182243	0.000293752	1.4069E-08	5.42787E-07	6.18041E-08	6.1866E-07	0.6186604	370500	3770265								
3705103770265	370510	3770265	0.001014135	0.001665947	0.00123938	0.000162285	0	0.00041910778	0	0.000471151	0.001560867	0.001155751	0.00028717	1.37538E-08	5.30624E-07	6.04192E-08	6.04797E-07	0.6047971	370510	3770265								
3705203770265	370520	3770265	0.000983988	0.001616424	0.001202537	0.000157461	0	0.0001853977	0	0.000457145	0.001514467	0.001123394	0.000278633	1.33449E-08	5.1485E-07	5.86231E-08	5.86818E-07	0.5868185	370520	3770265								
3705303770265	370530	3770265	0.000949605	0.001559942	0.001160518	0.000151959	0	0.000441171	0	0.000441171	0.001461548	0.00108221	0.000268897	1.28786E-08	4.9686E-07	5.65747E-08	5.66314E-07	0.5663135	370530	3770265								
3705403770265	370540	3770265	0.000908228	0.001491971	0.00109951	0.000145338	0	0.001711234	0	0.000421948	0.001397864	0.001035055	0.00025718	1.23174E-08	4.75211E-07	5.41095E-08	5.41638E-07	0.5416377	370540	3770265								
3705503770265	370550	3770265	0.000865106	0.001421133	0.001057251	0.000138437	0	0.001629985	0	0.00041914	0.001331495	0.000985911	0.00024497	1.17326E-08	4.52648E-07	5.15405E-08	5.15921E-07	0.515921	370550	3770265								
3705603770265	370560	3770265	0.000818441	0.001344474	0.001000221	0.00013097	0	0.001542061	0	0.000380234	0.001259671	0.000927729	0.000231755	1.10997E-08	4.28231E-07	4.87603E-08	4.88091E-07	0.4880912	370560	3770265								
3705703770265	370570	3770265	0.000769577	0.001264205	0.000940504	0.00012315	0	0.001449994	0	0.000357533	0.001184464	0.000877042	0.000217919	1.0437E-08	4.02664E-07	4.58491E-08	4.5895E-07	0.4589505	370570	3770265								
3705803770265	370580	3770265	0.001201264	0.001973349	0.001468071	0.00019223	0	0.002263356	0	0.000558088	0.001848879	0.001369011	0.000340158	1.62916E-08	6.28535E-07	7.15677E-08	7.16395E-07	0.7163946	370580	3770265								
3705903770265	370590	3770265	0.001932251	0.001437497	0.000188227	0	0.002216218	0	0.000546465	0.001810373	0.001340499	0.000333074	1.59523E-08	6.15445E-07	7.00772E-08	7.01475E-07	0.7014747	370590	3770265									
3706003770265	370600	3770265	0.001176246	0.001873077	0.001393474	0.000182462	0	0.002148348	0	0.00052973	0.001754932	0.001299448	0.000322874	1.54638E-08	5.96598E-07	6.79312E-08	6.79993E-07	0.6799925	370600	3770265								
3706103770265	370610	3770265	0.001096636	0.001801473	0.001340205	0.000175487	0	0.002066221	0	0.000509479	0.001687845	0.001249772	0.000310531	1.48726E-08	5.73791E-07	6.53343E-08	6.53988E-07	0.6539879	370610	3770265								
3706203770265	370620	3770265	0.001042497	0.001712538	0.001274041	0.000166824	0	0.001964215	0	0.000484327	0.001604519	0.001188073	0.000295201	1.41384E-08	5.45464E-07	6.21089E-08	6.21711E-07	0.6217111	370620	3770265								
3706303770265	370630	3770265	0.000988651	0.001624083	0.001208236	0.000158207	0	0.001862762	0	0.000459311	0.001521644	0.001126708	0.000279953	1.34081E-08	5.1729E-07	5.89009E-08	5.89599E-07	0.5895991	370630	3770265								
3706403770265	370640	3770265	0.000930142	0.00152797	0.001136732	0.000148844	0	0.001752523	0	0.000431229	0.001431592	0.001060029	0.000263386	1.26146E-08	4.86677E-07	5.54151E-08	5.54706E-07	0.5547065	370640	3770265								
3706503770265	370650	3770265	0.000869396	0.00142818	0.001043007	0.000139124	0	0.001638068	0	0.000403907	0.001338097	0.001009908	0.000246184	1.17908E-08	4.54892E-07	5.1796E-08	5.18479E-07	0.5184792	370650	3770265								
3706603770265	370660	3770265	0.001407456	0.002312066	0.00172006	0.000225226	0	0.002651851	0	0.000653881	0.002166231	0.001603996	0.000398545	1.9088E-08	7.36421E-07	8.3852E-08	8.39361E-07	0.8393608	370660	3770265								
3706703770265	370670	3770265	0.001380546	0.002267861	0.001687173	0.00022092	0	0.00260115	0	0.000641379	0.002124814	0.001573329	0.000390925	1.8723E-08	7.22341E-07	8.22489E-08	8.23313E-07	0.8233128	370670	3770265								
3706803770265	370680	3770265	0.001336079	0.002194813	0.001632829	0.000213804	0	0.002517366	0	0.00062072	0.002056374	0.001522652	0.000378334	1.812E-08	6.99074E-07	7.95966E-08	7.96794E-07	0.7967937	370680	3770265								
3706903770265	370690	3770265	0.001286376	0.002113164	0.001572087	0.00020585	0	0.002423719	0	0.000597629	0.001979875	0.001466008	0.000364259	1.74459E-08	6.73068E-07	6.66384E-08	6.67153E-07	0.6715325	370690	3770265								
3707003770265	370700	3770265	0.001210909	0.001989192	0.001479858	0.000193774	0	0.002281528	0	0.000562569	0.001863727	0.001380003	0.00034289	1.64242E-08	6.33582E-07	7.21424E-08	7.22146E-07	0.7221465	370700	3770265								
3707103770265	370710	3770265	0.001144314	0.001879795	0.001398472	0.000183117	0	0.002156054	0	0.00053163	0.001761227	0.001304108	0.000324032	1.55193E-08	5.98737E-07	6.81748E-08	6.82432E-07	0.6824315	370710	3770265								
3707203770265	370720	3770265	0.001073896	0.001764118	0.001312414	0.000171848	0	0.002023376	0	0.000498915	0.001652845	0.001223857	0.000304092	1.45642E-08	5.61893E-07	6.39795E-08	6.40436E-07	0.6404365	370720	3770265								
3707303770265	370730	3770265	0.000998309	0.001639949	0.001220039	0.000159753	0	0.001880959	0	0.000463798	0.001536209	0.001137715	0.000282688	1.35391E-08	5.23791E-07	5.94763E-08	5.95395E-07	0.5953959	370730	3770265								
3707403770265	370740	3770265	0.001669372	0.002742323	0.002040149	0.000267138	0	0.003145344	0	0.000775563	0.00256935	0.001902847	0.000477211	2.26401E-08	8.73463E-07	9.94563E-08	9.95595E-07	0.9955592	370740	3770265								
3707503770265	370750	3770265	0.001640624	0.002695998	0.002050516	0.000262538	0	0.003091174	0	0.000762207	0.002525103	0.001869725	0.000464571	2.22502E-08	8.58421E-07	9.77435E-08	9.78415E-07	0.9784148	370750	3770265								
3707603770265	370760	3770265	0.001591734	0.002614784	0.001945267	0.000254714	0	0.002999058	0	0.000739944	0.002449856	0.001814007	0.000450727	2.15872E-08	8.3284E-07	9.48308E-08	9.49258E-07	0.9492582	370760	3770265								
3707703770265	370770	3770265	0.001524753	0.002504753	0.001863409	0.000243996	0	0.002872856	0	0.000708375	0.002346764	0.001737673	0.000431176	2.06788E-08	7.97794E-07	9.08402E-08	9.09313E-07	0.9093128	370770	3770265								
3707803770265	370780	3770265	0.001436359	0.002343119	0.001743162	0.000228251	0	0.002687468	0	0.000662663	0.002195326	0.001625539	0.000403898	1.93444E-08	7.46312E-07	8.49783E-08	8.50634E-07	0.8506342	370780	3770265								
3707903770265	370790	3770265	0.00134214	0.002210477	0.001640237	0.000214774	0	0.002528787	0	0.000623356	0.002065703	0.001529559	0.000380005	1.82022E-08	7.02246E-07	7.99607E-08	8.00409E-07	0.8004805	370790	3770265								
3708003770265	370800	3770265	0.001248156	0.00205038	0.001525378	0.000199734	0	0.002351707	0	0.000579873	0.001921051	0.001422451	0.000353437	1.69276E-08	6.53071E-07	7.43614E-08	7.44366E-07	0.7443595	370800	3770265								
3708103770265	370810	3770265	0.001888505	0.001149616	0.001888505	0.000183965	0	0.0021166043	0	0.000534093	0.001769387	0.001310151	0.000325533	1.55912E-08	6.01512E-07	6.84907E-08	6.85593E-07	0.6855934	370810	3770265								
3708203770265	370820	3770265	0.002012937	0.003306706	0.002460021	0.000322117	0	0.003792665	0	0.000935178	0.003098134	0.002294028	0.000569998	2.72996E-08	1.05323E-06	1.19925E-07	1.20045E-06	1.2004499	370820	3770265								
3708303770265	370830	3770265	0.001984602	0.003260159	0.002425393	0.000317583	0	0.003739278	0	0.000922014	0.003054523	0.002261236	0.000561974	2.69153E-08	1.0384E-06	1.18237E-07	1.18355E-06	1.1835518	370830	3770265								
3708403770265	370840	3770265	0.001920072	0.003154154	0.002344653	0.000307256	0	0.003617694	0	0.000892034	0.002955204	0.002188195	0.000543701	2.60401E-08	1.00464E-06	1.14392E-07	1.14507E-06	1.1450683	370840	3770265								
3708503770265	370850	3770265	0.001825009	0.002997991	0.002230353	0.000292044	0	0.003438582	0																			

3705503770325	370550	3770325	0.002431835	0.003994842	0.002971959	0.00038915	0	0.004581931	0	0.001129791	0.003742865	0.002771422	0.000688616	3.29807E-08	1.27241E-06	1.44882E-07	1.45027E-06	1.4502673	370550	3770325
3705603770325	370560	3770325	0.002205115	0.003622401	0.002694883	0.00035287	0	0.004154756	0	0.00102446	0.003393917	0.002513404	0.000624416	2.99059E-08	1.15378E-06	1.31374E-07	1.31506E-06	1.3150584	370560	3770325
3705703770325	370570	3770325	0.003253922	0.004202573	0.002420753	0.000316975	0	0.000920205	0.00304868	0.002573025	0.00040687	0.002527049	0.000560899	2.68638E-08	1.03641E-06	1.1801E-07	1.18129E-06	1.1812876	370570	3770325
3705003770335	370500	3770335	0.003964688	0.0065129	0.004845267	0.000634442	0	0.007470047	0	0.001841929	0.006102096	0.004518325	0.001122669	5.37693E-08	2.07444E-06	2.36204E-07	2.36441E-06	2.3644104	370500	3770335
3705103770335	370510	3770335	0.003964195	0.00651209	0.004844664	0.000634363	0	0.007469118	0	0.00184181	0.006101337	0.004517675	0.00112253	5.37626E-08	2.07418E-06	2.36175E-07	2.36412E-06	2.3641164	370510	3770335
3705203770335	370520	3770335	0.003840104	0.006308242	0.004693102	0.000614506	0	0.007235313	0	0.00178405	0.005914047	0.004376344	0.001087391	5.20797E-08	2.00925E-06	2.2872E-07	2.29011E-06	2.2901127	370520	3770335
3705303770335	370530	3770335	0.003647607	0.005992022	0.004645776	0.000583702	0	0.00687262	0	0.00169619	0.005610377	0.004165666	0.001032882	4.94698E-08	1.90853E-06	2.17314E-07	2.17531E-06	2.1753135	370530	3770335
3705403770335	370540	3770335	0.003396148	0.005578943	0.004150451	0.000543463	0	0.006398835	0	0.001577795	0.005257049	0.003807839	0.000961677	4.60587E-08	1.77696E-06	2.02332E-07	2.02353E-06	2.0235166	370540	3770335
3705503770335	370550	3770335	0.003152389	0.005178514	0.003825251	0.000504456	0	0.005939558	0	0.001466458	0.004851877	0.003592593	0.000892653	4.27529E-08	1.64942E-06	1.8781E-07	1.87998E-06	1.8799817	370550	3770335
3705603770335	370560	3770335	0.002836216	0.004703482	0.003499152	0.000458181	0	0.005394715	0	0.001330204	0.004406808	0.003263042	0.000810769	3.88311E-08	1.49812E-06	1.70582E-07	1.70753E-06	1.7075287	370560	3770335
3705703770335	370570	3770335	0.00255237	0.004192846	0.003119265	0.000408439	0	0.004809034	0	0.001185789	0.004093831	0.003098788	0.000722747	3.46154E-08	1.33547E-06	1.52063E-07	1.52215E-06	1.5221498	370570	3770335
3705003770345	370500	3770345	0.005093429	0.008367113	0.006224707	0.000815067	0	0.009596759	0	0.002366324	0.007839534	0.005804860	0.001442292	6.90774E-08	2.66503E-06	3.03451E-07	3.03755E-06	3.0375547	370500	3770345
3705103770345	370510	3770345	0.005082172	0.008348621	0.00621095	0.000813266	0	0.009575755	0	0.002361094	0.007822028	0.005791857	0.001439104	6.89247E-08	2.65914E-06	3.02781E-07	3.03084E-06	3.0308415	370510	3770345
3705203770345	370520	3770345	0.004952073	0.008134904	0.006051956	0.000792447	0	0.009330424	0	0.002306653	0.007621792	0.005643591	0.001402264	6.71603E-08	2.59106E-06	2.9503E-07	2.95325E-06	2.9532457	370520	3770345
3705303770345	370530	3770345	0.004758943	0.007817148	0.005815808	0.000761526	0	0.00896651	0	0.002210881	0.00734389	0.005423278	0.001347548	6.45397E-08	2.48996E-06	2.83518E-07	2.83802E-06	2.8380186	370530	3770345
3705403770345	370540	3770345	0.00455361	0.007480338	0.005564992	0.000728684	0	0.008579662	0	0.002115533	0.007008513	0.005189486	0.001289433	6.17653E-08	2.38258E-06	2.71291E-07	2.71562E-06	2.7156244	370540	3770345
3705503770345	370550	3770345	0.004317258	0.007092076	0.005276414	0.000690862	0	0.00813434	0	0.002005728	0.00664474	0.004920129	0.001222505	5.85509E-08	2.25891E-06	2.57209E-07	2.57467E-06	2.5746717	370550	3770345
3705603770345	370560	3770345	0.003956602	0.006499616	0.004835384	0.000633148	0	0.007545811	0	0.001838173	0.00608965	0.00450911	0.001120379	5.36597E-08	2.07021E-06	2.35723E-07	2.35959E-06	2.359588	370560	3770345
3705703770345	370570	3770345	0.003504959	0.00575769	0.004283429	0.000560875	0	0.006603851	0	0.001628347	0.005394521	0.003994398	0.000992489	4.75344E-08	1.83389E-06	2.08815E-07	2.09024E-06	2.0902429	370570	3770345
3706303770260	370630	3770260	0.000480298	0.000788998	0.000586975	7.68588E-05	0	0.000904951	0	0.000223139	0.000739323	0.000547368	0.000136005	6.51383E-09	2.51305E-07	2.86147E-08	2.86434E-07	2.864339	370630	3770260
3706103770270	370610	3770270	0.000610983	0.001003678	0.000746685	9.77715E-05	0	0.00115118	0	0.000283853	0.000940371	0.000696302	0.00017301	8.28618E-09	3.19684E-07	3.64005E-08	3.6437E-07	3.643702	370610	3770270
3706203770270	370620	3770270	0.000565729	0.000929339	0.000691381	9.05299E-05	0	0.001065916	0	0.000262829	0.00087072	0.000644729	0.000160196	7.67245E-09	2.96006E-07	3.37045E-08	3.37382E-07	3.373825	370620	3770270
3706303770270	370630	3770270	0.000524459	0.000861543	0.000640944	8.39256E-05	0	0.000988157	0	0.000243655	0.000807720	0.000597659	0.00014851	7.11274E-09	2.74412E-07	3.12457E-08	3.1277E-07	3.127702	370630	3770270
3706103770280	370610	3770280	0.000675939	0.001110383	0.000820696	0.000108166	0	0.0002173567	0.000314043	0.000140705	0.000770529	0.0005919404	0.000191404	9.16712E-09	3.53677E-07	4.02704E-08	4.03108E-07	4.03108	370610	3770280
3706203770280	370620	3770280	0.000622919	0.001023286	0.000761273	9.96815E-05	0	0.00117367	0	0.000289398	0.000958742	0.000709505	0.00017639	8.44806E-09	3.25929E-07	3.71117E-08	3.71489E-07	3.714886	370620	3770280
3706303770280	370630	3770280	0.000575934	0.000946102	0.000703825	9.21628E-05	0	0.001085143	0	0.000267569	0.000868426	0.000663988	0.000163085	7.81085E-09	3.01345E-07	3.43124E-08	3.43468E-07	3.43468	370630	3770280
3706103770290	370610	3770290	0.00075511	0.001240439	0.000922823	0.000120835	0	0.001422736	0.000350812	0.0001162198	0.000806655	0.000213822	0.00013822	1.02408E-08	3.95095E-07	4.49827E-08	4.50323E-07	4.503226	370610	3770290
3706203770290	370620	3770290	0.000693604	0.001139401	0.000832227	0.000110993	0	0.001306865	0.000322237	0.0000767533	0.00079046	0.000196406	0.000196406	9.40669E-09	3.62913E-07	4.13228E-08	4.13643E-07	4.136425	370620	3770290
3706303770290	370630	3770290	0.000639012	0.001049722	0.00078094	0.000102257	0	0.00120399	0.000296874	0.00098351	0.000728244	0.000180947	0.000180947	8.66631E-09	3.34349E-07	3.80704E-08	3.81086E-07	3.810865	370630	3770290
3706103770300	370610	3770300	0.000853223	0.01401613	0.01042729	0.000136536	0	0.001607596	0.000396394	0.001313205	0.000972369	0.000241605	0.000241605	1.15715E-08	4.46431E-07	5.08325E-08	5.08834E-07	5.088345	370610	3770300
3706203770300	370620	3770300	0.000781207	0.001283309	0.000954717	0.000125011	0	0.001471906	0.000362936	0.001202364	0.000809296	0.000221212	0.000221212	1.05948E-08	4.08749E-07	4.6542E-08	4.65886E-07	4.658861	370620	3770300
3706303770300	370630	3770300	0.000717809	0.001179154	0.000933482	0.000114866	0	0.001352456	0.000334877	0.001104788	0.000818205	0.00020326	0.00020326	9.73497E-09	3.75578E-07	4.27649E-08	4.28078E-07	4.28078	370630	3770300
3706103770310	370610	3770310	0.000978526	0.01607452	0.01195862	0.000156587	0	0.001843686	0.000454607	0.001506601	0.00111517	0.000277087	0.000277087	1.32708E-08	5.11939E-07	5.82977E-08	5.83651E-07	5.836512	370610	3770310
3706203770310	370620	3770310	0.000894041	0.01468665	0.01092612	0.000143067	0	0.001468665	0.000392612	0.001376028	0.001018886	0.000253163	0.000253163	1.2125E-08	4.67787E-07	5.32643E-08	5.33177E-07	5.331767	370620	3770310
3706303770310	370630	3770310	0.000822424	0.01351017	0.01005088	0.000131607	0	0.001549565	0.000382085	0.001265802	0.000937269	0.000232883	0.000232883	1.11538E-08	4.30315E-07	4.89976E-08	4.90467E-07	4.904666	370630	3770310
3706103770320	370610	3770320	0.001890365	0.001406336	0.000184147	0.0002168177	0	0.002168177	0.000534619	0.00171113	0.00131421	0.000325854	0.000325854	6.20104E-07	6.85582E-08	6.86269E-07	6.862687	370610	3770320	
3706203770320	370620	3770320	0.001051516	0.001727353	0.001285063	0.000168267	0	0.001981208	0.000488517	0.001618399	0.001198351	0.000297755	0.000297755	1.42607E-08	5.50183E-07	6.2462E-08	6.2709E-07	6.270986	370620	3770320
3706303770320	370630	3770320	0.001593271	0.001185313	0.000155206	0.000274662	0	0.000450597	0.001827421	0.000450597	0.00105332	0.000274642	0.000274642	1.31538E-08	5.07476E-07	5.77834E-08	5.78413E-07	5.784131	370630	3770320
3706103770330	370610	3770330	0.001414929	0.002324343	0.001729193	0.000226422	0	0.002665932	0.000217734	0.001612513	0.000400661	0.000400661	0.000400661	1.91894E-08	7.40331E-07	8.42973E-08	8.43818E-07	8.438177	370610	3770330
3706203770330	370620	3770330	0.001295334	0.001295334	0.0002027445	0.0002027445	0	0.0002027445	0.0002027445	0.0002027445	0.0002027445	0.0002027445	0.0002027445	1.7581E-08	6.78282E-07	7.72321E-08	7.73095E-07	7.730951	370620	3770330
3706303770330	370630	3770330	0.00119808	0.001968118	0.00146418	0.000191721	0	0.002257357	0.000556608	0.0018439										

3704513770280	370451	3770280	0.001310448	0.002152708	0.001601506	0.000209702	0	0.002469074	0	0.000608813	0.002016925	0.001493442	0.000371076	1.77724E-08	6.85663E-07	7.80726E-08	7.81508E-07	0.7815084	370451	3770280
3704613770280	370461	3770280	0.001324529	0.002175839	0.001618714	0.000211955	0	0.002495605	0	0.000615355	0.002038597	0.001509489	0.000375063	1.79633E-08	6.93031E-07	7.89115E-08	7.89096E-07	0.7899058	370461	3770280
3704713770280	370471	3770280	0.001326834	0.002179625	0.001621531	0.000221234	0	0.002499947	0	0.000616425	0.002042144	0.001512115	0.000375716	1.79946E-08	6.94237E-07	7.90488E-08	7.9128E-07	0.7912802	370471	3770280
3704013770290	370401	3770290	0.001320093	0.002168552	0.001613293	0.000211246	0	0.002487246	0	0.000613294	0.00203717	0.001505433	0.000378007	1.79032E-08	6.9071E-07	7.86427E-08	7.8726E-07	0.7872602	370401	3770290
3704113770290	370411	3770290	0.001368357	0.002247837	0.001627277	0.000218969	0	0.002578183	0	0.000635716	0.002106054	0.001559437	0.000384744	1.85577E-08	7.19563E-07	8.15226E-08	8.16043E-07	0.8162045	370411	3770290
3704213770290	370421	3770290	0.001413477	0.002321957	0.001727418	0.000226189	0	0.002663196	0	0.000656679	0.002215499	0.001610858	0.000400225	1.91697E-08	7.39571E-07	8.42108E-08	8.42952E-07	0.8429518	370421	3770290
3704313770290	370431	3770290	0.001454282	0.002388987	0.001772825	0.000232719	0	0.002740077	0	0.000675636	0.002283001	0.001657366	0.000411805	1.97238E-08	7.60912E-07	8.66418E-08	8.67286E-07	0.867286	370431	3770290
3704413770290	370441	3770290	0.001490769	0.002448927	0.001818277	0.000238558	0	0.002808826	0	0.000692587	0.002294466	0.001689944	0.000422137	2.02179E-08	7.80013E-07	8.88156E-08	8.89046E-07	0.8890462	370441	3770290
3704513770290	370451	3770290	0.001522155	0.002500485	0.001860234	0.00024358	0	0.002876961	0	0.000707169	0.002327666	0.001734712	0.000431024	2.06436E-08	7.96435E-07	9.06855E-08	9.07764E-07	0.9077636	370451	3770290
3704613770290	370461	3770290	0.001544935	0.002537907	0.001880874	0.000247226	0	0.002910882	0	0.000717752	0.002377827	0.001760673	0.000434745	2.09525E-08	8.08354E-07	9.20426E-08	9.21349E-07	0.9213489	370461	3770290
3704713770290	370471	3770290	0.001558483	0.002560162	0.001924934	0.000253949	0	0.002936408	0	0.000724046	0.002398679	0.001776113	0.000441311	2.11362E-08	8.15442E-07	9.28498E-08	9.29429E-07	0.9294285	370471	3770290
3704013770300	370401	3770300	0.001511911	0.002483657	0.001847714	0.000241941	0	0.002848659	0	0.000702409	0.002326999	0.001723037	0.000428123	2.05046E-08	7.91074E-07	9.00752E-08	9.01654E-07	0.9016543	370401	3770300
3704113770300	370411	3770300	0.001576161	0.002589202	0.001926235	0.000252222	0	0.002967116	0	0.000732259	0.002425887	0.001796259	0.000446317	2.1376E-08	8.24692E-07	9.39039E-08	9.39971E-07	0.939971	370411	3770300
3704213770300	370421	3770300	0.001633591	0.002683543	0.00199642	0.000261413	0	0.003077922	0	0.00075894	0.002514278	0.001861709	0.000462579	2.21548E-08	8.54741E-07	9.73245E-08	9.7422E-07	0.9742201	370421	3770300
3704313770300	370431	3770300	0.001686504	0.002770466	0.002061086	0.000269888	0	0.003177618	0	0.000783522	0.002595717	0.001922011	0.000477562	2.28725E-08	8.82427E-07	1.00477E-07	1.00578E-06	1.0057759	370431	3770300
3704413770300	370441	3770300	0.001735075	0.002850254	0.002120444	0.000277652	0	0.003269132	0	0.000806807	0.002670473	0.001977364	0.000491316	2.35312E-08	9.0784E-07	1.03731E-07	1.03474E-06	1.0347419	370441	3770300
3704513770300	370451	3770300	0.001779529	0.002923238	0.002147722	0.000284766	0	0.003352891	0	0.000826274	0.002738893	0.002028206	0.000503904	2.41341E-08	9.3111E-07	1.06019E-07	1.06125E-06	1.0612529	370451	3770300
3704613770300	370461	3770300	0.001815284	0.002982016	0.002218469	0.000290488	0	0.003420259	0	0.000843351	0.002793924	0.002068774	0.000514029	2.4619E-08	9.49808E-07	1.08149E-07	1.08258E-06	1.0825762	370461	3770300
3704713770300	370471	3770300	0.001842181	0.00302762	0.002251339	0.000294792	0	0.003470935	0	0.000855847	0.002835321	0.002099826	0.000521645	2.49838E-08	9.63881E-07	1.09752E-07	1.09862E-06	1.0986163	370471	3770300
3704013770310	370401	3770310	0.001746078	0.00286833	0.002133892	0.000279413	0	0.003289865	0	0.0008112	0.002687409	0.001989904	0.000494432	2.36804E-08	9.13598E-07	1.04026E-07	1.0413E-06	1.0413041	370401	3770310
3704113770310	370411	3770310	0.001830391	0.003006832	0.002236931	0.000292905	0	0.003448722	0	0.00085037	0.002817175	0.00208599	0.000518307	2.48239E-08	9.57712E-07	1.09049E-07	1.09159E-06	1.0915853	370411	3770310
3704213770310	370421	3770310	0.001906737	0.003132248	0.002330234	0.000305122	0	0.003592569	0	0.000885839	0.00293468	0.002172998	0.000539925	2.58593E-08	9.97659E-07	1.13598E-07	1.13712E-06	1.1371157	370421	3770310
3704313770310	370431	3770310	0.001974717	0.003243921	0.002413313	0.000316001	0	0.003720654	0	0.000917422	0.00303891	0.002250471	0.000559175	2.67812E-08	1.03233E-06	1.17648E-07	1.17766E-06	1.1776569	370431	3770310
3704413770310	370441	3770310	0.002036277	0.003345046	0.002488545	0.000325852	0	0.003838664	0	0.000946021	0.003134056	0.002320626	0.000576607	2.76161E-08	1.06544E-06	1.21315E-07	1.21437E-06	1.2143688	370441	3770310
3704513770310	370451	3770310	0.002097822	0.003446149	0.00256376	0.00033357	0	0.003952602	0	0.000974614	0.003228782	0.002390767	0.000594034	2.84508E-08	1.09724E-06	1.24982E-07	1.25107E-06	1.2510728	370451	3770310
3704613770310	370461	3770310	0.002154519	0.003539287	0.00263305	0.000344773	0	0.004059427	0	0.001009955	0.003316045	0.002455381	0.000610089	2.92197E-08	1.12731E-06	1.28386E-07	1.28488E-06	1.2848849	370461	3770310
3704713770310	370471	3770310	0.002199333	0.003612904	0.002687817	0.000351945	0	0.004143863	0	0.001021774	0.003380518	0.002506453	0.000622779	2.98275E-08	1.15075E-06	1.3103E-07	1.31616E-06	1.3161605	370471	3770310
3704013770320	370401	3770320	0.002035704	0.003344105	0.002487845	0.00032576	0	0.003835561	0	0.000945755	0.003133174	0.002319974	0.000576444	2.76083E-08	1.06514E-06	1.21281E-07	1.21403E-06	1.2140272	370401	3770320
3704113770320	370411	3770320	0.00213892	0.003513661	0.002613985	0.000342277	0	0.004030035	0	0.000993707	0.003292035	0.002437603	0.000605672	2.90081E-08	1.11914E-06	1.2743E-07	1.27558E-06	1.2755818	370411	3770320
3704213770320	370421	3770320	0.002236407	0.003673806	0.002733125	0.000357877	0	0.004213716	0	0.001038998	0.00342008	0.002548704	0.000633277	3.03030E-08	1.17015E-06	1.33239E-07	1.33372E-06	1.3337203	370421	3770320
3704313770320	370431	3770320	0.002325862	0.003820756	0.002844249	0.000372192	0	0.004382261	0	0.001080558	0.00357976	0.00265065	0.000658608	3.15435E-08	1.21696E-06	1.38568E-07	1.38707E-06	1.3870861	370431	3770320
3704413770320	370441	3770320	0.002408962	0.003957267	0.002944606	0.00038549	0	0.004538834	0	0.001119165	0.003707661	0.002745355	0.000682139	3.26705E-08	1.26044E-06	1.43519E-07	1.43663E-06	1.4366264	370441	3770320
3704513770320	370451	3770320	0.0024945	0.004097783	0.003048542	0.000399178	0	0.004700001	0	0.001158904	0.003839314	0.002842838	0.00070636	3.38306E-08	1.30519E-06	1.48615E-07	1.48764E-06	1.4876386	370451	3770320
3704613770320	370461	3770320	0.0025784	0.004235607	0.003151077	0.000412604	0	0.004858008	0	0.001197883	0.003968444	0.002938453	0.000730118	3.49684E-08	1.34909E-06	1.53613E-07	1.53767E-06	1.5376735	370461	3770320
3704713770320	370471	3770320	0.002659036	0.00436807	0.003249622	0.000425508	0	0.005010009	0	0.001235345	0.004092552	0.003030349	0.000752951	3.6062E-08	1.39128E-06	1.58417E-07	1.58576E-06	1.5857261	370471	3770320
3704013770330	370401	3770330	0.002396253	0.003936339	0.002928474	0.000383456	0	0.004514889	0	0.00113236	0.003688101	0.002730871	0.00067854	3.24981E-08	1.25379E-06	1.42172E-07	1.42905E-06	1.4290473	370401	3770330
3704113770330	370411	3770330	0.002532081	0.004159517	0.00309447	0.000405192	0	0.004770807	0	0.001176363	0.003897154	0.002885666	0.000717002	3.43402E-08	1.32486E-06	1.50854E-07	1.51005E-06	1.5100502	370411	3770330
3704213770330	370421	3770330	0.002656465	0.004363846	0.00324468	0.000425096	0	0.005005165	0	0.00123415	0.004088959	0.003027419	0.000752223	3.60271E-08	1.38949E-06	1.58246E-07	1.58423E-06	1.5842288	370421	3770330
3704313770330	370431	3770330	0.002768486	0.004547867	0.003383382	0.000443022	0	0.005216233	0	0.001286194	0.004261008	0.003155083	0.000783944	3.75464E-08	1.44855E-06	1.64938E-07	1.65103E-06	1.6510347	370431	3770330
3704413770330	370441	3770330	0.002874486	0.004721996	0.003512925	0.000459985	0	0.005415949	0	0.00133544	0.004424154	0.003275886	0.00081396	3.89839E-08	1.50401E-06	1.71425E-07	1.71424E-06	1.7142498	370441	3770330
3704513770330	370451	3770330	0.002990131	0.004911969	0.003654256	0.000478491	0	0.005633841	0	0.001389166	0.004602145	0.003407659	0.000846707	4.05523E-08	1.56452E-06	1.78143E-07	1.78322E-06	1.7832167		

370370370290	370370	3770290	0.001150668	0.001890234	0.001406238	0.000184134	0	0.002168026	0	0.000534582	0.001771007	0.001311135	0.000325831	1.56054E-08	6.02062E-07	6.85534E-08	6.86221E-07	0.6862211	370370	3770290
3703403770300	370340	3770300	0.001085366	0.00178296	0.001326431	0.000173684	0	0.002044987	0	0.000504243	0.001670499	0.001236929	0.00030734	1.47198E-08	5.67894E-07	6.46629E-08	6.47277E-07	0.6472767	370340	3770300
3703503770300	370350	3770300	0.001155851	0.001898747	0.001412571	0.000184963	0	0.00217779	0	0.000536989	0.001778983	0.001317256	0.000327299	1.56757E-08	6.04774E-07	6.88621E-08	6.89312E-07	0.6893115	370350	3770300
3703603770300	370360	3770300	0.0012272121	0.002015825	0.001499672	0.000196368	0	0.002312074	0	0.000570101	0.001888766	0.001398479	0.00034748	1.66423E-08	6.42064E-07	7.31082E-08	7.31815E-07	0.731815	370360	3770300
3703703770300	370370	3770300	0.001298792	0.00213356	0.00158726	0.000207837	0	0.002447112	0	0.000603397	0.001998985	0.001480157	0.000367775	1.76143E-08	6.79564E-07	7.73781E-08	7.74557E-07	0.7745569	370370	3770300
3703403770310	370340	3770310	0.001205167	0.001979761	0.001472841	0.000192855	0	0.00227071	0	0.000559901	0.001854886	0.001373459	0.000341264	1.63445E-08	6.30578E-07	7.18003E-08	7.18722E-07	0.7187223	370340	3770310
3703503770310	370350	3770310	0.001293157	0.002124303	0.001580374	0.000206935	0	0.002436494	0	0.000600779	0.001990312	0.001473766	0.000366179	1.75379E-08	6.76616E-07	7.70424E-08	7.71196E-07	0.7711963	370350	3770310
3703603770310	370360	3770310	0.001383077	0.002272019	0.001690266	0.00021325	0	0.002605919	0	0.000642555	0.00212871	0.001576213	0.000391642	1.87574E-08	7.23665E-07	8.23996E-08	8.24822E-07	0.8248222	370360	3770310
3703703770310	370370	3770310	0.001473944	0.002421288	0.001801315	0.000235865	0	0.002777125	0	0.00068477	0.002268564	0.001679769	0.000417373	1.99897E-08	7.71209E-07	8.78132E-08	8.79012E-07	0.8790122	370370	3770310
3703403770320	370340	3770320	0.001341501	0.002203719	0.001639455	0.000214671	0	0.002527582	0	0.000623239	0.002064719	0.001528831	0.000379869	1.81935E-08	7.01911E-07	7.99226E-08	8.00027E-07	0.8000272	370340	3770320
3703503770320	370350	3770320	0.001452443	0.002385967	0.001775039	0.000232425	0	0.002736614	0	0.000674781	0.002235472	0.001655265	0.000411284	1.96981E-08	7.59959E-07	8.65322E-08	8.66197E-07	0.8661877	370350	3770320
3703603770320	370360	3770320	0.001567302	0.002574649	0.001915408	0.000250805	0	0.002953025	0	0.000728143	0.002412252	0.001786163	0.000443808	2.12558E-08	8.20057E-07	9.33752E-08	9.34688E-07	0.9346878	370360	3770320
3703703770320	370370	3770320	0.001684186	0.002766658	0.002058253	0.000269509	0	0.003173251	0	0.000782445	0.00259215	0.001919369	0.000476906	2.2841E-08	8.81214E-07	1.00339E-07	1.00439E-06	1.0043936	370370	3770320
3703403770330	370340	3770330	0.001495499	0.002456696	0.001827657	0.000239315	0	0.002817736	0	0.000694784	0.002301739	0.001704333	0.000423476	2.0282E-08	7.82487E-07	8.90974E-08	8.91867E-07	0.8918665	370340	3770330
3703503770330	370350	3770330	0.001636961	0.00268908	0.002000539	0.000261952	0	0.003084272	0	0.000760505	0.002519465	0.00186555	0.000463534	2.22006E-08	8.56504E-07	9.75253E-08	9.7623E-07	0.97623	370350	3770330
3703603770330	370360	3770330	0.00178623	0.002934288	0.002182961	0.000285838	0	0.003365516	0	0.000829853	0.002749206	0.002035663	0.000505802	2.42249E-08	9.34606E-07	1.06418E-07	1.06525E-06	1.0652491	370360	3770330
3703703770330	370370	3770330	0.001939921	0.003186761	0.002370788	0.000310433	0	0.003655093	0	0.000901256	0.002985755	0.002210816	0.000549322	2.63093E-08	1.01502E-06	1.15575E-07	1.15691E-06	1.1569057	370370	3770330
3703403770340	370340	3770340	0.001668813	0.002741404	0.002039465	0.000267049	0	0.003144286	0	0.000775303	0.002568489	0.001901849	0.000472553	2.36325E-08	8.7317E-07	9.94229E-08	9.95226E-07	0.9952255	370340	3770340
3703503770340	370350	3770340	0.001850853	0.003040446	0.002261937	0.00029618	0	0.003487275	0	0.000859876	0.002848668	0.00210931	0.000524101	2.51014E-08	9.68419E-07	1.10368E-07	1.10379E-06	1.1037882	370350	3770340
3703603770340	370360	3770340	0.002048146	0.003364545	0.00250305	0.000327751	0	0.003859004	0	0.000951535	0.003152325	0.002334153	0.000579968	2.77771E-08	1.07165E-06	1.22022E-07	1.22145E-06	1.2214474	370360	3770340
3703703770340	370370	3770340	0.002256909	0.003707486	0.002758181	0.000361158	0	0.004252344	0	0.001048523	0.003473634	0.002572069	0.000639082	3.06083E-08	1.18088E-06	1.3446E-07	1.34595E-06	1.345947	370370	3770340
3703403770350	370340	3770350	0.001860924	0.00305699	0.002274245	0.000297791	0	0.003506251	0	0.000864555	0.002864169	0.002120787	0.000526952	2.5238E-08	9.73688E-07	1.10868E-07	1.10979E-06	1.1097943	370340	3770350
3703503770350	370350	3770350	0.002096091	0.003443304	0.002561644	0.000335423	0	0.003949339	0	0.00097381	0.003226117	0.002388793	0.000593544	2.84273E-08	1.09673E-06	1.24879E-07	1.25004E-06	1.25004	370350	3770350
3703603770350	370360	3770350	0.002361524	0.003879339	0.002886031	0.000377899	0	0.004449454	0	0.001097126	0.003634648	0.002691292	0.000668706	3.20271E-08	1.23562E-06	1.40699E-07	1.40834E-06	1.4083358	370360	3770350
3703703770350	370370	3770350	0.00265003	0.004353276	0.003238616	0.000424067	0	0.004993041	0	0.001231161	0.004078691	0.003020086	0.000750401	3.59399E-08	1.38657E-06	1.57881E-07	1.58039E-06	1.5803915	370370	3770350
3703403770360	370340	3770360	0.002068475	0.003397939	0.002527894	0.000331004	0	0.003897307	0	0.00096098	0.003183613	0.002357321	0.000585724	2.80528E-08	1.08228E-06	1.23234E-07	1.23357E-06	1.2335709	370340	3770360
3703503770360	370350	3770360	0.002372261	0.003896977	0.002899153	0.000379617	0	0.004469684	0	0.001102114	0.003651174	0.002703529	0.000671746	3.21272E-08	1.24123E-06	1.41332E-07	1.41474E-06	1.4147391	370350	3770360
3703603770360	370360	3770360	0.002736048	0.00449458	0.003343739	0.000437831	0	0.005155111	0	0.001271123	0.004211082	0.003118115	0.000774759	3.71064E-08	1.43158E-06	1.63006E-07	1.63169E-06	1.6316897	370360	3770360
3703703770360	370370	3770360	0.003146887	0.005169476	0.003845828	0.000503575	0	0.005929191	0	0.001461992	0.004843409	0.003586325	0.000891095	4.26783E-08	1.64654E-06	1.87482E-07	1.8767E-06	1.8767005	370370	3770360
3703403770370	370340	3770370	0.002282687	0.003749831	0.002789684	0.000365283	0	0.004300913	0	0.001060499	0.003513309	0.002601446	0.000646382	3.09579E-08	1.19437E-06	1.35996E-07	1.36132E-06	1.3613197	370340	3770370
3703503770370	370350	3770370	0.002668494	0.004383607	0.003261181	0.000427021	0	0.00502783	0	0.001239739	0.004107109	0.003041128	0.00075563	3.61903E-08	1.39623E-06	1.58981E-07	1.5914E-06	1.5914027	370350	3770370
3703603770370	370360	3770370	0.003150017	0.004849653	0.003849653	0.000504076	0	0.00593509	0	0.001463447	0.004848227	0.003589892	0.000891981	4.27207E-08	1.64818E-06	1.87669E-07	1.87857E-06	1.8785675	370360	3770370
3703703770370	370370	3770370	0.003731666	0.006130108	0.004560489	0.000597153	0	0.007031	0	0.001733671	0.005743449	0.004252764	0.001056685	5.06091E-08	1.95251E-06	2.2322E-07	2.22544E-06	2.2254438	370370	3770370

**9600 Wilshire BLVD Specific Plan Mitigated**

Offroad DPM Emissions, Ground Level Concentrations and Health Risk Calculations  
Residential Receptors

Phase	Year	Emissions (lbs/day)	Days Per Year	Work Hours Per Day	Emissions (g/s)	Wt. Trip Length (mi)	Modeled Trip Length (mi)
Utility Relocation -2024	2024	0.00	0	10	0	1.06	1.06
Utility Relocation -2025	2025	0.00	0	10	0	1.06	1.06
Demolition	2025	0.003285231987332438	61	10	4.1393E-05	1.06	1.06
Excavation - 2025	2025	0.00	0	10	0	1.06	1.06
Excavation - 2025 Haul	2025	0.04172819957072407	31	10	0.000525764	1.06	1.06
Excavation - 2026	2026	0.00	0	10	0	1.06	1.06
Excavation - 2026 Haul	2026	0.20325671403804305	151	10	0.002560978	1.06	1.06
Excavation - 2027	2027	0.00	0	10	0	1.06	1.06
Building Construction - 2027	2027	0.00	0	10	0	1.06	1.06
Building Construction - 2028	2028	0.00	0	10	0	1.06	1.06
Paving	2028	0.00	0	10	0	1.06	1.06

AERMOD Column Identifier:

5 5 5 5 5 5 5 5 5 5 5

MAX: 0.270266

Unique Identifier	X (UTM)	Y (UTM)	Utility Relocation -2024		Utility Relocation -2025		Demolition		Excavation - 2025		Excavation - 2025 Haul		Excavation - 2026		Excavation - 2026 Haul		Excavation - 2027		Building Construction - 2027		Building Construction - 2028		Paving		Child Risk		Total	per million		
			2024	2025	2025	2025	2025	2025	2026	2026	2027	2027	2028	2028	3rd Trimester	0<2	2<16													
3705003770265	370500	3770265	0	0	1.90867E-05	0	0.000242435	0	0.00180893	0	0	0	0.001145218	0	0	0	0	0	0	0	0	0	0	0	0	8.41458E-08	0	8.41458E-08	0.0841458	
3705103770265	370510	3770265	0	0	1.85101E-05	0	0.000235111	0	0.001145218	0	0	0	0.001107136	0	0	0	0	0	0	0	0	0	0	0	0	0	8.16038E-08	0	8.16038E-08	0.0816038
3705203770265	370520	3770265	0	0	1.78946E-05	0	0.000227293	0	0.00107136	0	0	0	0.001067646	0	0	0	0	0	0	0	0	0	0	0	0	0	7.88902E-08	0	7.88902E-08	0.0788902
3705303770265	370530	3770265	0	0	1.72563E-05	0	0.000219186	0	0.001067646	0	0	0	0.001026286	0	0	0	0	0	0	0	0	0	0	0	0	0	7.60763E-08	0	7.60763E-08	0.0760763
3705403770265	370540	3770265	0	0	1.65878E-05	0	0.000210695	0	0.001026286	0	0	0	0.000984722	0	0	0	0	0	0	0	0	0	0	0	0	0	7.31292E-08	0	7.31292E-08	0.0731292
3705503770265	370550	3770265	0	0	1.5916E-05	0	0.000202161	0	0.000984722	0	0	0	0.000942722	0	0	0	0	0	0	0	0	0	0	0	0	0	7.01674E-08	0	7.01674E-08	0.0701674
3705603770265	370560	3770265	0	0	1.52372E-05	0	0.000193539	0	0.000942722	0	0	0	0.00090085	0	0	0	0	0	0	0	0	0	0	0	0	0	6.71747E-08	0	6.71747E-08	0.0671747
3705703770265	370570	3770265	0	0	1.45604E-05	0	0.000184943	0	0.00090085	0	0	0	0.001277185	0	0	0	0	0	0	0	0	0	0	0	0	0	6.4191E-08	0	6.4191E-08	0.064191
3705803770275	370580	3770275	0	0	2.06431E-05	0	0.000262204	0	0.001277185	0	0	0	0.001237516	0	0	0	0	0	0	0	0	0	0	0	0	0	9.10072E-08	0	9.10072E-08	0.0910072
3705903770275	370590	3770275	0	0	2.00019E-05	0	0.00025406	0	0.001237516	0	0	0	0.001194415	0	0	0	0	0	0	0	0	0	0	0	0	0	8.81805E-08	0	8.81805E-08	0.0881805
3705203770275	370520	3770275	0	0	1.93053E-05	0	0.000245211	0	0.001194415	0	0	0	0.001149111	0	0	0	0	0	0	0	0	0	0	0	0	0	8.51093E-08	0	8.51093E-08	0.0851093
3705303770275	370530	3770275	0	0	1.8573E-05	0	0.00023591	0	0.001149111	0	0	0	0.001101374	0	0	0	0	0	0	0	0	0	0	0	0	0	8.18812E-08	0	8.18812E-08	0.0818812
3705403770275	370540	3770275	0	0	1.78015E-05	0	0.00022611	0	0.001101374	0	0	0	0.001053996	0	0	0	0	0	0	0	0	0	0	0	0	0	7.84796E-08	0	7.84796E-08	0.0784796
3705503770275	370550	3770275	0	0	1.70357E-05	0	0.000216383	0	0.001053996	0	0	0	0.001006183	0	0	0	0	0	0	0	0	0	0	0	0	0	7.51037E-08	0	7.51037E-08	0.0751037
3705603770275	370560	3770275	0	0	1.62629E-05	0	0.000206567	0	0.001006183	0	0	0	0.000958702	0	0	0	0	0	0	0	0	0	0	0	0	0	7.16967E-08	0	7.16967E-08	0.0716967
3705703770275	370570	3770275	0	0	1.54955E-05	0	0.00019682	0	0.000958702	0	0	0	0.001388306	0	0	0	0	0	0	0	0	0	0	0	0	0	6.83134E-08	0	6.83134E-08	0.0683134
3705003770285	370500	3770285	0	0	2.24392E-05	0	0.000285017	0	0.001388306	0	0	0	0.001343515	0	0	0	0	0	0	0	0	0	0	0	0	0	9.89253E-08	0	9.89253E-08	0.0989253
3705103770285	370510	3770285	0	0	2.17152E-05	0	0.000275821	0	0.001343515	0	0	0	0.001293985	0	0	0	0	0	0	0	0	0	0	0	0	0	9.57336E-08	0	9.57336E-08	0.0957336
3705203770285	370520	3770285	0	0	2.09166E-05	0	0.000265653	0	0.001293985	0	0	0	0.00124436	0	0	0	0	0	0	0	0	0	0	0	0	0	9.22043E-08	0	9.22043E-08	0.0922043
3705303770285	370530	3770285	0	0	2.00851E-05	0	0.000255116	0	0.00124436	0	0	0	0.001194415	0	0	0	0	0	0	0	0	0	0	0	0	0	8.85473E-08	0	8.85473E-08	0.0885473
3705403770285	370540	3770285	0	0	1.91774E-05	0	0.000243586	0	0.001194415	0	0	0	0.001149111	0	0	0	0	0	0	0	0	0	0	0	0	0	8.45454E-08	0	8.45454E-08	0.0845454
3705503770285	370550	3770285	0	0	1.83011E-05	0	0.000232456	0	0.001149111	0	0	0	0.001078121	0	0	0	0	0	0	0	0	0	0	0	0	0	8.06822E-08	0	8.06822E-08	0.0806822
3705603770285	370560	3770285	0	0	1.74256E-05	0	0.000221336	0	0.001078121	0	0	0	0.00102411	0	0	0	0	0	0	0	0	0	0	0	0	0	7.68227E-08	0	7.68227E-08	0.0768227
3705703770285	370570	3770285	0	0	1.65527E-05	0	0.000210248	0	0.00102411	0	0	0	0.00151738	0	0	0	0	0	0	0	0	0	0	0	0	0	7.2974E-08	0	7.2974E-08	0.072974
3705003770295	370500	3770295	0	0	2.45254E-05	0	0.000311515	0	0.00151738	0	0	0	0.001466109	0	0	0	0	0	0	0	0	0	0	0	0	0	1.08123E-07	0	1.08123E-07	0.108123
3705103770295	370510	3770295	0	0	2.36967E-05	0	0.000300989	0	0.001466109	0	0	0	0.001409562	0	0	0	0	0	0	0	0	0	0	0	0	0	1.04469E-07	0	1.04469E-07	0.104469
3705203770295	370520	3770295	0	0	2.27827E-05	0	0.00028938	0	0.001409562	0	0	0	0.001349098	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0044E-07	0	1.0044E-07	0.10044
3705303770295	370530	3770295	0	0	2.18054E-05	0	0.000276967	0	0.001349098	0	0	0	0.001283665	0	0	0	0	0	0	0	0	0	0	0	0	0	9.61314E-08	0	9.61314E-08	0.0961314
3705403770295	370540	3770295	0	0	2.07478E-05	0	0.000263534	0	0.001283665	0	0	0	0.001220844	0	0	0	0	0	0	0	0	0	0	0	0	0	9.14689E-08	0	9.14689E-08	0.0914689
3705503770295	370550	3770295	0	0	1.97325E-05	0	0.000250637	0	0.001220844	0	0	0	0.001157588	0	0	0	0	0	0	0	0	0	0	0	0	0	8.69926E-08	0	8.69926E-08	0.0869926
3705603770295	370560	3770295	0	0	1.87101E-05	0	0.00023765	0	0.001157588	0	0	0	0.001095151	0	0	0	0	0	0	0	0	0	0	0	0	0	8.24852E-08	0	8.24852E-08	0.0824852
3705703770295	370570	3770295	0	0	1.77009E-05	0	0.000224832	0	0.001095151	0	0	0	0.00103374	0	0	0	0	0	0	0	0	0	0	0	0	0	7.80362E-08	0	7.80362E-08	0.0780362
3705003770305	370500	3770305	0	0	2.69903E-05	0	0.000342824	0	0.00103374	0	0	0	0.00169886	0	0	0	0	0	0	0	0	0	0	0	0	0	1.1899E-07	0	1.1899E-07	0.11899
3705103770305	370510	3770305	0	0	2.60308E-05	0	0.000330637	0	0.00169886	0	0	0	0.001610522	0	0	0	0	0	0	0	0	0	0	0	0	0	1.1476E-07	0	1.1476E-07	0.11476
3705203770305	370520	3770305	0	0	2.49472E-05	0	0.000316873	0	0.001610522	0	0	0	0.001543476	0	0	0	0	0	0	0	0	0	0	0	0	0	1.09982E-07	0	1.09982E-07	0.109982
3705303770305	370530	3770305	0	0	2.37761E-05	0	0.000301999	0	0.001543476	0	0	0	0.001471026	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0482E-07	0	1.0482E-07	0.10482
3705403770305	370540	3770305	0	0	2.25592E-05	0	0.000286541	0	0.001471026	0	0	0	0.001395733	0	0	0	0	0	0	0	0	0	0	0	0	0	9.94545E-08	0	9.94545E-08	0.0994545
3705503770305	370550	3770305	0	0	2.13642E-05	0	0.000271362	0	0.001395733	0	0	0	0.001321798																	



3705403770325	370540	3770325	0	0	2.71339E-05	0	0.000344649	0	0.001678772	0	0	0	0	1.19623E-07	0	1.19623E-07	0.1196228
3705503770325	370550	3770325	0	0	2.53925E-05	0	0.00032253	0	0.001571032	0	0	0	0	0.11946E-07	0	0.11946E-07	0.1119456
3705603770325	370560	3770325	0	0	2.36863E-05	0	0.000300858	0	0.001465469	0	0	0	0	0.10442E-07	0	0.10442E-07	0.1044236
3705703770325	370570	3770325	0	0	2.20753E-05	0	0.000280395	0	0.001365795	0	0	0	0	0.93212E-08	0	0.93212E-08	0.0932122
3705003770335	370500	3770335	0	0	3.79909E-05	0	0.000482551	0	0.002350491	0	0	0	0	0.167487E-07	0	0.167487E-07	0.1674868
3705103770335	370510	3770335	0	0	3.63381E-05	0	0.000461557	0	0.002248231	0	0	0	0	0.1602E-07	0	0.1602E-07	0.1602002
3705203770335	370520	3770335	0	0	3.43848E-05	0	0.000436747	0	0.002127379	0	0	0	0	0.151589E-07	0	0.151589E-07	0.1515887
3705303770335	370530	3770335	0	0	3.22675E-05	0	0.000409854	0	0.001996385	0	0	0	0	0.142255E-07	0	0.142255E-07	0.1422546
3705403770335	370540	3770335	0	0	3.00571E-05	0	0.000381778	0	0.001859629	0	0	0	0	0.13251E-07	0	0.13251E-07	0.1325099
3705503770335	370550	3770335	0	0	2.79208E-05	0	0.000354643	0	0.001727457	0	0	0	0	0.123092E-07	0	0.123092E-07	0.1230918
3705603770335	370560	3770335	0	0	2.58607E-05	0	0.000328476	0	0.001599997	0	0	0	0	0.11401E-07	0	0.11401E-07	0.1140095
3705703770335	370570	3770335	0	0	2.39351E-05	0	0.000304018	0	0.00148086	0	0	0	0	0.10552E-07	0	0.10552E-07	0.1055203
3705003770345	370500	3770345	0	0	4.36431E-05	0	0.000554344	0	0.002700193	0	0	0	0	0.192405E-07	0	0.192405E-07	0.1924052
3705103770345	370510	3770345	0	0	4.15453E-05	0	0.000527699	0	0.002570403	0	0	0	0	0.183157E-07	0	0.183157E-07	0.1831568
3705203770345	370520	3770345	0	0	3.9046E-05	0	0.000495953	0	0.002415771	0	0	0	0	0.172138E-07	0	0.172138E-07	0.1721384
3705303770345	370530	3770345	0	0	3.63302E-05	0	0.000461458	0	0.002247745	0	0	0	0	0.160166E-07	0	0.160166E-07	0.1601655
3705403770345	370540	3770345	0	0	3.35606E-05	0	0.000426279	0	0.00207639	0	0	0	0	0.147955E-07	0	0.147955E-07	0.1479554
3705503770345	370550	3770345	0	0	3.0902E-05	0	0.000392509	0	0.001911898	0	0	0	0	0.136234E-07	0	0.136234E-07	0.1362344
3705603770345	370560	3770345	0	0	2.83737E-05	0	0.000360395	0	0.001755474	0	0	0	0	0.125088E-07	0	0.125088E-07	0.1250882
3705703770345	370570	3770345	0	0	2.60515E-05	0	0.0003309	0	0.001611803	0	0	0	0	0.114851E-07	0	0.114851E-07	0.1148508
3706303770260	370630	3770260	0	0	1.06699E-05	0	0.000135526	0	0.000660143	0	0	0	0	0.470392E-08	0	0.470392E-08	0.0470392
3706103770270	370610	3770270	0	0	1.23422E-05	0	0.000156767	0	0.000763607	0	0	0	0	0.544116E-08	0	0.544116E-08	0.0544116
3706203770270	370620	3770270	0	0	1.17391E-05	0	0.000149107	0	0.000726293	0	0	0	0	0.517528E-08	0	0.517528E-08	0.0517528
3706303770270	370630	3770270	0	0	1.1167E-05	0	0.000141841	0	0.000690901	0	0	0	0	0.492309E-08	0	0.492309E-08	0.0492309
3706103770280	370610	3770280	0	0	1.2992E-05	0	0.000165021	0	0.000803814	0	0	0	0	0.572767E-08	0	0.572767E-08	0.0572767
3706203770280	370620	3770280	0	0	1.23231E-05	0	0.000156525	0	0.000762429	0	0	0	0	0.543277E-08	0	0.543277E-08	0.0543277
3706303770280	370630	3770280	0	0	1.16948E-05	0	0.000148544	0	0.000723553	0	0	0	0	0.515576E-08	0	0.515576E-08	0.0515576
3706103770290	370610	3770290	0	0	1.36978E-05	0	0.000173986	0	0.000847479	0	0	0	0	0.60388E-08	0	0.60388E-08	0.0603888
3706203770290	370620	3770290	0	0	1.29573E-05	0	0.00016458	0	0.000801663	0	0	0	0	0.571234E-08	0	0.571234E-08	0.0571234
3706303770290	370630	3770290	0	0	1.2261E-05	0	0.000155736	0	0.000758587	0	0	0	0	0.54054E-08	0	0.54054E-08	0.0540544
3706103770300	370610	3770300	0	0	1.44615E-05	0	0.000183686	0	0.000894729	0	0	0	0	0.637549E-08	0	0.637549E-08	0.0637549
3706203770300	370620	3770300	0	0	1.36369E-05	0	0.000173213	0	0.000843714	0	0	0	0	0.601198E-08	0	0.601198E-08	0.0601198
3706303770300	370630	3770300	0	0	1.28637E-05	0	0.000163392	0	0.000795875	0	0	0	0	0.56711E-08	0	0.56711E-08	0.0567112
3706103770310	370610	3770310	0	0	1.52848E-05	0	0.000194144	0	0.000945667	0	0	0	0	0.673845E-08	0	0.673845E-08	0.0673845
3706203770310	370620	3770310	0	0	1.43634E-05	0	0.00018244	0	0.000886659	0	0	0	0	0.633224E-08	0	0.633224E-08	0.0633224
3706303770310	370630	3770310	0	0	1.35086E-05	0	0.000171583	0	0.000835775	0	0	0	0	0.595541E-08	0	0.595541E-08	0.0595541
3706103770320	370610	3770320	0	0	1.61768E-05	0	0.000205474	0	0.001000856	0	0	0	0	0.713171E-08	0	0.713171E-08	0.0713171
3706203770320	370620	3770320	0	0	1.51453E-05	0	0.000192372	0	0.000937036	0	0	0	0	0.676995E-08	0	0.676995E-08	0.0676995
3706303770320	370630	3770320	0	0	1.41982E-05	0	0.000180342	0	0.000878441	0	0	0	0	0.625943E-08	0	0.625943E-08	0.0625943
3706103770330	370610	3770330	0	0	1.71545E-05	0	0.000217892	0	0.001061346	0	0	0	0	0.756274E-08	0	0.756274E-08	0.0756274
3706203770330	370620	3770330	0	0	1.59959E-05	0	0.000203176	0	0.000989664	0	0	0	0	0.705196E-08	0	0.705196E-08	0.0705196
3706303770330	370630	3770330	0	0	1.49404E-05	0	0.000189769	0	0.000924359	0	0	0	0	0.658662E-08	0	0.658662E-08	0.0658662
3706103770340	370610	3770340	0	0	1.82208E-05	0	0.000231436	0	0.001127317	0	0	0	0	0.803282E-08	0	0.803282E-08	0.0803282
3706203770340	370620	3770340	0	0	1.6914E-05	0	0.000214838	0	0.001046467	0	0	0	0	0.745671E-08	0	0.745671E-08	0.0745671
3706303770340	370630	3770340	0	0	1.5738E-05	0	0.000199901	0	0.000973709	0	0	0	0	0.693827E-08	0	0.693827E-08	0.0693827
3706103770350	370610	3770350	0	0	1.93632E-05	0	0.000245947	0	0.001198	0	0	0	0	0.83648E-08	0	0.83648E-08	0.0836488
3706203770350	370620	3770350	0	0	1.79021E-05	0	0.000227388	0	0.001107597	0	0	0	0	0.789231E-08	0	0.789231E-08	0.0789231
3706303770350	370630	3770350	0	0	1.65969E-05	0	0.00021081	0	0.00102685	0	0	0	0	0.731693E-08	0	0.731693E-08	0.0731693
3706103770360	370610	3770360	0	0	2.06261E-05	0	0.000261988	0	0.001276135	0	0	0	0	0.90924E-08	0	0.90924E-08	0.0909244
3706203770360	370620	3770360	0	0	1.89874E-05	0	0.000241173	0	0.001174746	0	0	0	0	0.837078E-08	0	0.837078E-08	0.0837078
3706303770360	370630	3770360	0	0	1.75366E-05	0	0.000222745	0	0.001084984	0	0	0	0	0.773117E-08	0	0.773117E-08	0.0773117
3706103770370	370610	3770370	0	0	2.20505E-05	0	0.00028008	0	0.001364259	0	0	0	0	0.972117E-08	0	0.972117E-08	0.0972117
3706203770370	370620	3770370	0	0	2.0206E-05	0	0.000256652	0	0.001250141	0	0	0	0	0.890802E-08	0	0.890802E-08	0.0890802
3706303770370	370630	3770370	0	0	1.85913E-05	0	0.000236142	0	0.001150238	0	0	0	0	0.819614E-08	0	0.819614E-08	0.0819614
3706103770380	370610	3770380	0	0	2.36611E-05	0	0.000300537	0	0.001463906	0	0	0	0	0.104312E-07	0	0.104312E-07	0.1043122
3706203770380	370620	3770380	0	0	2.15964E-05	0	0.000274312	0	0.001336165	0	0	0	0	0.952099E-08	0	0.952099E-08	0.0952099
3706303770380	370630	3770380	0	0	1.98037E-05	0	0.000251541	0	0.001225249	0	0	0	0	0.873064E-08	0	0.873064E-08	0.0873064
3706103770390	370610	3770390	0	0	2.55689E-05	0	0.00032477	0	0.001581942	0	0	0	0	0.112723E-07	0	0.112723E-07	0.112723
3706203770390	370620	3770390	0	0	2.32372E-05	0	0.000295153	0	0.001437682	0	0	0	0	0.102444E-07	0	0.102444E-07	0.1024436
3706303770390	370630	3770390	0	0	2.12276E-05	0	0.000269627	0	0.001313346	0	0	0	0	0.935839E-08	0	0.935839E-08	0.0935839
3706203770400	370620	3770400	0	0	2.52394E-05	0	0.000320584	0	0.001561556	0	0	0	0	0.11127E-07	0	0.11127E-07	0.1112704
3706303770400	370630	3770400	0	0	2.2957E-05	0	0.000291594	0	0.001420344	0	0	0	0	0.101208E-07	0	0.101208E-07	0.1012082
3704013770260	370401	3770260	0	0	2.18555E-05	0	0.000277603	0	0.001352196	0	0	0	0	0.963522E-08	0	0.963522E-08	0.0963522
3704113770260	370411	3770260	0	0													

3704213770280	370421	3770280	0	0	2.50121E-05	0	0.000317698	0	0.001547497	0	0	0	0	1.10269E-07	0	1.10269E-07	0.1102686
3704313770280	370431	3770280	0	0	2.47294E-05	0	0.000314107	0	0.001530005	0	0	0	0	0.109022E-07	0	0.109022E-07	0.1090222
3704413770280	370441	3770280	0	0	2.44173E-05	0	0.000310143	0	0.001510695	0	0	0	0	0.107646E-07	0	0.107646E-07	0.1076463
3704513770280	370451	3770280	0	0	2.40618E-05	0	0.000305626	0	0.001488697	0	0	0	0	0.106079E-07	0	0.106079E-07	0.1060787
3704613770280	370461	3770280	0	0	2.36544E-05	0	0.000300453	0	0.001463497	0	0	0	0	0.104283E-07	0	0.104283E-07	0.1042831
3704713770280	370471	3770280	0	0	2.31722E-05	0	0.000294328	0	0.001433661	0	0	0	0	0.102157E-07	0	0.102157E-07	0.1021571
3704013770290	370401	3770290	0	0	2.7653E-05	0	0.000351242	0	0.001710887	0	0	0	0	0.121911E-07	0	0.121911E-07	0.1219111
3704113770290	370411	3770290	0	0	2.74369E-05	0	0.000348497	0	0.001697519	0	0	0	0	0.120959E-07	0	0.120959E-07	0.1209586
3704213770290	370421	3770290	0	0	2.71969E-05	0	0.000345448	0	0.001682665	0	0	0	0	0.1199E-07	0	0.1199E-07	0.1199001
3704313770290	370431	3770290	0	0	2.6922E-05	0	0.000341957	0	0.00166566	0	0	0	0	0.118688E-07	0	0.118688E-07	0.1186884
3704413770290	370441	3770290	0	0	2.66087E-05	0	0.000337977	0	0.001646274	0	0	0	0	0.117307E-07	0	0.117307E-07	0.117307
3704513770290	370451	3770290	0	0	2.62485E-05	0	0.000333403	0	0.001623993	0	0	0	0	0.115719E-07	0	0.115719E-07	0.1157194
3704613770290	370461	3770290	0	0	2.58214E-05	0	0.000327977	0	0.001597564	0	0	0	0	0.113836E-07	0	0.113836E-07	0.1138362
3704713770290	370471	3770290	0	0	2.53247E-05	0	0.000321668	0	0.001566832	0	0	0	0	0.111646E-07	0	0.111646E-07	0.1116463
3704013770300	370401	3770300	0	0	3.01167E-05	0	0.000382535	0	0.001863316	0	0	0	0	0.132773E-07	0	0.132773E-07	0.1327727
3704113770300	370411	3770300	0	0	2.99375E-05	0	0.000380259	0	0.001852227	0	0	0	0	0.131982E-07	0	0.131982E-07	0.1319825
3704213770300	370421	3770300	0	0	2.97119E-05	0	0.000377393	0	0.00183827	0	0	0	0	0.130988E-07	0	0.130988E-07	0.1309879
3704313770300	370431	3770300	0	0	2.94486E-05	0	0.000374049	0	0.001821982	0	0	0	0	0.129827E-07	0	0.129827E-07	0.1298273
3704413770300	370441	3770300	0	0	2.91407E-05	0	0.000370138	0	0.001802929	0	0	0	0	0.12847E-07	0	0.12847E-07	0.1284697
3704513770300	370451	3770300	0	0	2.87793E-05	0	0.000365548	0	0.001780571	0	0	0	0	0.126877E-07	0	0.126877E-07	0.1268766
3704613770300	370461	3770300	0	0	2.83385E-05	0	0.000359948	0	0.001753297	0	0	0	0	0.124933E-07	0	0.124933E-07	0.1249331
3704713770300	370471	3770300	0	0	2.7814E-05	0	0.000353287	0	0.001720849	0	0	0	0	0.122621E-07	0	0.122621E-07	0.122621
3704013770310	370401	3770310	0	0	3.2948E-05	0	0.000418497	0	0.002038487	0	0	0	0	0.145255E-07	0	0.145255E-07	0.1452547
3704113770310	370411	3770310	0	0	3.28156E-05	0	0.000416815	0	0.002030292	0	0	0	0	0.144671E-07	0	0.144671E-07	0.1446707
3704213770310	370421	3770310	0	0	3.26351E-05	0	0.000414523	0	0.002019126	0	0	0	0	0.143875E-07	0	0.143875E-07	0.1438751
3704313770310	370431	3770310	0	0	3.24E-05	0	0.000411536	0	0.00200458	0	0	0	0	0.142839E-07	0	0.142839E-07	0.1428385
3704413770310	370441	3770310	0	0	3.21032E-05	0	0.000407767	0	0.001986218	0	0	0	0	0.14153E-07	0	0.14153E-07	0.1415301
3704513770310	370451	3770310	0	0	3.17526E-05	0	0.000403313	0	0.001964526	0	0	0	0	0.139984E-07	0	0.139984E-07	0.1399845
3704613770310	370461	3770310	0	0	3.13134E-05	0	0.000397735	0	0.001937354	0	0	0	0	0.138048E-07	0	0.138048E-07	0.1380483
3704713770310	370471	3770310	0	0	3.07546E-05	0	0.000390637	0	0.001902781	0	0	0	0	0.135585E-07	0	0.135585E-07	0.1355848
3704013770320	370401	3770320	0	0	3.62118E-05	0	0.000459954	0	0.002240421	0	0	0	0	0.159644E-07	0	0.159644E-07	0.1596436
3704113770320	370411	3770320	0	0	3.61195E-05	0	0.000458781	0	0.00223471	0	0	0	0	0.159237E-07	0	0.159237E-07	0.1592367
3704213770320	370421	3770320	0	0	3.60012E-05	0	0.000457278	0	0.002227385	0	0	0	0	0.158715E-07	0	0.158715E-07	0.1587148
3704313770320	370431	3770320	0	0	3.58327E-05	0	0.000455138	0	0.002216962	0	0	0	0	0.157972E-07	0	0.157972E-07	0.1579721
3704413770320	370441	3770320	0	0	3.55947E-05	0	0.000452115	0	0.002202236	0	0	0	0	0.156923E-07	0	0.156923E-07	0.1569228
3704513770320	370451	3770320	0	0	3.52846E-05	0	0.000448177	0	0.002183055	0	0	0	0	0.155556E-07	0	0.155556E-07	0.1555559
3704613770320	370461	3770320	0	0	3.486E-05	0	0.000442782	0	0.002156779	0	0	0	0	0.153684E-07	0	0.153684E-07	0.1536836
3704713770320	370471	3770320	0	0	3.42954E-05	0	0.000435611	0	0.002121847	0	0	0	0	0.151195E-07	0	0.151195E-07	0.1511945
3704013770330	370401	3770330	0	0	3.99753E-05	0	0.000507756	0	0.002473265	0	0	0	0	0.176235E-07	0	0.176235E-07	0.1762352
3704113770330	370411	3770330	0	0	3.99819E-05	0	0.00050784	0	0.002473674	0	0	0	0	0.176264E-07	0	0.176264E-07	0.1762644
3704213770330	370421	3770330	0	0	3.99608E-05	0	0.000507572	0	0.002473268	0	0	0	0	0.176171E-07	0	0.176171E-07	0.1761713
3704313770330	370431	3770330	0	0	3.98909E-05	0	0.000506684	0	0.00246804	0	0	0	0	0.175863E-07	0	0.175863E-07	0.1758629
3704413770330	370441	3770330	0	0	3.97501E-05	0	0.000504896	0	0.002459333	0	0	0	0	0.175242E-07	0	0.175242E-07	0.1752425
3704513770330	370451	3770330	0	0	3.95266E-05	0	0.000502057	0	0.002445504	0	0	0	0	0.174257E-07	0	0.174257E-07	0.174257
3704613770330	370461	3770330	0	0	3.91764E-05	0	0.000497609	0	0.002423838	0	0	0	0	0.172713E-07	0	0.172713E-07	0.1727132
3704713770330	370471	3770330	0	0	3.86321E-05	0	0.000490695	0	0.002390161	0	0	0	0	0.170314E-07	0	0.170314E-07	0.1703135
3704013770340	370401	3770340	0	0	4.43874E-05	0	0.000563797	0	0.002746239	0	0	0	0	0.195686E-07	0	0.195686E-07	0.1956863
3704113770340	370411	3770340	0	0	4.45025E-05	0	0.000565259	0	0.002753359	0	0	0	0	0.196194E-07	0	0.196194E-07	0.1961936
3704213770340	370421	3770340	0	0	4.46208E-05	0	0.000566763	0	0.002760683	0	0	0	0	0.196716E-07	0	0.196716E-07	0.1967155
3704313770340	370431	3770340	0	0	4.47194E-05	0	0.000568014	0	0.002766778	0	0	0	0	0.19715E-07	0	0.19715E-07	0.1971498
3704413770340	370441	3770340	0	0	4.47442E-05	0	0.00056833	0	0.002768315	0	0	0	0	0.197259E-07	0	0.197259E-07	0.1972593
3704513770340	370451	3770340	0	0	4.46974E-05	0	0.000567735	0	0.002765421	0	0	0	0	0.197053E-07	0	0.197053E-07	0.1970531
3704613770340	370461	3770340	0	0	4.45103E-05	0	0.000565359	0	0.002753845	0	0	0	0	0.196228E-07	0	0.196228E-07	0.1962283
3704713770340	370471	3770340	0	0	4.40264E-05	0	0.000559213	0	0.002723908	0	0	0	0	0.194095E-07	0	0.194095E-07	0.194095
3704013770350	370401	3770350	0	0	4.95371E-05	0	0.000629208	0	0.003064851	0	0	0	0	0.218389E-07	0	0.218389E-07	0.2183893
3704113770350	370411	3770350	0	0	4.98202E-05	0	0.000632804	0	0.003082368	0	0	0	0	0.219637E-07	0	0.219637E-07	0.2196375
3704213770350	370421	3770350	0	0	5.01526E-05	0	0.000637026	0	0.003102932	0	0	0	0	0.221103E-07	0	0.221103E-07	0.2211028
3704313770350	370431	3770350	0	0	5.05181E-05	0	0.000641668	0	0.003125546	0	0	0	0	0.222714E-07	0	0.222714E-07	0.2227142
3704413770350	370441	3770350	0	0	5.08389E-05	0	0.000645743	0	0.003145393	0	0	0	0	0.224128E-07	0	0.224128E-07	0.2241284
3704513770350	370451	3770350	0	0	5.10852E-05	0	0.000648871	0	0.003160631	0	0	0	0	0.225214E-07	0	0.225214E-07	0.2252142
3704613770350	370461	3770350	0	0	5.11576E-05	0	0.000649791	0	0.003165113	0	0	0	0	0.225534E-07	0	0.225534E-07	0.2255336
3704713770350	370471	3770350	0	0	5.09171E-05	0	0.000646737	0	0.003150234	0	0	0	0	0.224473E-07	0	0.224473E-07	0.2244733
3704013770360	370401	3770360	0	0	5.56111E-05	0	0.000706358	0	0.003440649	0	0	0	0	0.245167E-07	0	0.245167E-07	0.2451672
3704113770360	370411																

3703603770280	370360	3770280	0	0	2.61625E-05	0	0.000332309	0	0.001618666	0	0	0	0	1.1534E-07	0	1.1534E-07	0.1153398
3703703770280	370370	3770280	0	0	2.60205E-05	0	0.000330506	0	0.001609882	0	0	0	0	1.14714E-07	0	1.14714E-07	0.1147139
3703403770290	370340	3770290	0	0	2.85012E-05	0	0.000362015	0	0.001763361	0	0	0	0	1.2565E-07	0	1.2565E-07	0.1256503
3703503770290	370350	3770290	0	0	2.84026E-05	0	0.000360763	0	0.001757266	0	0	0	0	1.25216E-07	0	1.25216E-07	0.1252159
3703603770290	370360	3770290	0	0	2.82901E-05	0	0.000359333	0	0.001750301	0	0	0	0	1.2472E-07	0	1.2472E-07	0.1247196
3703703770290	370370	3770290	0	0	2.81547E-05	0	0.000357614	0	0.001741926	0	0	0	0	1.24123E-07	0	1.24123E-07	0.1241229
3703403770300	370340	3770300	0	0	3.08697E-05	0	0.000392099	0	0.001909901	0	0	0	0	1.36092E-07	0	1.36092E-07	0.1360921
3703503770300	370350	3770300	0	0	3.07844E-05	0	0.000391016	0	0.001904625	0	0	0	0	1.35716E-07	0	1.35716E-07	0.1357161
3703603770300	370360	3770300	0	0	3.06797E-05	0	0.000389686	0	0.001898146	0	0	0	0	1.35254E-07	0	1.35254E-07	0.1352545
3703703770300	370370	3770300	0	0	3.05667E-05	0	0.000388225	0	0.001891154	0	0	0	0	1.34756E-07	0	1.34756E-07	0.1347563
3703403770310	370340	3770310	0	0	3.35453E-05	0	0.000426084	0	0.002075442	0	0	0	0	1.47888E-07	0	1.47888E-07	0.1478879
3703503770310	370350	3770310	0	0	3.3477E-05	0	0.000425217	0	0.002071217	0	0	0	0	1.47587E-07	0	1.47587E-07	0.1475868
3703603770310	370360	3770310	0	0	3.33926E-05	0	0.000424144	0	0.002065992	0	0	0	0	1.47215E-07	0	1.47215E-07	0.1472145
3703703770310	370370	3770310	0	0	3.33007E-05	0	0.000422977	0	0.002060307	0	0	0	0	1.46809E-07	0	1.46809E-07	0.1468094
3703403770320	370340	3770320	0	0	3.65964E-05	0	0.000464838	0	0.002264212	0	0	0	0	1.61339E-07	0	1.61339E-07	0.1613389
3703503770320	370350	3770320	0	0	3.65471E-05	0	0.000464213	0	0.002261164	0	0	0	0	1.61122E-07	0	1.61122E-07	0.1611217
3703603770320	370360	3770320	0	0	3.64879E-05	0	0.000463461	0	0.002257502	0	0	0	0	1.60861E-07	0	1.60861E-07	0.1608608
3703703770320	370370	3770320	0	0	3.6425E-05	0	0.000462662	0	0.00225361	0	0	0	0	1.60583E-07	0	1.60583E-07	0.1605834
3703403770330	370340	3770330	0	0	4.00767E-05	0	0.000509044	0	0.002479539	0	0	0	0	1.76682E-07	0	1.76682E-07	0.1766823
3703503770330	370350	3770330	0	0	4.00573E-05	0	0.000508797	0	0.002478335	0	0	0	0	1.76597E-07	0	1.76597E-07	0.1765965
3703603770330	370360	3770330	0	0	4.00324E-05	0	0.000508482	0	0.002476799	0	0	0	0	1.76487E-07	0	1.76487E-07	0.1764887
3703703770330	370370	3770330	0	0	4.00126E-05	0	0.00050823	0	0.00247557	0	0	0	0	1.76399E-07	0	1.76399E-07	0.1763994
3703403770340	370340	3770340	0	0	4.40894E-05	0	0.000560012	0	0.0027278	0	0	0	0	1.94372E-07	0	1.94372E-07	0.1943724
3703503770340	370350	3770340	0	0	4.4103E-05	0	0.000560185	0	0.002728645	0	0	0	0	1.94433E-07	0	1.94433E-07	0.1944326
3703603770340	370360	3770340	0	0	4.41208E-05	0	0.000560412	0	0.002729747	0	0	0	0	1.94511E-07	0	1.94511E-07	0.1945111
3703703770340	370370	3770340	0	0	4.41572E-05	0	0.000560874	0	0.002732	0	0	0	0	1.94672E-07	0	1.94672E-07	0.1946717
3703403770350	370340	3770350	0	0	4.87498E-05	0	0.000619208	0	0.003016141	0	0	0	0	2.14918E-07	0	2.14918E-07	0.2149184
3703503770350	370350	3770350	0	0	4.87999E-05	0	0.000619844	0	0.00301924	0	0	0	0	2.15139E-07	0	2.15139E-07	0.2151392
3703603770350	370360	3770350	0	0	4.88711E-05	0	0.000620748	0	0.003023644	0	0	0	0	2.15453E-07	0	2.15453E-07	0.2154531
3703703770350	370370	3770350	0	0	4.89704E-05	0	0.00062201	0	0.003029791	0	0	0	0	2.15891E-07	0	2.15891E-07	0.2158911
3703403770360	370340	3770360	0	0	5.42178E-05	0	0.000688661	0	0.003354446	0	0	0	0	2.39025E-07	0	2.39025E-07	0.2390247
3703503770360	370350	3770360	0	0	5.43118E-05	0	0.000689855	0	0.003360259	0	0	0	0	2.39439E-07	0	2.39439E-07	0.239439
3703603770360	370360	3770360	0	0	5.44554E-05	0	0.000691679	0	0.003369146	0	0	0	0	2.40072E-07	0	2.40072E-07	0.2400722
3703703770360	370370	3770360	0	0	5.46264E-05	0	0.00069385	0	0.003379723	0	0	0	0	2.40826E-07	0	2.40826E-07	0.2408259
3703403770370	370340	3770370	0	0	6.07016E-05	0	0.000771017	0	0.003755598	0	0	0	0	2.67609E-07	0	2.67609E-07	0.2676092
3703503770370	370350	3770370	0	0	6.08457E-05	0	0.000772846	0	0.00376451	0	0	0	0	2.68244E-07	0	2.68244E-07	0.2682443
3703603770370	370360	3770370	0	0	6.10448E-05	0	0.000775375	0	0.003776828	0	0	0	0	2.69122E-07	0	2.69122E-07	0.269122
3703703770370	370370	3770370	0	0	6.13043E-05	0	0.000778672	0	0.003792885	0	0	0	0	2.70266E-07	0	2.70266E-07	0.2702662

# 9600 Wilshire BLVD Specific Plan Mitigated

Cancer Risk Summary & Maximum Annual GLC for Chronic Calculations

## Cancer Risk Summary

Max Risk: 9.355384

XY	X	Y	Offroad Risk	Haul Risk	Total Risk
7050037702f	370500	3770265	0.61866036	0.084146	0.7028062
7051037702f	370510	3770265	0.604797068	0.081604	0.6864008
7052037702f	370520	3770265	0.586818482	0.07889	0.6657087
7053037702f	370530	3770265	0.566313521	0.076076	0.6423898
7054037702f	370540	3770265	0.541637654	0.073129	0.6147668
7055037702f	370550	3770265	0.515921047	0.070167	0.5860885
7056037702f	370560	3770265	0.488091182	0.067175	0.5552658
7057037702f	370570	3770265	0.458950462	0.064191	0.5231415
7050037702s	370500	3770275	0.716394588	0.091007	0.8074018
7051037702s	370510	3770275	0.701474666	0.088181	0.7896552
7052037702s	370520	3770275	0.679992521	0.085109	0.7651018
7053037702s	370530	3770275	0.653997854	0.081881	0.735879
7054037702s	370540	3770275	0.621711079	0.07848	0.7001907
7055037702s	370550	3770275	0.589599086	0.075104	0.6647027
7056037702s	370560	3770275	0.554706489	0.071697	0.6264031
7057037702s	370570	3770275	0.518479202	0.068313	0.5867926
7050037702i	370500	3770285	0.839360802	0.098925	0.9382861
7051037702i	370510	3770285	0.82331275	0.095734	0.9190464
7052037702i	370520	3770285	0.796793741	0.092204	0.8889981
7053037702i	370530	3770285	0.767152512	0.088547	0.8556999
7054037702i	370540	3770285	0.722146464	0.084545	0.8066919
7055037702i	370550	3770285	0.682431507	0.080682	0.7631137
7056037702i	370560	3770285	0.640436455	0.076823	0.7172591
7057037702i	370570	3770285	0.595358906	0.072974	0.668333
7050037702e	370500	3770295	0.995559196	0.108123	1.1036817
7051037702e	370510	3770295	0.978414792	0.104469	1.082884
7052037702e	370520	3770295	0.949258182	0.10044	1.0496981
7053037702e	370530	3770295	0.909312832	0.096131	1.0054443
7054037702e	370540	3770295	0.850634162	0.091469	0.9421031
7055037702e	370550	3770295	0.800408525	0.086993	0.8874011
7056037702e	370560	3770295	0.744359511	0.082485	0.8268447
7057037702e	370570	3770295	0.68559345	0.078036	0.7636296
7050037703c	370500	3770305	1.200449923	0.11899	1.3194395
7051037703c	370510	3770305	1.183551801	0.11476	1.2983113
7052037703c	370520	3770305	1.145068254	0.109982	1.2550503
7053037703c	370530	3770305	1.088375729	0.10482	1.1931953
7054037703c	370540	3770305	1.02029862	0.099454	1.1197531
7055037703c	370550	3770305	0.954676386	0.094186	1.0488625
7056037703c	370560	3770305	0.880934791	0.08891	0.9698453
7057037703c	370570	3770305	0.805914119	0.083774	0.8896876
7050037703s	370500	3770315	1.46951697	0.131911	1.6014283
7051037703s	370510	3770315	1.454684439	0.126948	1.5816322
7052037703s	370520	3770315	1.408431092	0.121272	1.5297035
7053037703s	370530	3770315	1.335968575	0.115104	1.451073
7054037703s	370540	3770315	1.249785767	0.108732	1.3585178
7055037703s	370550	3770315	1.157700137	0.10238	1.2600799
7056037703s	370560	3770315	1.054905212	0.096073	1.1509782
7057037703s	370570	3770315	0.956638697	0.090075	1.0467134
7050037703i	370500	3770325	1.848846848	0.147809	1.9966563
7051037703i	370510	3770325	1.840830767	0.141864	1.9826948
7052037703i	370520	3770325	1.782390434	0.13495	1.9173401
7053037703i	370530	3770325	1.692743789	0.127479	1.8202225
7054037703i	370540	3770325	1.570556143	0.119623	1.6901789
7055037703i	370550	3770325	1.450267252	0.111946	1.5622129
7056037703i	370560	3770325	1.315058439	0.104424	1.419482
7057037703i	370570	3770325	1.181287596	0.097321	1.2786088
7050037703e	370500	3770335	2.364410389	0.167487	2.5318972
7051037703e	370510	3770335	2.36411644	0.1602	2.5243166
7052037703e	370520	3770335	2.290112674	0.151589	2.4417014
7053037703e	370530	3770335	2.175313488	0.142255	2.3175681
7054037703e	370540	3770335	2.02535159	0.13251	2.1578615
7055037703e	370550	3770335	1.879981658	0.123092	2.0030735

## Max GLC for Chronic Calcs

Max GLC: 0.04723

XY	X	Y	2024	2025	2026	2027	2028
3705003770265	370500	3770265	0.0010374	0.0033995	0.0031355	0.0020786	0.001476
3705103770265	370510	3770265	0.0010141	0.0033212	0.0030356	0.002032	0.0014429
3705203770265	370520	3770265	0.000984	0.0032216	0.0029611	0.0019716	0.0014
3705303770265	370530	3770265	0.0009496	0.0031089	0.0028568	0.0019027	0.0013511
3705403770265	370540	3770265	0.0009082	0.0029745	0.0027375	0.0018198	0.0012922
3705503770265	370550	3770265	0.0008651	0.0028349	0.0026147	0.0017334	0.0012309
3705603770265	370560	3770265	0.0008184	0.0026844	0.0024848	0.0016399	0.0011645
3705703770265	370570	3770265	0.0007696	0.0025274	0.0023508	0.001542	0.001095
3705003770275	370500	3770275	0.0012013	0.0039165	0.0035405	0.002407	0.0017092
3705103770275	370510	3770275	0.0011762	0.003832	0.0034537	0.0023568	0.0016736
3705203770275	370520	3770275	0.0011402	0.0037135	0.0033428	0.0022847	0.0016223
3705303770275	370530	3770275	0.0010966	0.0035716	0.0032153	0.0021973	0.0015603
3705403770275	370540	3770275	0.0010425	0.0033973	0.0030656	0.0020888	0.0014833
3705503770275	370550	3770275	0.0009887	0.0032239	0.0029168	0.001981	0.0014067
3705603770275	370560	3770275	0.0009301	0.0030364	0.0027587	0.0018637	0.0013234
3705703770275	370570	3770275	0.0008694	0.0028421	0.0025968	0.001742	0.001237
3705003770285	370500	3770285	0.0014075	0.0045648	0.0040402	0.0028201	0.0020025
3705103770285	370510	3770285	0.0013805	0.0044735	0.0039447	0.0027662	0.0019643
3705203770285	370520	3770285	0.0013361	0.004328	0.0038114	0.0026771	0.001901
3705303770285	370530	3770285	0.0012864	0.0041663	0.0036664	0.0025775	0.0018303
3705403770285	370540	3770285	0.0012109	0.0039256	0.003468	0.0024263	0.0017229
3705503770285	370550	3770285	0.0011443	0.0037121	0.0032883	0.0022929	0.0016281
3705603770285	370560	3770285	0.0010739	0.0034871	0.0031015	0.0021518	0.0015279
3705703770285	370570	3770285	0.0009983	0.0032465	0.0029051	0.0020003	0.0014204
3705003770295	370500	3770295	0.0016694	0.0053857	0.0046627	0.0033449	0.0023752
3705103770295	370510	3770295	0.0016406	0.0052873	0.0045573	0.0032873	0.0023343
3705203770295	370520	3770295	0.0015917	0.0051269	0.0044086	0.0031893	0.0022647
3705303770295	370530	3770295	0.0015248	0.0049109	0.004222	0.0030551	0.0021694
3705403770295	370540	3770295	0.0014264	0.0045988	0.0039711	0.002858	0.0020294
3705503770295	370550	3770295	0.0013421	0.0043301	0.0037496	0.0026892	0.0019096
3705603770295	370560	3770295	0.0012482	0.0040319	0.0035093	0.0025009	0.0017759
3705703770295	370570	3770295	0.0011496	0.00372	0.0032612	0.0023035	0.0016357
3705003770305	370500	3770305	0.0020129	0.0064587	0.0054626	0.0040333	0.002864
3705103770305	370510	3770305	0.0019846	0.0063598	0.0053498	0.0039765	0.0028237
3705203770305	370520	3770305	0.0019201	0.0061498	0.0051612	0.0038472	0.0027319
3705303770305	370530	3770305	0.001825	0.0058462	0.0049096	0.0036568	0.0025966
3705403770305	370540	3770305	0.0017109	0.0054842	0.0046192	0.003428	0.0024342
3705503770305	370550	3770305	0.0016008	0.005135	0.004338	0.0032076	0.0022777
3705603770305	370560	3770305	0.0014772	0.0047446	0.004031	0.0029598	0.0021017
3705703770305	370570	3770305	0.0013514	0.0043481	0.0037218	0.0027077	0.0019227
3705003770315	370500	3770315	0.0024641	0.0078636	0.006494	0.0049373	0.003506
3705103770315	370510	3770315	0.0024392	0.0077729	0.0063775	0.0048875	0.0034706
3705203770315	370520	3770315	0.0023617	0.0075207	0.0061517	0.0047321	0.0033602
3705303770315	370530	3770315	0.0022402	0.007134	0.0058362	0.0044886	0.0031873
3705403770315	370540	3770315	0.0020957	0.006677	0.0054745	0.0041991	0.0029817
3705503770315	370550	3770315	0.0019413	0.0061902	0.0050944	0.0038897	0.002762
3705603770315	370560	3770315	0.0017689	0.0056492	0.0046811	0.0035443	0.0025168
3705703770315	370570	3770315	0.0016041	0.0051321	0.0042865	0.0032141	0.0022823
3705003770325	370500	3770325	0.0031002	0.009837	0.0079155	0.0062118	0.004411
3705103770325	370510	3770325	0.0030867	0.0097778	0.0078068	0.0061849	0.0043918
3705203770325	370520	3770325	0.0029887	0.0094599	0.0075251	0.0059885	0.0042524
3705303770325	370530	3770325	0.0028384	0.008982	0.007137	0.0056873	0.0040385
3705403770325	370540	3770325	0.0026335	0.0083379	0.0066407	0.0052768	0.003747
3705503770325	370550	3770325	0.0024318	0.0077039	0.006153	0.0048727	0.00346
3705603770325	370560	3770325	0.0022051	0.0069947	0.0056202	0.0044184	0.0031375
3705703770325	370570	3770325	0.0019808	0.0062941	0.0050979	0.0039689	0.0028183
3705003770335	370500	3770335</					

7056037703:	370560	3770335	1.707528653	0.11401	1.8215382	3705603770335	370560	3770335	0.0028632	0.0090152	0.0069947	0.005737	0.0040738
7057037703:	370570	3770335	1.522149815	0.10552	1.6276701	3705703770335	370570	3770335	0.0025524	0.0080485	0.0062899	0.0051142	0.0036315
7050037703:	370500	3770345	3.037554682	0.192405	3.2299599	3705003770345	370500	3770345	0.0050934	0.0160049	0.012297	0.0102057	0.007247
7051037703:	370510	3770345	3.030841511	0.183157	3.2139984	3705103770345	370510	3770345	0.0050822	0.0159421	0.012146	0.0101831	0.007231
7052037703:	370520	3770345	2.95325474	0.172138	3.1253931	3705203770345	370520	3770345	0.0049521	0.0155143	0.0117462	0.0099224	0.0070459
7053037703:	370530	3770345	2.838018602	0.160166	2.9981841	3705303770345	370530	3770345	0.0047588	0.0148926	0.0112141	0.0095353	0.0067709
7054037703:	370540	3770345	2.715624397	0.147955	2.8635798	3705403770345	370540	3770345	0.0045536	0.0142339	0.0106561	0.009124	0.0064789
7055037703:	370550	3770345	2.574671653	0.136234	2.7109061	3705503770345	370550	3770345	0.0043173	0.0134825	0.0100462	0.0086505	0.0061426
7056037703:	370560	3770345	2.359588029	0.125088	2.4846762	3705603770345	370560	3770345	0.0039566	0.0123569	0.0092103	0.0079278	0.0056295
7057037703:	370570	3770345	2.090242922	0.114851	2.2050937	3705703770345	370570	3770345	0.003505	0.0109589	0.0082157	0.0070229	0.0049869
7063037702:	370630	3770260	0.2864339	0.047039	0.3334731	3706303770260	370630	3770260	0.0004803	0.001599	0.0015651	0.0009624	0.0006834
7061037702:	370610	3770270	0.364370233	0.054412	0.4187819	3706103770270	370610	3770270	0.000611	0.0020172	0.0019148	0.0012242	0.0008693
7062037702:	370620	3770270	0.337382493	0.051753	0.3891353	3706203770270	370620	3770270	0.0005657	0.0018721	0.0017922	0.0011335	0.0008049
7063037702:	370630	3770270	0.312770183	0.049231	0.3620011	3706303770270	370630	3770270	0.0005245	0.0017394	0.0016791	0.0010509	0.0007462
7061037702:	370610	3770280	0.403108007	0.057277	0.4603847	3706103770280	370610	3770280	0.0006759	0.0022226	0.0020774	0.0013544	0.0009617
7062037702:	370620	3770280	0.371488577	0.054328	0.4258163	3706203770280	370620	3770280	0.0006229	0.0020531	0.0019361	0.0012481	0.0008863
7063037702:	370630	3770280	0.343468042	0.051558	0.3950256	3706303770280	370630	3770280	0.0005759	0.0019024	0.0018087	0.0011154	0.0008194
7061037702:	370610	3770290	0.450322648	0.060388	0.5107107	3706103770290	370610	3770290	0.0007551	0.0024718	0.0022702	0.001513	0.0010744
7062037702:	370620	3770290	0.41364252	0.057123	0.4707659	3706203770290	370620	3770290	0.0006936	0.0022756	0.0021085	0.0013898	0.0009869
7063037702:	370630	3770290	0.38108563	0.054054	0.4351396	3706303770290	370630	3770290	0.000639	0.0021009	0.0019626	0.0012804	0.0009092
7061037703:	370610	3770300	0.508834482	0.063755	0.5725894	3706103770300	370610	3770300	0.0008532	0.002779	0.0025023	0.0017096	0.001214
7062037703:	370620	3770300	0.46588608	0.06012	0.5260059	3706203770300	370620	3770300	0.0007812	0.0025499	0.0023156	0.0015653	0.0011115
7063037703:	370630	3770300	0.428077823	0.056711	0.4847888	3706303770300	370630	3770300	0.0007178	0.0023475	0.0021483	0.0014383	0.0010213
7061037703:	370610	3770310	0.583561204	0.067385	0.6509457	3706103770310	370610	3770310	0.0009785	0.0031693	0.0027894	0.0019607	0.0013923
7062037703:	370620	3770310	0.533176676	0.063322	0.5964991	3706203770310	370620	3770310	0.000894	0.0029011	0.0025732	0.0017914	0.001272
7063037703:	370630	3770310	0.490466612	0.059554	0.5500207	3706303770310	370630	3770310	0.0008224	0.0026728	0.0023853	0.0016479	0.0011702
7061037703:	370610	3770320	0.686268739	0.071317	0.7575858	3706103770320	370610	3770320	0.0011507	0.0037025	0.003169	0.0023057	0.0016373
7062037703:	370620	3770320	0.62708956	0.06677	0.6938591	3706203770320	370620	3770320	0.0010515	0.0033882	0.0029182	0.0021069	0.0014961
7063037703:	370630	3770320	0.578413116	0.062594	0.6410074	3706303770320	370630	3770320	0.0009699	0.0031283	0.0027059	0.0019434	0.00138
7061037703:	370610	3770330	0.843817712	0.075627	0.9194451	3706103770330	370610	3770330	0.0014149	0.004515	0.0037273	0.0028351	0.0020132
7062037703:	370620	3770330	0.773095058	0.07052	0.8436147	3706203770330	370620	3770330	0.0012963	0.0041404	0.0034322	0.0025975	0.0018444
7063037703:	370630	3770330	0.714495833	0.065866	0.7803621	3706303770330	370630	3770330	0.0011981	0.0038287	0.0031817	0.0024006	0.0017046
7061037703:	370610	3770340	1.113393212	0.080328	1.1937214	3706103770340	370610	3770340	0.001867	0.0058969	0.0046449	0.0037408	0.0026563
7062037703:	370620	3770340	1.021712755	0.074567	1.0962799	3706203770340	370620	3770340	0.0017132	0.005414	0.0042744	0.0034328	0.0024376
7063037703:	370630	3770340	0.941488383	0.069383	1.0108711	3706303770340	370630	3770340	0.0015787	0.004991	0.0039482	0.0031632	0.0022462
7061037703:	370610	3770350	1.636202211	0.085365	1.721567	3706103770350	370610	3770350	0.0027436	0.0085643	0.0063674	0.0054974	0.0039036
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7061037703:	370610	3770360	2.763903612	0.090932	2.854836	3706103770360	370610	3770360	0.0046346	0.0143015	0.0100083	0.0092863	0.0065941
7062037703:	370620	3770360	2.355401235	0.083708	2.4391091	3706203770360	370620	3770360	0.0039496	0.0122071	0.0086163	0.0079138	0.0056195
7063037703:	370630	3770360	2.010527003	0.077312	2.0878387	3706303770360	370630	3770360	0.0033713	0.0104379	0.007437	0.006755	0.0047967
7061037703:	370610	3770370	4.687215012	0.097212	4.7844268	3706103770370	370610	3770370	0.0078596	0.0240763	0.0161729	0.0157483	0.0111827
7062037703:	370620	3770370	3.721797553	0.08908	3.8108778	3706203770370	370620	3770370	0.0062408	0.0191543	0.0130087	0.0125046	0.0088794
7063037703:	370630	3770370	3.010384217	0.081961	3.0923457	3706303770370	370630	3770370	0.0050479	0.0155238	0.0106612	0.0101144	0.0071822
7061037703:	370610	3770380	6.973967128	0.104312	7.0782794	3706103770380	370610	3770380	0.0116941	0.0356971	0.0234972	0.0234314	0.0166384
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7040137702:	370401	3770260	0.540859085	0.096352	0.6372113	3704013770260	370401	3770260	0.0009069	0.0030428	0.0030361	0.0018172	0.0012904
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7043137702:	370431	3770260	0.578111222	0.093133	0.6712444	3704313770260	370431	3770260	0.0009694	0.0032217	0.0031335	0.0019424	0.0013793
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7045137702:	370451	3770260	0.592117517	0.090383	0.6825007	3704513770260	370451	3770260	0.0009929	0.0032842	0.0031391	0.0019894	0.0014127
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7047137702:	370471	3770260	0.594461169	0.087022	0.6814829	3704713770260	370471	3770260	0.0009968	0.0032856	0.0030994	0.0019973	0.0014183
7040137702:	370401	3770270	0.610461553	0.103916	0.7143778	3704013770270	370401	3770270	0.0010236	0.0034193	0.003387	0.002051	0.0014564
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7046137703s	370461	3770310	1.284884923	0.138048	1.4229332	3704613770310	370461	3770310	0.0021545	0.0069462	0.0059968	0.004317	0.0030655
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7040137703s	370401	3770330	1.429047278	0.176235	1.6052825	3704013770330	370401	3770330	0.0023963	0.0077961	0.0069882	0.0048014	0.0034094
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7035037702f	370350	3770290	0.618159852	0.125216	0.7433758	3703503770290	370350	3770290	0.0010365	0.0035246	0.0037103	0.0020769	0.0014748
7036037702f	370360	3770290	0.652393049	0.12472	0.7771126	3703603770290	370360	3770290	0.0010939	0.0036966	0.0038115	0.0021919	0.0015565
7037037702f	370370	3770290	0.686221072	0.124123	0.8103439	3703703770290	370370	3770290	0.0011507	0.0038664	0.00391	0.0023056	0.0016372
7034037703f	370340	3770300	0.647276739	0.136092	0.7833688	3703403770300	370340	3770300	0.0010854	0.003706	0.0039549	0.0021747	0.0015443
7035037703f	370350	3770300	0.689311513	0.135716	0.8250277	3703503770300	370350	3770300	0.0011559	0.0039181	0.0040824	0.002316	0.0016446
7036037703f	370360	3770300	0.731815018	0.135254	0.8670695	3703603770300	370360	3770300	0.0012271	0.0041322	0.0042102	0.0024588	0.001746
7037037703f	370370	3770300	0.77455686	0.134756	0.9093131	3703703770300	370370	3770300	0.0012988	0.0043475	0.0043383	0.0026024	0.0018479
7034037703f	370340	3770310	0.71872235	0.147888	0.8666103	3703403770310	370340	3770310	0.0012052	0.0041051	0.0043462	0.0024148	0.0017147
7035037703f	370350	3770310	0.771196303	0.147587	0.9187831	3703503770310	370350	3770310	0.0012932	0.0043703	0.0045077	0.0025911	0.0018399
7036037703f	370360	3770310	0.82482222	0.147215	0.9720368	3703603770310	370360	3770310	0.0013831	0.0046411	0.0046719	0.0027713	0.0019679
7037037703f	370370	3770310	0.879012203	0.146809	1.0258216	3703703770310	370370	3770310	0.0014739	0.0049147	0.0048374	0.0029533	0.0020971
7034037703f	370340	3770320	0.800027185	0.161339	0.9613661	3703403770320	370340	3770320	0.0013415	0.0045593	0.0047918	0.002688	0.0019087
7035037703f	370350	3770320	0.86618965	0.161122	1.0273114	3703503770320	370350	3770320	0.0014524	0.0048942	0.0049978	0.0029103	0.0020665
7036037703f	370360	3770320	0.934687822	0.160861	1.0955486	3703603770320	370360	3770320	0.0015673	0.0052408	0.0052105	0.0031404	0.00223
7037037703f	370370	3770320	1.00439357	0.160583	1.164977	3703703770320	370370	3770320	0.0016842	0.0055935	0.0054269	0.0033746	0.0023963
7034037703f	370340	3770330	0.891866534	0.176682	1.0685488	3703403770330	370340	3770330	0.0014955	0.0050728	0.0052973	0.0029965	0.0021278
7035037703f	370350	3770330	0.976230032	0.176597	1.1528265	3703503770330	370350	3770330	0.001637	0.0055004	0.0055626	0.00328	0.0023291
7036037703f	370360	3770330	1.065249055	0.176487	1.2417361	3703603770330	370360	3770330	0.0017862	0.0059516	0.0058423	0.0035791	0.0025415
7037037703f	370370	3770330	1.156905679	0.176399	1.3333051	3703703770330	370370	3770330	0.0019399	0.0064162	0.0061307	0.003887	0.0027601
7034037703f	370340	3770340	0.995225524	0.194372	1.1895979	3703403770340	370340	3770340	0.0016688	0.005652	0.0058721	0.0033438	0.0023744
7035037703f	370350	3770340	1.103788214	0.194433	1.2982208	3703503770340	370350	3770340	0.0018509	0.0062029	0.0062159	0.0037085	0.0026334
7036037703f	370360	3770340	1.221447449	0.194511	1.4159585	3703603770340	370360	3770340	0.0020481	0.0067999	0.0065888	0.0041039	0.0029141
7037037703f	370370	3770340	1.345946968	0.194672	1.5406186	3703703770340	370370	3770340	0.0022569	0.0074319	0.0069843	0.0045222	0.0032112
7034037703f	370340	3770350	1.109794317	0.214918	1.3247127	3703403770350	370340	3770350	0.0018609	0.006297	0.0065224	0.0037287	0.0026477
7035037703f	370350	3770350	1.250039994	0.215139	1.4651792	3703503770350	370350	3770350	0.0020961	0.007009	0.0069686	0.0041999	0.0029823
7036037703f	370360	3770350	1.408335757	0.215453	1.6237889	3703603770350	370360	3770350	0.0023615	0.0078129	0.0074731	0.0047318	0.00336
7037037703f	370370	3770350	1.580391534	0.215891	1.7962826	3703703770350	370370	3770350	0.00265	0.0086869	0.0080228	0.0053099	0.0037705
7034037703f	370340	3770360	1.233570879	0.239025	1.4725956	3703403770360	370340	3770360	0.0020685	0.0069997	0.0072518	0.0041446	0.002993
7035037703f	370350	3770360	1.414739089	0.239439	1.6541781	3703503770360	370350	3770360	0.0023723	0.0079199	0.0078299	0.0047533	0.0033753
7036037703f	370360	3770360	1.631689689	0.240072	1.8717619	3703603770360	370360	3770360	0.002736	0.0090223	0.0085243	0.0054822	0.0038929
7037037703f	370370	3770360	1.876700547	0.240826	2.1175264	3703703770360	370370	3770360	0.0031469	0.0102674	0.0093089	0.0063054	0.0044774
7034037703f	370340	3770370	1.361319731	0.267609	1.628929	3703403770370	370340	3770370	0.0022827	0.0077365	0.0080565	0.0045738	0.0032478
7035037703f	370350	3770370	1.591402722	0.268244	1.859647	3703503770370	370350	3770370	0.0026685	0.0089055	0.0087923	0.0053468	0.0037968
7036037703f	370360	3770370	1.878567523	0.269122	2.1476895	3703603770370	370360	3770370	0.00315	0.0103648	0.0097119	0.0063117	0.0044819
7037037703f	370370	3770370	2.22544379	0.270266	2.49571	3703703770370	370370	3770370	0.0037317	0.0121277	0.0108239	0.0074771	0.0053094

## 9600 Wilshire BLVD Specific Plan Mitigated

Maximum Individual Non-Cancer Impact Calculations - Sensitive Receptors (Maximum Impacted Senior Residential Receptor) (IMPACT AT ALL OTHER LOCATIONS ON THE PROJECT SITE WOULD BE LESS THAN SHOWN)

### Maximum Non-cancer Chronic Hazards / Toxicological Endpoints\*

Receptor Group	Pollutant	CREL <sup>1</sup>	CONC	WFrac	CONC <sub>WF</sub>	HI		ALIM	BN	CVS	DEV	ENDC	EYE	HEM	IMMUN	KIDN	NS	REPRO	RESP	SK	
<b>Project:</b>																					
MEI - Max	DPM	5.00E+00	4.72E-02	1.00E+00	4.72E-02	0.009		-	-	-	-	-	-	-	-	-	-	-	9.45E-03	-	
							<b>Total Risk</b>														
							<b>Threshold</b>				1.00			1.00				1.00	1.00		
							<b>Over?</b>				NO			NO				NO	NO		

Notes:

- California Air Resources Board, "Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values," "OEHHA/ARB Approved Chronic Reference Exposure Levels and Target Organs," "OEHHA/ARB Approved Acute Reference Exposure Levels and Target Organs," and "OEHHA/ARB Approved 8-Hour Reference Exposure Levels and Target Organs," <http://www.arb.ca.gov/toxics/healthval/healthval.htm>. Tables last updated: May 8, 2018. Downloaded: 08/14/18.

Source: ESA, 2020

Where:

CONC <sub>WF</sub>	Pollutant Concentration (µg/m <sup>3</sup> ) multiplied by the weight fraction
CREL	Chronic Reference Exposure Level
HI	Hazard Index
MEI	Maximally Exposed Individual
WFrac	Weight fraction of speciated component

\* Key to Toxicological Endpoints

ALIM	Alimentary Tract	EYE	Eye	NS	Nervous System
BN	Bone	HEM	Hematologic System	REPRO	Reproductive System
CVS	Cardiovascular System	IMMUN	Immune System	RESP	Respiratory System
DEV	Developmental System	KIDN	Kidney	SK	Skin
ENDC	Endocrine System				



XY	X	Y	CONC Construction Area	Conc Haul Route
3705003770265	370500	3770265	0.77872	0.46111
3705103770265	370510	3770265	0.76127	0.44718
3705203770265	370520	3770265	0.73864	0.43231
3705303770265	370530	3770265	0.71283	0.41689
3705403770265	370540	3770265	0.68177	0.40074
3705503770265	370550	3770265	0.6494	0.38451
3705603770265	370560	3770265	0.61437	0.36811
3705703770265	370570	3770265	0.57769	0.35176
3705003770275	370500	3770275	0.90174	0.49871
3705103770275	370510	3770275	0.88296	0.48322
3705203770275	370520	3770275	0.85592	0.46639
3705303770275	370530	3770275	0.8232	0.4487
3705403770275	370540	3770275	0.78256	0.43006
3705503770275	370550	3770275	0.74214	0.41156
3705603770275	370560	3770275	0.69822	0.39289
3705703770275	370570	3770275	0.65262	0.37435
3705003770285	370500	3770285	1.05652	0.5421
3705103770285	370510	3770285	1.03632	0.52461
3705203770285	370520	3770285	1.00294	0.50527
3705303770285	370530	3770285	0.96563	0.48523
3705403770285	370540	3770285	0.90898	0.4633
3705503770285	370550	3770285	0.85899	0.44213
3705603770285	370560	3770285	0.80613	0.42098
3705703770285	370570	3770285	0.74939	0.39989
3705003770295	370500	3770295	1.25313	0.5925
3705103770295	370510	3770295	1.23155	0.57248
3705203770295	370520	3770295	1.19485	0.5504
3705303770295	370530	3770295	1.14457	0.52679
3705403770295	370540	3770295	1.07071	0.50124
3705503770295	370550	3770295	1.00749	0.47671
3705603770295	370560	3770295	0.93694	0.45201
3705703770295	370570	3770295	0.86297	0.42763
3705003770305	370500	3770305	1.51103	0.65205
3705103770305	370510	3770305	1.48976	0.62887
3705203770305	370520	3770305	1.44132	0.60269
3705303770305	370530	3770305	1.36996	0.5744
3705403770305	370540	3770305	1.28427	0.545
3705503770305	370550	3770305	1.20167	0.51613
3705603770305	370560	3770305	1.10885	0.48722
3705703770305	370570	3770305	1.01442	0.45907
3705003770315	370500	3770315	1.84971	0.72286
3705103770315	370510	3770315	1.83104	0.69566
3705203770315	370520	3770315	1.77282	0.66456
3705303770315	370530	3770315	1.68161	0.63076
3705403770315	370540	3770315	1.57313	0.59584
3705503770315	370550	3770315	1.45722	0.56103

3705603770315	370560	3770315	1.32783	0.52647
3705703770315	370570	3770315	1.20414	0.4936
3705003770325	370500	3770325	2.32718	0.80998
3705103770325	370510	3770325	2.31709	0.7774
3705203770325	370520	3770325	2.24353	0.73951
3705303770325	370530	3770325	2.13069	0.69857
3705403770325	370540	3770325	1.97689	0.65552
3705503770325	370550	3770325	1.82548	0.61345
3705603770325	370560	3770325	1.65529	0.57223
3705703770325	370570	3770325	1.48691	0.53331
3705003770335	370500	3770335	2.97613	0.91781
3705103770335	370510	3770335	2.97576	0.87788
3705203770335	370520	3770335	2.88261	0.83069
3705303770335	370530	3770335	2.73811	0.77954
3705403770335	370540	3770335	2.54935	0.72614
3705503770335	370550	3770335	2.36637	0.67453
3705603770335	370560	3770335	2.1493	0.62476
3705703770335	370570	3770335	1.91596	0.57824
3705003770345	370500	3770345	3.82343	1.05436
3705103770345	370510	3770345	3.81498	1.00368
3705203770345	370520	3770345	3.71732	0.9433
3705303770345	370530	3770345	3.57227	0.87769
3705403770345	370540	3770345	3.41821	0.81078
3705503770345	370550	3770345	3.24079	0.74655
3705603770345	370560	3770345	2.97006	0.68547
3705703770345	370570	3770345	2.63103	0.62937
3706303770260	370630	3770260	0.36054	0.25777
3706103770270	370610	3770270	0.45864	0.29817
3706203770270	370620	3770270	0.42467	0.2836
3706303770270	370630	3770270	0.39369	0.26978
3706103770280	370610	3770280	0.5074	0.31387
3706203770280	370620	3770280	0.4676	0.29771
3706303770280	370630	3770280	0.43233	0.28253
3706103770290	370610	3770290	0.56683	0.33092
3706203770290	370620	3770290	0.52066	0.31303
3706303770290	370630	3770290	0.47968	0.29621
3706103770300	370610	3770300	0.64048	0.34937
3706203770300	370620	3770300	0.58642	0.32945
3706303770300	370630	3770300	0.53883	0.31077
3706103770310	370610	3770310	0.73454	0.36926
3706203770310	370620	3770310	0.67112	0.347
3706303770310	370630	3770310	0.61736	0.32635
3706103770320	370610	3770320	0.86382	0.39081
3706203770320	370620	3770320	0.78933	0.36589
3706303770320	370630	3770320	0.72806	0.34301
3706103770330	370610	3770330	1.06213	0.41443
3706203770330	370620	3770330	0.97311	0.38644

3706303770330	370630	3770330	0.89935	0.36094
3706103770340	370610	3770340	1.40145	0.44019
3706203770340	370620	3770340	1.28605	0.40862
3706303770340	370630	3770340	1.18507	0.38021
3706103770350	370610	3770350	2.05952	0.46779
3706203770350	370620	3770350	1.87025	0.43249
3706303770350	370630	3770350	1.6859	0.40096
3706103770360	370610	3770360	3.47898	0.4983
3706203770360	370620	3770360	2.96479	0.45871
3706303770360	370630	3770360	2.53069	0.42366
3706103770370	370610	3770370	5.89989	0.53271
3706203770370	370620	3770370	4.6847	0.48815
3706303770370	370630	3770370	3.78923	0.44914
3706103770380	370610	3770380	8.77827	0.57162
3706203770380	370620	3770380	6.82633	0.52174
3706303770380	370630	3770380	5.39646	0.47843
3706103770390	370610	3770390	11.63392	0.61771
3706203770390	370620	3770390	9.0959	0.56138
3706303770390	370630	3770390	7.16746	0.51283
3706203770400	370620	3770400	11.2771	0.60975
3706303770400	370630	3770400	8.95513	0.55461
3704013770260	370401	3770260	0.68079	0.528
3704113770260	370411	3770260	0.69867	0.52272
3704213770260	370421	3770260	0.71459	0.5169
3704313770260	370431	3770260	0.72768	0.51036
3704413770260	370441	3770260	0.73804	0.50318
3704513770260	370451	3770260	0.74531	0.49529
3704613770260	370461	3770260	0.7489	0.48656
3704713770260	370471	3770260	0.74826	0.47687
3704013770270	370401	3770270	0.7684	0.56945
3704113770270	370411	3770270	0.79117	0.56408
3704213770270	370421	3770270	0.81171	0.55812
3704313770270	370431	3770270	0.82877	0.55131
3704413770270	370441	3770270	0.843	0.54383
3704513770270	370451	3770270	0.85338	0.53547
3704613770270	370461	3770270	0.85963	0.52616
3704713770270	370471	3770270	0.8582	0.51523
3704013770280	370401	3770280	0.87027	0.6157
3704113770280	370411	3770280	0.89873	0.61026
3704213770280	370421	3770280	0.92496	0.60426
3704313770280	370431	3770280	0.94779	0.59743
3704413770280	370441	3770280	0.96785	0.58989
3704513770280	370451	3770280	0.9837	0.5813
3704613770280	370461	3770280	0.99427	0.57146
3704713770280	370471	3770280	0.996	0.55981
3704013770290	370401	3770290	0.99094	0.66806
3704113770290	370411	3770290	1.02717	0.66284

3704213770290	370421	3770290	1.06104	0.65704
3704313770290	370431	3770290	1.09167	0.6504
3704413770290	370441	3770290	1.11906	0.64283
3704513770290	370451	3770290	1.14262	0.63413
3704613770290	370461	3770290	1.15972	0.62381
3704713770290	370471	3770290	1.16989	0.61181
3704013770300	370401	3770300	1.13493	0.72758
3704113770300	370411	3770300	1.18316	0.72325
3704213770300	370421	3770300	1.22627	0.7178
3704313770300	370431	3770300	1.26599	0.71144
3704413770300	370441	3770300	1.30245	0.704
3704513770300	370451	3770300	1.33582	0.69527
3704613770300	370461	3770300	1.36266	0.68462
3704713770300	370471	3770300	1.38285	0.67195
3704013770310	370401	3770310	1.31071	0.79598
3704113770310	370411	3770310	1.374	0.79278
3704213770310	370421	3770310	1.43131	0.78842
3704313770310	370431	3770310	1.48234	0.78274
3704413770310	370441	3770310	1.52855	0.77557
3704513770310	370451	3770310	1.57475	0.7671
3704613770310	370461	3770310	1.61731	0.75649
3704713770310	370471	3770310	1.65095	0.74299
3704013770320	370401	3770320	1.52812	0.87483
3704113770320	370411	3770320	1.6056	0.8726
3704213770320	370421	3770320	1.67878	0.86974
3704313770320	370431	3770320	1.74593	0.86567
3704413770320	370441	3770320	1.80831	0.85992
3704513770320	370451	3770320	1.87252	0.85243
3704613770320	370461	3770320	1.9355	0.84217
3704713770320	370471	3770320	1.99603	0.82853
3704013770330	370401	3770330	1.79877	0.96575
3704113770330	370411	3770330	1.90073	0.96591
3704213770330	370421	3770330	1.9941	0.9654
3704313770330	370431	3770330	2.07819	0.96371
3704413770330	370441	3770330	2.15776	0.96031
3704513770330	370451	3770330	2.24457	0.95491
3704613770330	370461	3770330	2.34239	0.94645
3704713770330	370471	3770330	2.44464	0.9333
3704013770340	370401	3770340	2.15793	1.07234
3704113770340	370411	3770340	2.28289	1.07512
3704213770340	370421	3770340	2.40062	1.07798
3704313770340	370431	3770340	2.5019	1.08036
3704413770340	370441	3770340	2.59778	1.08096
3704513770340	370451	3770340	2.71471	1.07983
3704613770340	370461	3770340	2.8628	1.07531
3704713770340	370471	3770340	3.01823	1.06362
3704013770350	370401	3770350	2.62579	1.19675

3704113770350	370411	3770350	2.79005	1.20359
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375784	3757100

## Alternatives CalEEMod Outputs

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# 9600 Wilshire Boulevard Specific Plan - Alternative 2 Custom Report

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# 1. Basic Project Information

## 1.1. Basic Project Information

Data Field	Value
Project Name	9600 Wilshire Boulevard Specific Plan - Alternative 2
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	19.6
Location	9600 Wilshire Blvd, Beverly Hills, CA 90210, USA
County	Los Angeles-South Coast
City	Beverly Hills
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4315
EDFZ	16
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.21

## 1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	239	Dwelling Unit	3.20	548,299	0.00	0.00	707	—

Hotel	0.00	Room	0.00	0.00	0.00	0.00	—	—
Quality Restaurant	104	1000sqft	0.00	104,340	0.00	0.00	—	—
Health Club	0.00	1000sqft	0.00	0.00	0.00	0.00	—	—
Regional Shopping Center	107	1000sqft	0.00	107,000	0.00	0.00	—	—
General Office Building	0.00	1000sqft	0.00	0.00	0.00	0.00	—	—
Enclosed Parking with Elevator	937	Space	0.00	374,800	0.00	0.00	—	—
Parking Lot	12.0	Space	0.00	0.00	0.00	0.00	—	—

### 1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

## 2. Emissions Summary

### 2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	68.6	56.5	336	0.63	1.75	59.6	61.3	1.71	15.1	16.8	300	73,176	73,476	34.9	2.50	324	75,416
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	62.7	58.0	280	0.60	1.70	59.6	61.3	1.68	15.1	16.7	300	70,287	70,587	35.0	2.63	172	72,417
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	56.6	33.4	216	0.37	0.97	34.4	35.4	0.95	8.72	9.67	300	46,835	47,135	34.0	2.06	208	48,807

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.3	6.10	39.4	0.07	0.18	6.29	6.46	0.17	1.59	1.76	49.7	7,754	7,804	5.63	0.34	34.4	8,081

## 2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	38.6	19.1	275	0.57	0.33	59.6	59.9	0.31	15.1	15.4	—	58,493	58,493	3.48	2.15	157	59,378
Area	22.3	0.34	39.1	< 0.005	0.05	—	0.05	0.04	—	0.04	0.00	141	141	0.01	< 0.005	—	142
Energy	0.19	3.40	2.60	0.02	0.26	—	0.26	0.26	—	0.26	—	10,387	10,387	0.96	0.08	—	10,435
Water	—	—	—	—	—	—	—	—	—	—	92.9	313	406	9.56	0.23	—	714
Waste	—	—	—	—	—	—	—	—	—	—	207	0.00	207	20.7	0.00	—	724
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	168	168
Stationary	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855
Total	68.6	56.5	336	0.63	1.75	59.6	61.3	1.71	15.1	16.8	300	73,176	73,476	34.9	2.50	324	75,416
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	38.0	21.1	258	0.54	0.33	59.6	59.9	0.31	15.1	15.4	—	55,745	55,745	3.64	2.29	4.06	56,521
Area	17.0	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
Energy	0.19	3.40	2.60	0.02	0.26	—	0.26	0.26	—	0.26	—	10,387	10,387	0.96	0.08	—	10,435
Water	—	—	—	—	—	—	—	—	—	—	92.9	313	406	9.56	0.23	—	714
Waste	—	—	—	—	—	—	—	—	—	—	207	0.00	207	20.7	0.00	—	724
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	168	168
Stationary	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855

Total	62.7	58.0	280	0.60	1.70	59.6	61.3	1.68	15.1	16.7	300	70,287	70,587	35.0	2.63	172	72,417
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	32.6	16.0	179	0.34	0.22	34.4	34.7	0.21	8.72	8.93	—	34,457	34,457	2.72	1.74	40.2	35,084
Area	20.6	0.23	26.8	< 0.005	0.04	—	0.04	0.03	—	0.03	0.00	96.6	96.6	< 0.005	< 0.005	—	97.0
Energy	0.19	3.40	2.60	0.02	0.26	—	0.26	0.26	—	0.26	—	10,387	10,387	0.96	0.08	—	10,435
Water	—	—	—	—	—	—	—	—	—	—	92.9	313	406	9.56	0.23	—	714
Waste	—	—	—	—	—	—	—	—	—	—	207	0.00	207	20.7	0.00	—	724
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	168	168
Stationary	3.09	13.8	7.88	0.01	0.45	0.00	0.45	0.45	0.00	0.45	0.00	1,581	1,581	0.06	0.01	0.00	1,586
Total	56.6	33.4	216	0.37	0.97	34.4	35.4	0.95	8.72	9.67	300	46,835	47,135	34.0	2.06	208	48,807
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.95	2.92	32.6	0.06	0.04	6.29	6.33	0.04	1.59	1.63	—	5,705	5,705	0.45	0.29	6.66	5,809
Area	3.77	0.04	4.88	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	0.00	16.0	16.0	< 0.005	< 0.005	—	16.1
Energy	0.03	0.62	0.48	< 0.005	0.05	—	0.05	0.05	—	0.05	—	1,720	1,720	0.16	0.01	—	1,728
Water	—	—	—	—	—	—	—	—	—	—	15.4	51.9	67.2	1.58	0.04	—	118
Waste	—	—	—	—	—	—	—	—	—	—	34.3	0.00	34.3	3.43	0.00	—	120
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	27.7	27.7
Stationary	0.56	2.52	1.44	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	262	262	0.01	< 0.005	0.00	263
Total	10.3	6.10	39.4	0.07	0.18	6.29	6.46	0.17	1.59	1.76	49.7	7,754	7,804	5.63	0.34	34.4	8,081

## 4. Operations Emissions Details

### 4.1. Mobile Emissions by Land Use

#### 4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	3.01	1.34	25.5	0.05	0.03	5.84	5.87	0.03	1.48	1.50	—	5,480	5,480	0.29	0.15	14.9	5,548
Hotel	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
Quality Restaurant	26.3	10.8	200	0.41	0.23	44.3	44.5	0.21	11.2	11.4	—	41,761	41,761	2.38	1.25	113	42,308
Health Club	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
Regional Shopping Center	9.23	6.99	49.2	0.11	0.08	9.44	9.52	0.08	2.40	2.47	—	11,251	11,251	0.81	0.75	28.3	11,522
General Office Building	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
Enclosed Parking with Elevator	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
Parking Lot	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
Total	38.6	19.1	275	0.57	0.33	59.6	59.9	0.31	15.1	15.4	—	58,493	58,493	3.48	2.15	157	59,378
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	2.97	1.50	23.5	0.05	0.03	5.84	5.87	0.03	1.48	1.50	—	5,206	5,206	0.30	0.17	0.39	5,263
Hotel	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
Quality Restaurant	26.0	12.1	186	0.39	0.23	44.3	44.5	0.21	11.2	11.4	—	39,685	39,685	2.49	1.35	2.94	40,152

Health Club	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
Regional Shopping Center	9.10	7.49	48.1	0.10	0.08	9.44	9.52	0.08	2.40	2.47	—	10,853	10,853	0.85	0.77	0.73	11,105
General Office Building	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
Enclosed Parking with Elevator	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
Parking Lot	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
Total	38.0	21.1	258	0.54	0.33	59.6	59.9	0.31	15.1	15.4	—	55,745	55,745	3.64	2.29	4.06	56,521
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.54	0.28	4.40	0.01	0.01	1.05	1.06	< 0.005	0.27	0.27	—	874	874	0.05	0.03	1.07	885
Hotel	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
Quality Restaurant	3.79	1.33	19.7	0.03	0.02	3.66	3.68	0.02	0.93	0.95	—	3,144	3,144	0.26	0.14	3.72	3,196
Health Club	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
Regional Shopping Center	1.63	1.31	8.48	0.02	0.01	1.57	1.59	0.01	0.40	0.41	—	1,687	1,687	0.14	0.12	1.87	1,728
General Office Building	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
Enclosed Parking with Elevator	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

Parking Lot	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
Total	5.95	2.92	32.6	0.06	0.04	6.29	6.33	0.04	1.59	1.63	—	5,705	5,705	0.45	0.29	6.66	5,809

## 4.2. Energy

### 4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	744	744	0.07	0.01	—	749
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	3,223	3,223	0.31	0.04	—	3,242
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	1,010	1,010	0.10	0.01	—	1,016
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	1,312	1,312	0.13	0.02	—	1,320
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	6,290	6,290	0.60	0.07	—	6,327

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	744	744	0.07	0.01	—	749
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	3,223	3,223	0.31	0.04	—	3,242
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	1,010	1,010	0.10	0.01	—	1,016
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	1,312	1,312	0.13	0.02	—	1,320
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	6,290	6,290	0.60	0.07	—	6,327
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	123	123	0.01	< 0.005	—	124
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	534	534	0.05	0.01	—	537
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00



Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	167	167	0.02	< 0.005	—	168
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	217	217	0.02	< 0.005	—	219
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,041	1,041	0.10	0.01	—	1,048

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.04	0.60	0.25	< 0.005	0.05	—	0.05	0.05	—	0.05	—	760	760	0.07	< 0.005	—	762
Hotel	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
Quality Restaurant	0.15	2.65	2.23	0.02	0.20	—	0.20	0.20	—	0.20	—	3,168	3,168	0.28	0.01	—	3,176
Health Club	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
Regional Shopping Center	0.01	0.14	0.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	169	169	0.01	< 0.005	—	169
General Office Building	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

Enclosed Parking with Elevator	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
Parking Lot	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
Total	0.19	3.40	2.60	0.02	0.26	—	0.26	0.26	—	0.26	—	4,097	4,097	0.36	0.01	—	4,108
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.04	0.60	0.25	< 0.005	0.05	—	0.05	0.05	—	0.05	—	760	760	0.07	< 0.005	—	762
Hotel	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
Quality Restaurant	0.15	2.65	2.23	0.02	0.20	—	0.20	0.20	—	0.20	—	3,168	3,168	0.28	0.01	—	3,176
Health Club	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
Regional Shopping Center	0.01	0.14	0.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	169	169	0.01	< 0.005	—	169
General Office Building	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
Enclosed Parking with Elevator	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
Parking Lot	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
Total	0.19	3.40	2.60	0.02	0.26	—	0.26	0.26	—	0.26	—	4,097	4,097	0.36	0.01	—	4,108
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.01	0.11	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	126	126	0.01	< 0.005	—	126

Hotel	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
Quality Restaurant	0.03	0.48	0.41	< 0.005	0.04	—	0.04	0.04	—	0.04	—	524	524	0.05	< 0.005	—	526
Health Club	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
Regional Shopping Center	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	28.0	28.0	< 0.005	< 0.005	—	28.0
General Office Building	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
Enclosed Parking with Elevator	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
Parking Lot	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
<b>Total</b>	<b>0.03</b>	<b>0.62</b>	<b>0.48</b>	<b>&lt; 0.005</b>	<b>0.05</b>	<b>—</b>	<b>0.05</b>	<b>0.05</b>	<b>—</b>	<b>0.05</b>	<b>—</b>	<b>678</b>	<b>678</b>	<b>0.06</b>	<b>&lt; 0.005</b>	<b>—</b>	<b>680</b>

### 4.3. Area Emissions by Source

#### 4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	16.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscaping Equipment	5.37	0.34	39.1	< 0.005	0.05	—	0.05	0.04	—	0.04	—	141	141	0.01	< 0.005	—	142
Total	22.3	0.34	39.1	< 0.005	0.05	—	0.05	0.04	—	0.04	0.00	141	141	0.01	< 0.005	—	142
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	16.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	17.0	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	2.97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscaping Equipment	0.67	0.04	4.88	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	16.0	16.0	< 0.005	< 0.005	—	16.1
Total	3.77	0.04	4.88	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	0.00	16.0	16.0	< 0.005	< 0.005	—	16.1

#### 4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	17.1	57.5	74.6	1.76	0.04	—	131
Hotel	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	60.7	204	265	6.24	0.15	—	466
Health Club	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	15.2	51.2	66.4	1.56	0.04	—	117
General Office Building	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	92.9	313	406	9.56	0.23	—	714
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	17.1	57.5	74.6	1.76	0.04	—	131
Hotel	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Quality Restaurant	—	—	—	—	—	—	—	—	—	—	60.7	204	265	6.24	0.15	—	466
Health Club	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	15.2	51.2	66.4	1.56	0.04	—	117
General Office Building	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	92.9	313	406	9.56	0.23	—	714
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	2.83	9.52	12.3	0.29	0.01	—	21.7
Hotel	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	10.0	33.9	43.9	1.03	0.02	—	77.2
Health Club	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	2.51	8.47	11.0	0.26	0.01	—	19.3
General Office Building	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	15.4	51.9	67.2	1.58	0.04	—	118

### 4.5. Waste Emissions by Land Use

#### 4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	95.2	0.00	95.2	9.51	0.00	—	333
Hotel	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	51.3	0.00	51.3	5.13	0.00	—	180
Health Club	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	60.5	0.00	60.5	6.05	0.00	—	212
General Office Building	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	207	0.00	207	20.7	0.00	—	724
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	95.2	0.00	95.2	9.51	0.00	—	333
Hotel	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	51.3	0.00	51.3	5.13	0.00	—	180
Health Club	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	60.5	0.00	60.5	6.05	0.00	—	212
General Office Building	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	207	0.00	207	20.7	0.00	—	724
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	15.8	0.00	15.8	1.58	0.00	—	55.1
Hotel	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	8.50	0.00	8.50	0.85	0.00	—	29.7



Health Club	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	10.0	0.00	10.0	1.00	0.00	—	35.1
General Office Building	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	34.3	0.00	34.3	3.43	0.00	—	120

## 4.6. Refrigerant Emissions by Land Use

### 4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.93	3.93
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	163	163
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.51	0.51
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	168	168
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.93	3.93
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	163	163
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.51	0.51
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	168	168
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.65	0.65
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	27.0	27.0
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.09	0.09
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	27.7	27.7

### 4.7. Offroad Emissions By Equipment Type

#### 4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

### 4.8. Stationary Emissions By Equipment Type

#### 4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855
Total	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855
Total	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.56	2.52	1.44	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	262	262	0.01	< 0.005	0.00	263
Total	0.56	2.52	1.44	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	262	262	0.01	< 0.005	0.00	263

#### 4.9. User Defined Emissions By Equipment Type

##### 4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
----------------	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

#### 4.10. Soil Carbon Accumulation By Vegetation Type

##### 4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

##### 4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
----------	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## 5. Activity Data

### 5.9. Operational Mobile Sources

#### 5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	908	908	908	331,493	8,334	8,334	8,334	3,042,015
Hotel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quality Restaurant	8,262	8,262	2,001	2,689,064	24,903	63,213	15,312	10,587,010
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	3,394	3,394	3,394	1,238,825	11,869	13,265	13,265	4,477,780

General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	68
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

### 5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
448731.89999999997	149,577	395,718	131,906	—



### 5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

### 5.11. Operational Energy Consumption

#### 5.11.1. Unmitigated

#### Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	784,755	346	0.0330	0.0040	2,372,161
Hotel	0.00	346	0.0330	0.0040	0.00
Quality Restaurant	3,398,363	346	0.0330	0.0040	9,884,090
Health Club	0.00	346	0.0330	0.0040	0.00
Regional Shopping Center	1,065,349	346	0.0330	0.0040	526,883
General Office Building	0.00	346	0.0330	0.0040	0.00
Enclosed Parking with Elevator	1,383,549	346	0.0330	0.0040	0.00
Parking Lot	0.00	346	0.0330	0.0040	0.00

### 5.12. Operational Water and Wastewater Consumption

#### 5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	8,908,438	0.00
Hotel	0.00	0.00
Quality Restaurant	31,670,708	0.00
Health Club	0.00	0.00

Regional Shopping Center	7,925,760	0.00
General Office Building	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00
Parking Lot	0.00	0.00

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	177	—
Hotel	0.00	—
Quality Restaurant	95.2	—
Health Club	0.00	—
Regional Shopping Center	112	—
General Office Building	0.00	—
Enclosed Parking with Elevator	0.00	—
Parking Lot	0.00	—

## 5.14. Operational Refrigeration and Air Conditioning Equipment

### 5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00

Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

## 5.15. Operational Off-Road Equipment

### 5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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## 5.16. Stationary Sources

### 5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	3.00	0.33	50.0	1,676	0.73
Emergency Generator	Diesel	3.00	0.33	50.0	2,012	0.73
Emergency Generator	Diesel	1.00	0.33	50.0	2,682	0.73

### 5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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### 5.17. User Defined

Equipment Type	Fuel Type
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### 5.18. Vegetation

#### 5.18.1. Land Use Change

##### 5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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#### 5.18.1. Biomass Cover Type

##### 5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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#### 5.18.2. Sequestration

## 5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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## 8. User Changes to Default Data

Screen	Justification
Land Use	Based on applicant provided information
Construction: Construction Phases	Based on applicant provided information
Construction: Off-Road Equipment	Based on applicant provided information
Construction: Trips and VMT	Trips based on Construction Management Plan. Hauled material would be transported to Inglewood landfill site. Maximum of 350 construction workers onsite at a time
Construction: Architectural Coatings	Based on SCAQMD Rule 1113
Operations: Vehicle Data	Based on Fehr and Peers LTA Report. Included Social Club and Spa vehicle trips in the General Office land use building
Operations: Fleet Mix	Fleet Mix for Regional Shopping Center was adjusted to include 80 delivery trips, consisting of 50% HHD and 50% MHD. Assumed no additional light, medium, and heavy duty trips during operations
Operations: Hearths	No Fireplaces
Operations: Architectural Coatings	Based on SCAQMD Rule 1113
Operations: Energy Use	Based on applicant provided information, natural gas would only be used for the restaurant and club. Natural gas defaults for remaining land uses were converted to Kwh and added to electricity defaults
Operations: Emergency Generators and Fire Pumps	Based on applicant provided data. Assumed under testing would occur a max 20 minutes per day and 50 hours per year

# 9600 Wilshire Boulevard Specific Plan - Alternative 4 Custom Report

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8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

Data Field	Value
Project Name	9600 Wilshire Boulevard Specific Plan - Alternative 4
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	19.6
Location	9600 Wilshire Blvd, Beverly Hills, CA 90210, USA
County	Los Angeles-South Coast
City	Beverly Hills
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4315
EDFZ	16
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.21

## 1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	170	Dwelling Unit	3.20	421,628	0.00	0.00	503	—

Hotel	0.00	Room	0.00	0.00	0.00	0.00	—	—
Quality Restaurant	37.0	1000sqft	0.00	37,000	0.00	0.00	—	—
Health Club	19.0	1000sqft	0.00	19,000	0.00	0.00	—	—
Regional Shopping Center	159	1000sqft	0.00	159,000	0.00	0.00	—	—
General Office Building	0.00	1000sqft	0.00	0.00	0.00	0.00	—	—
Enclosed Parking with Elevator	937	Space	0.00	374,800	0.00	0.00	—	—
Parking Lot	12.0	Space	0.00	0.00	0.00	0.00	—	—

### 1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

## 2. Emissions Summary

### 2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	52.2	50.8	218	0.39	1.51	33.9	35.4	1.48	8.58	10.1	293	46,387	46,680	32.5	1.90	155	48,211
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	46.8	51.8	175	0.38	1.46	33.9	35.3	1.45	8.58	10.0	293	44,734	45,027	32.6	1.97	64.1	46,493
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	43.7	30.1	158	0.28	0.80	24.0	24.8	0.78	6.09	6.87	293	34,288	34,580	32.1	1.72	91.1	35,986

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.98	5.50	28.8	0.05	0.15	4.38	4.53	0.14	1.11	1.25	48.5	5,677	5,725	5.32	0.28	15.1	5,958

## 2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	25.2	15.2	162	0.34	0.22	33.9	34.1	0.20	8.58	8.79	—	35,426	35,426	2.25	1.66	92.9	36,071
Area	19.4	0.31	35.3	< 0.005	0.05	—	0.05	0.04	—	0.04	0.00	131	131	0.01	< 0.005	—	132
Energy	0.10	1.76	1.30	0.01	0.14	—	0.14	0.14	—	0.14	—	6,791	6,791	0.63	0.06	—	6,824
Water	—	—	—	—	—	—	—	—	—	—	58.4	197	255	6.01	0.14	—	448
Waste	—	—	—	—	—	—	—	—	—	—	234	0.00	234	23.4	0.00	—	820
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	61.7	61.7
Stationary	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855
Total	52.2	50.8	218	0.39	1.51	33.9	35.4	1.48	8.58	10.1	293	46,387	46,680	32.5	1.90	155	48,211
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	24.8	16.5	154	0.33	0.22	33.9	34.1	0.20	8.58	8.79	—	33,904	33,904	2.36	1.74	2.41	34,484
Area	14.3	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
Energy	0.10	1.76	1.30	0.01	0.14	—	0.14	0.14	—	0.14	—	6,791	6,791	0.63	0.06	—	6,824
Water	—	—	—	—	—	—	—	—	—	—	58.4	197	255	6.01	0.14	—	448
Waste	—	—	—	—	—	—	—	—	—	—	234	0.00	234	23.4	0.00	—	820
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	61.7	61.7
Stationary	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855

Total	46.8	51.8	175	0.38	1.46	33.9	35.3	1.45	8.58	10.0	293	44,734	45,027	32.6	1.97	64.1	46,493
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	22.7	14.4	125	0.25	0.17	24.0	24.2	0.16	6.09	6.25	—	25,629	25,629	2.00	1.50	29.3	26,156
Area	17.8	0.21	24.2	< 0.005	0.03	—	0.03	0.03	—	0.03	0.00	89.9	89.9	< 0.005	< 0.005	—	90.2
Energy	0.10	1.76	1.30	0.01	0.14	—	0.14	0.14	—	0.14	—	6,791	6,791	0.63	0.06	—	6,824
Water	—	—	—	—	—	—	—	—	—	—	58.4	197	255	6.01	0.14	—	448
Waste	—	—	—	—	—	—	—	—	—	—	234	0.00	234	23.4	0.00	—	820
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	61.7	61.7
Stationary	3.09	13.8	7.88	0.01	0.45	0.00	0.45	0.45	0.00	0.45	0.00	1,581	1,581	0.06	0.01	0.00	1,586
Total	43.7	30.1	158	0.28	0.80	24.0	24.8	0.78	6.09	6.87	293	34,288	34,580	32.1	1.72	91.1	35,986
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.15	2.62	22.7	0.05	0.03	4.38	4.42	0.03	1.11	1.14	—	4,243	4,243	0.33	0.25	4.86	4,330
Area	3.25	0.04	4.41	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	0.00	14.9	14.9	< 0.005	< 0.005	—	14.9
Energy	0.02	0.32	0.24	< 0.005	0.02	—	0.02	0.02	—	0.02	—	1,124	1,124	0.10	0.01	—	1,130
Water	—	—	—	—	—	—	—	—	—	—	9.67	32.6	42.2	0.99	0.02	—	74.2
Waste	—	—	—	—	—	—	—	—	—	—	38.8	0.00	38.8	3.88	0.00	—	136
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.2	10.2
Stationary	0.56	2.52	1.44	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	262	262	0.01	< 0.005	0.00	263
Total	7.98	5.50	28.8	0.05	0.15	4.38	4.53	0.14	1.11	1.25	48.5	5,677	5,725	5.32	0.28	15.1	5,958

## 4. Operations Emissions Details

### 4.1. Mobile Emissions by Land Use

#### 4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	2.14	0.96	18.1	0.04	0.02	4.15	4.17	0.02	1.05	1.07	—	3,898	3,898	0.21	0.11	10.6	3,946
Hotel	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
Quality Restaurant	9.34	3.83	71.0	0.15	0.08	15.7	15.8	0.07	3.97	4.05	—	14,809	14,809	0.84	0.44	40.2	15,003
Health Club	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
Regional Shopping Center	13.7	10.4	73.0	0.16	0.12	14.0	14.1	0.11	3.56	3.67	—	16,719	16,719	1.20	1.11	42.0	17,122
General Office Building	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
Enclosed Parking with Elevator	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
Parking Lot	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
Total	25.2	15.2	162	0.34	0.22	33.9	34.1	0.20	8.58	8.79	—	35,426	35,426	2.25	1.66	92.9	36,071
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	2.11	1.07	16.7	0.04	0.02	4.15	4.17	0.02	1.05	1.07	—	3,703	3,703	0.22	0.12	0.28	3,744
Hotel	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
Quality Restaurant	9.21	4.28	66.1	0.14	0.08	15.7	15.8	0.07	3.97	4.05	—	14,073	14,073	0.88	0.48	1.04	14,238

Health Club	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
Regional Shopping Center	13.5	11.1	71.4	0.16	0.12	14.0	14.1	0.11	3.56	3.67	—	16,128	16,128	1.27	1.15	1.09	16,502
General Office Building	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
Enclosed Parking with Elevator	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
Parking Lot	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
Total	24.8	16.5	154	0.33	0.22	33.9	34.1	0.20	8.58	8.79	—	33,904	33,904	2.36	1.74	2.41	34,484
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.38	0.20	3.13	0.01	< 0.005	0.75	0.75	< 0.005	0.19	0.19	—	622	622	0.04	0.02	0.76	629
Hotel	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
Quality Restaurant	1.34	0.47	7.00	0.01	0.01	1.30	1.31	0.01	0.33	0.34	—	1,115	1,115	0.09	0.05	1.32	1,133
Health Club	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
Regional Shopping Center	2.42	1.95	12.6	0.03	0.02	2.34	2.36	0.02	0.59	0.61	—	2,507	2,507	0.20	0.18	2.78	2,568
General Office Building	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
Enclosed Parking with Elevator	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

Parking Lot	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
Total	4.15	2.62	22.7	0.05	0.03	4.38	4.42	0.03	1.11	1.14	—	4,243	4,243	0.33	0.25	4.86	4,330

## 4.2. Energy

### 4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	529	529	0.05	0.01	—	533
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	1,143	1,143	0.11	0.01	—	1,150
Health Club	—	—	—	—	—	—	—	—	—	—	—	175	175	0.02	< 0.005	—	176
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	1,502	1,502	0.14	0.02	—	1,510
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	1,312	1,312	0.13	0.02	—	1,320
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4,661	4,661	0.44	0.05	—	4,688



Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	529	529	0.05	0.01	—	533
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	1,143	1,143	0.11	0.01	—	1,150
Health Club	—	—	—	—	—	—	—	—	—	—	—	175	175	0.02	< 0.005	—	176
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	1,502	1,502	0.14	0.02	—	1,510
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	1,312	1,312	0.13	0.02	—	1,320
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4,661	4,661	0.44	0.05	—	4,688
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	87.7	87.7	0.01	< 0.005	—	88.2
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	189	189	0.02	< 0.005	—	190
Health Club	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9	< 0.005	< 0.005	—	29.1

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	249	249	0.02	< 0.005	—	250
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	217	217	0.02	< 0.005	—	219
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	772	772	0.07	0.01	—	776

#### 4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.02	0.43	0.18	< 0.005	0.03	—	0.03	0.03	—	0.03	—	541	541	0.05	< 0.005	—	542
Hotel	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
Quality Restaurant	0.05	0.94	0.79	0.01	0.07	—	0.07	0.07	—	0.07	—	1,123	1,123	0.10	< 0.005	—	1,126
Health Club	0.01	0.18	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	215	215	0.02	< 0.005	—	216
Regional Shopping Center	0.01	0.21	0.18	< 0.005	0.02	—	0.02	0.02	—	0.02	—	251	251	0.02	< 0.005	—	252
General Office Building	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

Enclosed Parking with Elevator	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
Parking Lot	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
Total	0.10	1.76	1.30	0.01	0.14	—	0.14	0.14	—	0.14	—	2,130	2,130	0.19	< 0.005	—	2,136
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.02	0.43	0.18	< 0.005	0.03	—	0.03	0.03	—	0.03	—	541	541	0.05	< 0.005	—	542
Hotel	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
Quality Restaurant	0.05	0.94	0.79	0.01	0.07	—	0.07	0.07	—	0.07	—	1,123	1,123	0.10	< 0.005	—	1,126
Health Club	0.01	0.18	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	215	215	0.02	< 0.005	—	216
Regional Shopping Center	0.01	0.21	0.18	< 0.005	0.02	—	0.02	0.02	—	0.02	—	251	251	0.02	< 0.005	—	252
General Office Building	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
Enclosed Parking with Elevator	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
Parking Lot	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
Total	0.10	1.76	1.30	0.01	0.14	—	0.14	0.14	—	0.14	—	2,130	2,130	0.19	< 0.005	—	2,136
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	< 0.005	0.08	0.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	89.5	89.5	0.01	< 0.005	—	89.8

Hotel	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
Quality Restaurant	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	186	186	0.02	< 0.005	—	186
Health Club	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	35.6	35.6	< 0.005	< 0.005	—	35.7
Regional Shopping Center	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.5	41.5	< 0.005	< 0.005	—	41.7
General Office Building	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
Enclosed Parking with Elevator	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
Parking Lot	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
Total	0.02	0.32	0.24	< 0.005	0.02	—	0.02	0.02	—	0.02	—	353	353	0.03	< 0.005	—	354

### 4.3. Area Emissions by Source

#### 4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	13.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscaping Equipment	5.05	0.31	35.3	< 0.005	0.05	—	0.05	0.04	—	0.04	—	131	131	0.01	< 0.005	—	132
Total	19.4	0.31	35.3	< 0.005	0.05	—	0.05	0.04	—	0.04	0.00	131	131	0.01	< 0.005	—	132
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	13.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	14.3	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	2.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscaping Equipment	0.63	0.04	4.41	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	14.9	14.9	< 0.005	< 0.005	—	14.9
Total	3.25	0.04	4.41	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	0.00	14.9	14.9	< 0.005	< 0.005	—	14.9

#### 4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	12.1	40.9	53.1	1.25	0.03	—	93.2
Hotel	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	21.5	72.5	94.0	2.21	0.05	—	165
Health Club	—	—	—	—	—	—	—	—	—	—	2.15	7.26	9.41	0.22	0.01	—	16.5
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	22.6	76.0	98.6	2.32	0.06	—	173
General Office Building	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	58.4	197	255	6.01	0.14	—	448
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	12.1	40.9	53.1	1.25	0.03	—	93.2
Hotel	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Quality Restaurant	—	—	—	—	—	—	—	—	—	—	21.5	72.5	94.0	2.21	0.05	—	165
Health Club	—	—	—	—	—	—	—	—	—	—	2.15	7.26	9.41	0.22	0.01	—	16.5
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	22.6	76.0	98.6	2.32	0.06	—	173
General Office Building	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	58.4	197	255	6.01	0.14	—	448
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	2.01	6.77	8.78	0.21	< 0.005	—	15.4
Hotel	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	3.56	12.0	15.6	0.37	0.01	—	27.4
Health Club	—	—	—	—	—	—	—	—	—	—	0.36	1.20	1.56	0.04	< 0.005	—	2.74
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	3.74	12.6	16.3	0.38	0.01	—	28.7
General Office Building	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	9.67	32.6	42.2	0.99	0.02	—	74.2

### 4.5. Waste Emissions by Land Use

#### 4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	67.7	0.00	67.7	6.77	0.00	—	237
Hotel	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	18.2	0.00	18.2	1.82	0.00	—	63.7
Health Club	—	—	—	—	—	—	—	—	—	—	58.4	0.00	58.4	5.83	0.00	—	204
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	90.0	0.00	90.0	8.99	0.00	—	315
General Office Building	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00



Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	234	0.00	234	23.4	0.00	—	820
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	67.7	0.00	67.7	6.77	0.00	—	237
Hotel	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	18.2	0.00	18.2	1.82	0.00	—	63.7
Health Club	—	—	—	—	—	—	—	—	—	—	58.4	0.00	58.4	5.83	0.00	—	204
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	90.0	0.00	90.0	8.99	0.00	—	315
General Office Building	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	234	0.00	234	23.4	0.00	—	820
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	11.2	0.00	11.2	1.12	0.00	—	39.2
Hotel	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	3.01	0.00	3.01	0.30	0.00	—	10.5

Health Club	—	—	—	—	—	—	—	—	—	—	9.66	0.00	9.66	0.97	0.00	—	33.8
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	14.9	0.00	14.9	1.49	0.00	—	52.1
General Office Building	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	38.8	0.00	38.8	3.88	0.00	—	136

## 4.6. Refrigerant Emissions by Land Use

### 4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.02	3.02
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	57.8	57.8
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.09	0.09

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.76	0.76
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	61.7	61.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.02	3.02
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	57.8	57.8
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.09	0.09
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.76	0.76
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	61.7	61.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.50	0.50
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.58	9.58
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13	0.13
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.2	10.2

### 4.7. Offroad Emissions By Equipment Type

#### 4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

### 4.8. Stationary Emissions By Equipment Type

#### 4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855
Total	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855
Total	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.56	2.52	1.44	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	262	262	0.01	< 0.005	0.00	263
Total	0.56	2.52	1.44	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	262	262	0.01	< 0.005	0.00	263

## 4.9. User Defined Emissions By Equipment Type

### 4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
----------------	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

#### 4.10. Soil Carbon Accumulation By Vegetation Type

##### 4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

##### 4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
----------	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequestered	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Subtotal	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Removed	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Subtotal	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Annual	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Avoided	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Subtotal	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sequestered	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Subtotal	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Removed	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Subtotal	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

## 5. Activity Data

### 5.9. Operational Mobile Sources

#### 5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	646	646	646	235,790	5,928	5,928	5,928	2,163,777
Hotel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quality Restaurant	2,930	2,930	710	953,569	8,831	22,416	5,430	3,754,259
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	5,043	5,043	5,043	1,840,870	17,637	19,712	19,712	6,653,897



General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	68
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

### 5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
448731.89999999997	149,577	395,718	131,906	—

### 5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

### 5.11. Operational Energy Consumption

#### 5.11.1. Unmitigated

#### Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	558,194	346	0.0330	0.0040	1,687,311
Hotel	0.00	346	0.0330	0.0040	0.00
Quality Restaurant	1,205,093	346	0.0330	0.0040	3,504,997
Health Club	184,039	346	0.0330	0.0040	671,393
Regional Shopping Center	1,583,089	346	0.0330	0.0040	782,939
General Office Building	0.00	346	0.0330	0.0040	0.00
Enclosed Parking with Elevator	1,383,549	346	0.0330	0.0040	0.00
Parking Lot	0.00	346	0.0330	0.0040	0.00

### 5.12. Operational Water and Wastewater Consumption

#### 5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	6,336,546	0.00
Hotel	0.00	0.00
Quality Restaurant	11,230,747	0.00
Health Club	1,123,720	0.00

Regional Shopping Center	11,777,531	0.00
General Office Building	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00
Parking Lot	0.00	0.00

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	126	—
Hotel	0.00	—
Quality Restaurant	33.8	—
Health Club	108	—
Regional Shopping Center	167	—
General Office Building	0.00	—
Enclosed Parking with Elevator	0.00	—
Parking Lot	0.00	—

## 5.14. Operational Refrigeration and Air Conditioning Equipment

### 5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00

Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

## 5.15. Operational Off-Road Equipment

### 5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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## 5.16. Stationary Sources

### 5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	3.00	0.33	50.0	1,676	0.73
Emergency Generator	Diesel	3.00	0.33	50.0	2,012	0.73
Emergency Generator	Diesel	1.00	0.33	50.0	2,682	0.73

### 5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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### 5.17. User Defined

Equipment Type	Fuel Type
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### 5.18. Vegetation

#### 5.18.1. Land Use Change

##### 5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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#### 5.18.1. Biomass Cover Type

##### 5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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#### 5.18.2. Sequestration

## 5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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## 8. User Changes to Default Data

Screen	Justification
Land Use	Based on applicant provided information
Construction: Construction Phases	Based on applicant provided information
Construction: Off-Road Equipment	Based on applicant provided information
Construction: Trips and VMT	Trips based on Construction Management Plan. Hauled material would be transported to Inglewood landfill site. Maximum of 350 construction workers onsite at a time
Construction: Architectural Coatings	Based on SCAQMD Rule 1113
Operations: Vehicle Data	Based on Fehr and Peers LTA Report. Included Social Club and Spa vehicle trips in the General Office land use building
Operations: Fleet Mix	Fleet Mix for Regional Shopping Center was adjusted to include 80 delivery trips, consisting of 50% HHD and 50% MHD. Assumed no additional light, medium, and heavy duty trips during operations
Operations: Hearths	No Fireplaces
Operations: Architectural Coatings	Based on SCAQMD Rule 1113
Operations: Energy Use	Based on applicant provided information, natural gas would only be used for the restaurant and club. Natural gas defaults for remaining land uses were converted to Kwh and added to electricity defaults
Operations: Emergency Generators and Fire Pumps	Based on applicant provided data. Assumed under testing would occur a max 20 minutes per day and 50 hours per year

# 9600 Wilshire Boulevard Specific Plan - Alternative 6 Custom Report

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8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

Data Field	Value
Project Name	9600 Wilshire Boulevard Specific Plan - Alternative 6
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	19.6
Location	9600 Wilshire Blvd, Beverly Hills, CA 90210, USA
County	Los Angeles-South Coast
City	Beverly Hills
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4315
EDFZ	16
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.21

## 1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	70.0	Dwelling Unit	3.20	221,628	0.00	0.00	207	—

Hotel	50.0	Room	0.00	55,000	0.00	0.00	—	—
Quality Restaurant	31.0	1000sqft	0.00	31,000	0.00	0.00	—	—
Health Club	23.0	1000sqft	0.00	23,000	0.00	0.00	—	—
Regional Shopping Center	215	1000sqft	0.00	215,000	0.00	0.00	—	—
General Office Building	91.0	1000sqft	0.00	91,000	0.00	0.00	—	—
Enclosed Parking with Elevator	937	Space	0.00	374,800	0.00	0.00	—	—
Parking Lot	12.0	Space	0.00	0.00	0.00	0.00	—	—

### 1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

## 2. Emissions Summary

### 2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	59.0	55.1	254	0.46	1.59	40.2	41.8	1.55	10.2	11.7	385	55,375	55,760	42.5	2.42	249	57,794
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	52.6	56.4	206	0.44	1.52	40.2	41.7	1.51	10.2	11.7	385	53,428	53,814	42.6	2.52	140	55,770
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	50.3	34.8	196	0.35	0.87	31.2	32.1	0.85	7.92	8.77	385	43,888	44,273	42.2	2.27	176	46,180

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.18	6.35	35.7	0.06	0.16	5.70	5.86	0.15	1.45	1.60	63.8	7,266	7,330	6.99	0.38	29.1	7,646

## 2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.0	19.2	195	0.41	0.27	40.2	40.5	0.25	10.2	10.4	—	42,625	42,625	2.76	2.10	111	43,430
Area	20.3	0.33	38.3	< 0.005	0.06	—	0.06	0.05	—	0.05	0.00	152	152	0.01	< 0.005	—	152
Energy	0.11	1.96	1.57	0.01	0.15	—	0.15	0.15	—	0.15	—	8,454	8,454	0.79	0.07	—	8,496
Water	—	—	—	—	—	—	—	—	—	—	89.6	302	391	9.21	0.22	—	688
Waste	—	—	—	—	—	—	—	—	—	—	296	0.00	296	29.6	0.00	—	1,035
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	137	137
Stationary	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855
Total	59.0	55.1	254	0.46	1.59	40.2	41.8	1.55	10.2	11.7	385	55,375	55,760	42.5	2.42	249	57,794
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	30.6	20.8	186	0.40	0.27	40.2	40.5	0.25	10.2	10.4	—	40,830	40,830	2.90	2.19	2.88	41,559
Area	14.3	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
Energy	0.11	1.96	1.57	0.01	0.15	—	0.15	0.15	—	0.15	—	8,454	8,454	0.79	0.07	—	8,496
Water	—	—	—	—	—	—	—	—	—	—	89.6	302	391	9.21	0.22	—	688
Waste	—	—	—	—	—	—	—	—	—	—	296	0.00	296	29.6	0.00	—	1,035
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	137	137
Stationary	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855

Total	52.6	56.4	206	0.44	1.52	40.2	41.7	1.51	10.2	11.7	385	53,428	53,814	42.6	2.52	140	55,770
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	28.7	18.8	160	0.32	0.23	31.2	31.5	0.21	7.92	8.14	—	33,447	33,447	2.56	1.96	38.3	34,134
Area	18.4	0.22	26.3	< 0.005	0.04	—	0.04	0.03	—	0.03	0.00	104	104	< 0.005	< 0.005	—	104
Energy	0.11	1.96	1.57	0.01	0.15	—	0.15	0.15	—	0.15	—	8,454	8,454	0.79	0.07	—	8,496
Water	—	—	—	—	—	—	—	—	—	—	89.6	302	391	9.21	0.22	—	688
Waste	—	—	—	—	—	—	—	—	—	—	296	0.00	296	29.6	0.00	—	1,035
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	137	137
Stationary	3.09	13.8	7.88	0.01	0.45	0.00	0.45	0.45	0.00	0.45	0.00	1,581	1,581	0.06	0.01	0.00	1,586
Total	50.3	34.8	196	0.35	0.87	31.2	32.1	0.85	7.92	8.77	385	43,888	44,273	42.2	2.27	176	46,180
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.24	3.43	29.2	0.06	0.04	5.70	5.74	0.04	1.45	1.48	—	5,538	5,538	0.42	0.32	6.34	5,651
Area	3.37	0.04	4.79	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	17.2	17.2	< 0.005	< 0.005	—	17.3
Energy	0.02	0.36	0.29	< 0.005	0.03	—	0.03	0.03	—	0.03	—	1,400	1,400	0.13	0.01	—	1,407
Water	—	—	—	—	—	—	—	—	—	—	14.8	50.0	64.8	1.53	0.04	—	114
Waste	—	—	—	—	—	—	—	—	—	—	49.0	0.00	49.0	4.89	0.00	—	171
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	22.7	22.7
Stationary	0.56	2.52	1.44	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	262	262	0.01	< 0.005	0.00	263
Total	9.18	6.35	35.7	0.06	0.16	5.70	5.86	0.15	1.45	1.60	63.8	7,266	7,330	6.99	0.38	29.1	7,646

## 4. Operations Emissions Details

### 4.1. Mobile Emissions by Land Use

#### 4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.88	0.39	7.47	0.02	0.01	1.71	1.72	0.01	0.43	0.44	—	1,605	1,605	0.09	0.05	4.38	1,625
Hotel	1.09	0.45	8.30	0.02	0.01	1.84	1.84	0.01	0.46	0.47	—	1,731	1,731	0.10	0.05	4.70	1,754
Quality Restaurant	7.82	3.21	59.5	0.12	0.07	13.2	13.2	0.06	3.33	3.39	—	12,408	12,408	0.71	0.37	33.7	12,570
Health Club	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
Regional Shopping Center	18.6	14.1	98.8	0.22	0.16	19.0	19.1	0.15	4.82	4.97	—	22,608	22,608	1.62	1.50	56.9	23,152
General Office Building	2.69	1.11	20.5	0.04	0.02	4.53	4.55	0.02	1.15	1.17	—	4,273	4,273	0.24	0.13	11.6	4,329
Enclosed Parking with Elevator	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
Parking Lot	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
Total	31.0	19.2	195	0.41	0.27	40.2	40.5	0.25	10.2	10.4	—	42,625	42,625	2.76	2.10	111	43,430
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.87	0.44	6.88	0.01	0.01	1.71	1.72	0.01	0.43	0.44	—	1,525	1,525	0.09	0.05	0.11	1,542
Hotel	1.08	0.50	7.72	0.02	0.01	1.84	1.84	0.01	0.46	0.47	—	1,645	1,645	0.10	0.06	0.12	1,665
Quality Restaurant	7.72	3.58	55.4	0.12	0.07	13.2	13.2	0.06	3.33	3.39	—	11,791	11,791	0.74	0.40	0.87	11,929

Health Club	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
Regional Shopping Center	18.3	15.0	96.6	0.21	0.16	19.0	19.1	0.15	4.82	4.97	—	21,808	21,808	1.71	1.55	1.47	22,314
General Office Building	2.66	1.23	19.1	0.04	0.02	4.53	4.55	0.02	1.15	1.17	—	4,061	4,061	0.25	0.14	0.30	4,109
Enclosed Parking with Elevator	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
Parking Lot	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
Total	30.6	20.8	186	0.40	0.27	40.2	40.5	0.25	10.2	10.4	—	40,830	40,830	2.90	2.19	2.88	41,559
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.16	0.08	1.29	< 0.005	< 0.005	0.31	0.31	< 0.005	0.08	0.08	—	256	256	0.01	0.01	0.31	259
Hotel	0.19	0.09	1.44	< 0.005	< 0.005	0.33	0.33	< 0.005	0.08	0.09	—	276	276	0.02	0.01	0.34	280
Quality Restaurant	1.12	0.39	5.86	0.01	0.01	1.09	1.09	0.01	0.28	0.28	—	934	934	0.08	0.04	1.10	949
Health Club	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
Regional Shopping Center	3.28	2.64	17.0	0.04	0.03	3.16	3.19	0.03	0.80	0.83	—	3,389	3,389	0.27	0.24	3.76	3,472
General Office Building	0.48	0.23	3.56	0.01	< 0.005	0.82	0.82	< 0.005	0.21	0.21	—	682	682	0.04	0.02	0.83	691
Enclosed Parking with Elevator	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



Parking Lot	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
Total	5.24	3.43	29.2	0.06	0.04	5.70	5.74	0.04	1.45	1.48	—	5,538	5,538	0.42	0.32	6.34	5,651

## 4.2. Energy

### 4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	218	218	0.02	< 0.005	—	219
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	958	958	0.09	0.01	—	963
Health Club	—	—	—	—	—	—	—	—	—	—	—	211	211	0.02	< 0.005	—	213
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	2,030	2,030	0.19	0.02	—	2,042
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1,375	1,375	0.13	0.02	—	1,383
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	1,312	1,312	0.13	0.02	—	1,320
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	6,104	6,104	0.58	0.07	—	6,140

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	218	218	0.02	< 0.005	—	219
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	958	958	0.09	0.01	—	963
Health Club	—	—	—	—	—	—	—	—	—	—	—	211	211	0.02	< 0.005	—	213
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	2,030	2,030	0.19	0.02	—	2,042
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1,375	1,375	0.13	0.02	—	1,383
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	1,312	1,312	0.13	0.02	—	1,320
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	6,104	6,104	0.58	0.07	—	6,140
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	36.1	36.1	< 0.005	< 0.005	—	36.3
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	159	159	0.02	< 0.005	—	159
Health Club	—	—	—	—	—	—	—	—	—	—	—	35.0	35.0	< 0.005	< 0.005	—	35.2

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	336	336	0.03	< 0.005	—	338
General Office Building	—	—	—	—	—	—	—	—	—	—	—	228	228	0.02	< 0.005	—	229
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	217	217	0.02	< 0.005	—	219
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,011	1,011	0.10	0.01	—	1,017

#### 4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.01	0.18	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	223	223	0.02	< 0.005	—	223
Hotel	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
Quality Restaurant	0.04	0.79	0.66	< 0.005	0.06	—	0.06	0.06	—	0.06	—	941	941	0.08	< 0.005	—	944
Health Club	0.01	0.22	0.18	< 0.005	0.02	—	0.02	0.02	—	0.02	—	260	260	0.02	< 0.005	—	261
Regional Shopping Center	0.02	0.28	0.24	< 0.005	0.02	—	0.02	0.02	—	0.02	—	339	339	0.03	< 0.005	—	340
General Office Building	0.03	0.49	0.41	< 0.005	0.04	—	0.04	0.04	—	0.04	—	586	586	0.05	< 0.005	—	588

Enclosed Parking with Elevator	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
Parking Lot	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
Total	0.11	1.96	1.57	0.01	0.15	—	0.15	0.15	—	0.15	—	2,350	2,350	0.21	< 0.005	—	2,356
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.01	0.18	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	223	223	0.02	< 0.005	—	223
Hotel	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
Quality Restaurant	0.04	0.79	0.66	< 0.005	0.06	—	0.06	0.06	—	0.06	—	941	941	0.08	< 0.005	—	944
Health Club	0.01	0.22	0.18	< 0.005	0.02	—	0.02	0.02	—	0.02	—	260	260	0.02	< 0.005	—	261
Regional Shopping Center	0.02	0.28	0.24	< 0.005	0.02	—	0.02	0.02	—	0.02	—	339	339	0.03	< 0.005	—	340
General Office Building	0.03	0.49	0.41	< 0.005	0.04	—	0.04	0.04	—	0.04	—	586	586	0.05	< 0.005	—	588
Enclosed Parking with Elevator	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
Parking Lot	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
Total	0.11	1.96	1.57	0.01	0.15	—	0.15	0.15	—	0.15	—	2,350	2,350	0.21	< 0.005	—	2,356
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	< 0.005	0.03	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	36.9	36.9	< 0.005	< 0.005	—	37.0

Hotel	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
Quality Restaurant	0.01	0.14	0.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	156	156	0.01	< 0.005	—	156
Health Club	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	43.1	43.1	< 0.005	< 0.005	—	43.2
Regional Shopping Center	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	56.2	56.2	< 0.005	< 0.005	—	56.3
General Office Building	< 0.005	0.09	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	97.0	97.0	0.01	< 0.005	—	97.3
Enclosed Parking with Elevator	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
Parking Lot	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
Total	0.02	0.36	0.29	< 0.005	0.03	—	0.03	0.03	—	0.03	—	389	389	0.03	< 0.005	—	390

### 4.3. Area Emissions by Source

#### 4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	13.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscaping Equipment	5.99	0.33	38.3	< 0.005	0.06	—	0.06	0.05	—	0.05	—	152	152	0.01	< 0.005	—	152
Total	20.3	0.33	38.3	< 0.005	0.06	—	0.06	0.05	—	0.05	0.00	152	152	0.01	< 0.005	—	152
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	13.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	14.3	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	2.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscaping Equipment	0.75	0.04	4.79	< 0.005	0.01	—	0.01	0.01	—	0.01	—	17.2	17.2	< 0.005	< 0.005	—	17.3
Total	3.37	0.04	4.79	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	17.2	17.2	< 0.005	< 0.005	—	17.3

#### 4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	5.00	16.8	21.8	0.51	0.01	—	38.4
Hotel	—	—	—	—	—	—	—	—	—	—	2.43	8.19	10.6	0.25	0.01	—	18.7
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	18.0	60.8	78.8	1.85	0.04	—	138
Health Club	—	—	—	—	—	—	—	—	—	—	2.61	8.78	11.4	0.27	0.01	—	20.0
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	30.5	103	133	3.14	0.08	—	234
General Office Building	—	—	—	—	—	—	—	—	—	—	31.0	104	135	3.19	0.08	—	238
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	89.6	302	391	9.21	0.22	—	688
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	5.00	16.8	21.8	0.51	0.01	—	38.4
Hotel	—	—	—	—	—	—	—	—	—	—	2.43	8.19	10.6	0.25	0.01	—	18.7

Quality Restaurant	—	—	—	—	—	—	—	—	—	—	18.0	60.8	78.8	1.85	0.04	—	138
Health Club	—	—	—	—	—	—	—	—	—	—	2.61	8.78	11.4	0.27	0.01	—	20.0
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	30.5	103	133	3.14	0.08	—	234
General Office Building	—	—	—	—	—	—	—	—	—	—	31.0	104	135	3.19	0.08	—	238
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	89.6	302	391	9.21	0.22	—	688
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.83	2.79	3.62	0.09	< 0.005	—	6.36
Hotel	—	—	—	—	—	—	—	—	—	—	0.40	1.36	1.76	0.04	< 0.005	—	3.09
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	2.99	10.1	13.0	0.31	0.01	—	22.9
Health Club	—	—	—	—	—	—	—	—	—	—	0.43	1.45	1.89	0.04	< 0.005	—	3.31
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	5.05	17.0	22.1	0.52	0.01	—	38.8
General Office Building	—	—	—	—	—	—	—	—	—	—	5.13	17.3	22.4	0.53	0.01	—	39.4



Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	14.8	50.0	64.8	1.53	0.04	—	114

## 4.5. Waste Emissions by Land Use

### 4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	27.9	0.00	27.9	2.79	0.00	—	97.5
Hotel	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.47	0.00	—	51.6
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	15.2	0.00	15.2	1.52	0.00	—	53.3
Health Club	—	—	—	—	—	—	—	—	—	—	70.7	0.00	70.7	7.06	0.00	—	247
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	122	0.00	122	12.2	0.00	—	426
General Office Building	—	—	—	—	—	—	—	—	—	—	45.6	0.00	45.6	4.56	0.00	—	160
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	296	0.00	296	29.6	0.00	—	1,035
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	27.9	0.00	27.9	2.79	0.00	—	97.5
Hotel	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.47	0.00	—	51.6
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	15.2	0.00	15.2	1.52	0.00	—	53.3
Health Club	—	—	—	—	—	—	—	—	—	—	70.7	0.00	70.7	7.06	0.00	—	247
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	122	0.00	122	12.2	0.00	—	426
General Office Building	—	—	—	—	—	—	—	—	—	—	45.6	0.00	45.6	4.56	0.00	—	160
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	296	0.00	296	29.6	0.00	—	1,035
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.61	0.00	4.61	0.46	0.00	—	16.1
Hotel	—	—	—	—	—	—	—	—	—	—	2.44	0.00	2.44	0.24	0.00	—	8.55
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	2.52	0.00	2.52	0.25	0.00	—	8.83

Health Club	—	—	—	—	—	—	—	—	—	—	11.7	0.00	11.7	1.17	0.00	—	40.9
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	20.1	0.00	20.1	2.01	0.00	—	70.5
General Office Building	—	—	—	—	—	—	—	—	—	—	7.55	0.00	7.55	0.75	0.00	—	26.4
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	49.0	0.00	49.0	4.89	0.00	—	171

## 4.6. Refrigerant Emissions by Land Use

### 4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.59	1.59
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	86.0	86.0
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	48.5	48.5
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.03	1.03
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.22	0.22
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	137	137
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.59	1.59
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	86.0	86.0
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	48.5	48.5
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.03	1.03
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.22	0.22
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	137	137
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.2	14.2
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.02	8.02
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.17	0.17
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	22.7	22.7

### 4.7. Offroad Emissions By Equipment Type

#### 4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

### 4.8. Stationary Emissions By Equipment Type

#### 4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855
Total	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855
Total	7.51	33.6	19.2	0.04	1.10	0.00	1.10	1.10	0.00	1.10	0.00	3,842	3,842	0.15	0.03	0.00	3,855
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.56	2.52	1.44	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	262	262	0.01	< 0.005	0.00	263
Total	0.56	2.52	1.44	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	262	262	0.01	< 0.005	0.00	263

## 4.9. User Defined Emissions By Equipment Type

### 4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

#### 4.10. Soil Carbon Accumulation By Vegetation Type

##### 4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

##### 4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## 5. Activity Data

### 5.9. Operational Mobile Sources

#### 5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	266	266	266	97,090	2,441	2,441	2,441	890,967
Hotel	342	342	342	125,012	2,621	2,621	2,621	956,516
Quality Restaurant	2,455	2,455	595	798,936	7,399	18,781	4,549	3,145,460
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	6,820	6,820	6,820	2,489,227	23,849	26,654	26,654	8,997,407

General Office Building	845	845	845	308,567	6,468	6,468	6,468	2,360,961
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	68
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

### 5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
448731.89999999997	149,577	395,718	131,906	—

### 5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

## 5.11. Operational Energy Consumption

### 5.11.1. Unmitigated

#### Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	229,845	346	0.0330	0.0040	694,775
Hotel	0.00	346	0.0330	0.0040	0.00
Quality Restaurant	1,009,673	346	0.0330	0.0040	2,936,619
Health Club	222,783	346	0.0330	0.0040	812,739
Regional Shopping Center	2,140,655	346	0.0330	0.0040	1,058,691
General Office Building	1,449,516	346	0.0330	0.0040	1,828,359
Enclosed Parking with Elevator	1,383,549	346	0.0330	0.0040	0.00
Parking Lot	0.00	346	0.0330	0.0040	0.00

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	2,609,166	0.00
Hotel	1,268,339	0.00
Quality Restaurant	9,409,545	0.00
Health Club	1,360,292	0.00

Regional Shopping Center	15,925,592	0.00
General Office Building	16,173,771	0.00
Enclosed Parking with Elevator	0.00	0.00
Parking Lot	0.00	0.00

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	51.7	—
Hotel	27.4	—
Quality Restaurant	28.3	—
Health Club	131	—
Regional Shopping Center	226	—
General Office Building	84.6	—
Enclosed Parking with Elevator	0.00	—
Parking Lot	0.00	—

## 5.14. Operational Refrigeration and Air Conditioning Equipment

### 5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00

Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

## 5.15. Operational Off-Road Equipment

### 5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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## 5.16. Stationary Sources

### 5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	3.00	0.33	50.0	1,676	0.73
Emergency Generator	Diesel	3.00	0.33	50.0	2,012	0.73
Emergency Generator	Diesel	1.00	0.33	50.0	2,682	0.73

### 5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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### 5.17. User Defined

Equipment Type	Fuel Type
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### 5.18. Vegetation

#### 5.18.1. Land Use Change

##### 5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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#### 5.18.1. Biomass Cover Type

##### 5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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#### 5.18.2. Sequestration

## 5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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## 8. User Changes to Default Data

Screen	Justification
Land Use	Based on applicant provided information
Construction: Construction Phases	Based on applicant provided information
Construction: Off-Road Equipment	Based on applicant provided information
Construction: Trips and VMT	Trips based on Construction Management Plan. Hauled material would be transported to Inglewood landfill site. Maximum of 350 construction workers onsite at a time
Construction: Architectural Coatings	Based on SCAQMD Rule 1113
Operations: Vehicle Data	Based on Fehr and Peers LTA Report. Included Social Club and Spa vehicle trips in the General Office land use building
Operations: Fleet Mix	Fleet Mix for Regional Shopping Center was adjusted to include 80 delivery trips, consisting of 50% HHD and 50% MHD. Assumed no additional light, medium, and heavy duty trips during operations
Operations: Hearths	No Fireplaces
Operations: Architectural Coatings	Based on SCAQMD Rule 1113
Operations: Energy Use	Based on applicant provided information, natural gas would only be used for the restaurant and club. Natural gas defaults for remaining land uses were converted to Kwh and added to electricity defaults
Operations: Emergency Generators and Fire Pumps	Based on applicant provided data. Assumed under testing would occur a max 20 minutes per day and 50 hours per year

## Alternatives Assumptions

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## 9600 Wilshire Boulevard Specific Plan EIR General Assumptions - Alternatives

### Construction Emissions:

Construction emissions would be similar to the proposed project. No construction modeling was conducted.

### Operational Emissions:

Qualitative Modeling was conducted for the majority of alternatives. Operational Emissions for Alternatives 2, 4, and 6 were modeled.

### Land Use

#### Alternative 2:

Land Use	Subtype	Unit	Dwelling Units	Total SF	Spaces	Landscape	Acres
Residential	Mid-Rise Apt	Dwelling	239	548,229			3.2
Recreational	Hotel	Room	NA	0.00			0
Recreational	Quality	1000 sf	NA	104.34			0
Recreational	Health Club	1000 sf	NA	0.00			0
Retail	Regional	1000 sf	NA	107.00			0
Commercial	General Office	1000 sf	NA	0.00			0
Parking	Enclosed Parking	Spaces	NA	NA	937		0
Parking	parking lot	spaces	NA	NA	12		0

#### Alternative 4:

Land Use	Subtype	Unit	Dwelling Units	Total SF	Spaces	Landscape	Acres
Residential	Mid-Rise Apt	Dwelling	170	421,628			3.2
Recreational	Hotel	Room	NA	0.00			0
Recreational	Quality	1000 sf	NA	37.00			0
Recreational	Health Club	1000 sf	NA	19.00			0
Retail	Regional	1000 sf	NA	159.00			0
Commercial	General Office	1000 sf	NA	0.00			0
Parking	Enclosed Parking	Spaces	NA	NA	937		0
Parking	parking lot	spaces	NA	NA	12		0

#### Alternative6:

Land Use	Subtype	Unit	Dwelling Units	Total SF	Spaces	Landscape	Acres
Residential	Mid-Rise Apt	Dwelling	70	221,628			3.2
Recreational	Hotel	Room	50	55.00			0
Recreational	Quality	1000 sf	NA	31.00			0
Recreational	Health Club	1000 sf	NA	23.00			0
Retail	Regional	1000 sf	NA	215.00			0
Commercial	General Office	1000 sf	NA	91.00			0
Parking	Enclosed Parking	Spaces	NA	NA	937		0
Parking	parking lot	spaces	NA	NA	12		0

## 9600 Wilshire Boulevard Specific Plan EIR General Assumptions - Alternatives

Unless noted below, CalEEMod Defaults were used to generate operational emissions. Adjustments below are the same or determined using the same ideas as used for the proposed project.

Trip Rates and Fleet Mix presented here are consistent with the revisions made for the proposed project.

***Trip Rates:***

	<b>Mid-Rise Apt</b>	<b>Hotel</b>	<b>Quality Restaurant</b>	<b>Health Club</b>	<b>Regional Shopping Center</b>	<b>General Office Building</b>
Default	4.54	7.99	92.39		37.01	10.84
Revised	3.80	6.85	79.18		31.72	9.29

14.30% % Adjustment for internal capture, etc.

***Fleet Mix:***

	<b>HHD</b>	<b>LDA</b>	<b>LDT1</b>	<b>LDT2</b>	<b>LHD1</b>	<b>LHD2</b>	<b>MCY</b>
Reg. Shopping	3.49470014	57.12001	4.901561493	27.81812633	0	0	2.5485
Remaining	0	61.44909	5.27304711	29.92644096	0	0	2.7417

  

	<b>MDV</b>	<b>MH</b>	<b>MHD</b>	<b>OBUS</b>	<b>SBUS</b>	<b>UBUS</b>
Reg. Shopping	0	0.32203	3.550289526	0.097879728	0.075161	0.071702
Remaining	0	0.346436	0	0.105297958	0.080858	0.077136

**Hearths:** No Fireplaces

**Architectural Coating:** Based on SCAQMD Rule 1113

**Stationary Sources:**

Emergency Generators:

- 3 1676 hp, 0.333 hrs/day, 50 hrs/year
- 3 2011.53 hp, 0.333 hrs/day, 50 hrs/year
- 1 2682 hp, 0.333 hrs/day, 50 hrs/year