



DOUGLASKIM+ASSOCIATES,LLC

EXISTING EMISSIONS

474 Joaquin Road (Existing) Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	474 Joaquin Road (Existing)
Operational Year	2025
Lead Agency	Town of Mammoth Lakes
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.7
Precipitation (days)	33
Location	474 Joaquin Rd, Mammoth Lakes, CA 93546, USA
County	Mono
City	Mammoth Lakes
Air District	Great Basin UAPCD
Air Basin	Great Basin Valleys
TAZ	3023
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	—
App Version	2022.1.1.35

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
Single Family Housing	1.00	Dwelling Unit	3.2	1,500	138,556	—	2.0	—

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	5.4	0.14	9.3	0.02	1.2	0.04	1.3	1.2	0.01	1.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	5.4	0.14	9.2	0.02	1.2	0.04	1.3	1.2	0.01	1.2
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	1.3	0.07	2.3	< 0.005	0.27	0.04	0.31	0.27	0.01	0.28
Annual (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	0.23	0.01	0.42	< 0.005	0.05	0.01	0.06	0.05	< 0.005	0.05

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Mobile	0.04	0.04	0.24	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01
Area	5.3	0.10	9.0	0.01	1.2	—	1.2	1.2	—	1.2
Energy	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Water	—	—	—	—	—	—	—	—	—	—

Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—
Total	5.4	0.14	9.3	0.02	1.2	0.04	1.3	1.2	0.01	1.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Mobile	0.04	0.04	0.25	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01
Area	5.3	0.10	9.0	0.01	1.2	—	1.2	1.2	—	1.2
Energy	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—
Total	5.4	0.14	9.2	0.02	1.2	0.04	1.3	1.2	0.01	1.2
Average Daily	—	—	—	—	—	—	—	—	—	—
Mobile	0.04	0.04	0.27	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01
Area	1.2	0.02	2.0	< 0.005	0.27	—	0.27	0.27	—	0.27
Energy	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—
Total	1.3	0.07	2.3	< 0.005	0.27	0.04	0.31	0.27	0.01	0.28
Annual	—	—	—	—	—	—	—	—	—	—
Mobile	0.01	0.01	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005
Area	0.22	< 0.005	0.37	< 0.005	0.05	—	0.05	0.05	—	0.05
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—
Total	0.23	0.01	0.42	< 0.005	0.05	0.01	0.06	0.05	< 0.005	0.05

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.04	0.04	0.24	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01
Total	0.04	0.04	0.24	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.04	0.04	0.25	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01
Total	0.04	0.04	0.25	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01
Annual	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.01	0.01	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005
Total	0.01	0.01	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Single Family Housing	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Total	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Single Family Housing	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Total	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Annual	—	—	—	—	—	—	—	—	—	—
Single Family Housing	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Hearths	5.3	0.10	9.0	0.01	1.2	—	1.2	1.2	—	1.2
Consumer Products	0.03	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.01	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.01	< 0.005	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Total	5.3	0.10	9.0	0.01	1.2	—	1.2	1.2	—	1.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Hearths	5.3	0.10	9.0	0.01	1.2	—	1.2	1.2	—	1.2
Consumer Products	0.03	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.01	—	—	—	—	—	—	—	—	—
Total	5.3	0.10	9.0	0.01	1.2	—	1.2	1.2	—	1.2
Annual	—	—	—	—	—	—	—	—	—	—
Hearths	0.22	< 0.005	0.37	< 0.005	0.05	—	0.05	0.05	—	0.05
Consumer Products	0.01	—	—	—	—	—	—	—	—	—
Architectural Coatings	< 0.005	—	—	—	—	—	—	—	—	—
Landscape Equipment	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Total	0.22	< 0.005	0.37	< 0.005	0.05	—	0.05	0.05	—	0.05

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

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
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
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
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
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
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
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
Single Family Housing	9.4	9.5	8.6	3,404	58	59	53	20,958

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Single Family Housing	Wood Fireplaces	1	1
Single Family Housing	Gas Fireplaces	0	0
Single Family Housing	Propane Fireplaces	0	0
Single Family Housing	Electric Fireplaces	0	0
Single Family Housing	No Fireplaces	0	0
Single Family Housing	Conventional Wood Stoves	1	1
Single Family Housing	Catalytic Wood Stoves	0	0

Single Family Housing	Non-Catalytic Wood Stoves	0	0
Single Family Housing	Pellet Wood Stoves	0	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)
undefined	3,038	1,013	0.00	0.00	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

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)	CO ₂	CH ₄	N ₂ O	Natural Gas (kBTU/yr)
Single Family Housing	7,610	349	0.0330	0.0040	31,290

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	29,592	2,086,365

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	0.32	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.5	2.5	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

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	36	annual days of extreme heat
Extreme Precipitation	8.3	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	23	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 (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	N/A	N/A	N/A	N/A
Extreme Precipitation	0	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	0	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	0	0	0	N/A
Air Quality Degradation	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	1	1	1	2
Sea Level Rise	N/A	N/A	N/A	N/A
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	1	1	1	2
Air Quality Degradation	N/A	N/A	N/A	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 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	47
AQ-PM	0.24
AQ-DPM	6.1
Drinking Water	41
Lead Risk Housing	22
Pesticides	39
Toxic Releases	0.00
Traffic	11
Effect Indicators	—
CleanUp Sites	0.00
Groundwater	0.00
Haz Waste Facilities/Generators	50
Impaired Water Bodies	72
Solid Waste	64
Sensitive Population	—
Asthma	53

Cardio-vascular	27
Low Birth Weights	97
Socioeconomic Factor Indicators	—
Education	54
Housing	6.1
Linguistic	—
Poverty	55
Unemployment	0.08

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	43.24393687
Employed	66.08494803
Median HI	43.35942513
Education	—
Bachelor's or higher	59.05299628
High school enrollment	100
Preschool enrollment	49.67278327
Transportation	—
Auto Access	62.47914795
Active commuting	98.30617221
Social	—
2-parent households	62.38932375
Voting	92.62158347
Neighborhood	—
Alcohol availability	46.5161042

Park access	81.35506224
Retail density	26.96009239
Supermarket access	46.37495188
Tree canopy	96.49685615
Housing	—
Homeownership	36.39163352
Housing habitability	70.70447838
Low-inc homeowner severe housing cost burden	40.80585141
Low-inc renter severe housing cost burden	88.11754138
Uncrowded housing	59.34813294
Health Outcomes	—
Insured adults	6.454510458
Arthritis	0.0
Asthma ER Admissions	71.0
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	61.5
Cognitively Disabled	85.7
Physically Disabled	98.4
Heart Attack ER Admissions	53.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	83.5

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	2.1
SLR Inundation Area	0.0
Children	59.5
Elderly	84.2
English Speaking	59.0
Foreign-born	44.8
Outdoor Workers	70.4
Climate Change Adaptive Capacity	—
Impervious Surface Cover	83.8
Traffic Density	6.2
Traffic Access	0.0
Other Indices	—
Hardship	38.9
Other Decision Support	—
2016 Voting	74.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	25
Healthy Places Index Score for Project Location (b)	78
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No

Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
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

8.1. Justifications

Screen	Justification
Land Use	—
Operations: Hearths	—



DOUGLASKIM+ASSOCIATES,LLC

FUTURE EMISSIONS

474 Joaquin Road (Project) Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	474 Joaquin Road (Project)
Construction Start Date	3/15/2026
Operational Year	2029
Lead Agency	Town of Mammoth Lakes
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.70000
Precipitation (days)	33.4000
Location	474 Joaquin Rd, Mammoth Lakes, CA 93546, USA
County	Mono
City	Mammoth Lakes
Air District	Great Basin UAPCD
Air Basin	Great Basin Valleys
TAZ	3023
EDFZ	10
Electric Utility	Pacific Gas & Electric Company
Gas Utility	—
App Version	2022.1.1.37

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 Low Rise	38.0000	Dwelling Unit	0.80000	84,946.0	58,278.0	—	89.0000	—

Parking Lot	0.16000	Acre	0.16000	0.00000	0.00000	—	—	—
Other Asphalt Surfaces	0.94000	Acre	0.94000	0.00000	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-9	Use Dust Suppressants
Construction	C-12	Sweep Paved Roads

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	103.650	27.8853	31.2475	0.05242	1.14837	3.26204	4.41040	1.05741	1.45089	2.50683
Mit.	103.650	27.8853	31.2475	0.05242	1.14837	3.26204	4.41040	1.05741	1.45089	2.50683
% Reduced	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	1.26764	11.1101	12.0531	0.02058	0.50751	2.51874	3.02626	0.46696	1.18962	1.65658
Mit.	1.26764	11.1101	12.0531	0.02058	0.50751	2.51874	3.02626	0.46696	1.18962	1.65658
% Reduced	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	7.38335	8.62835	10.4615	0.01813	0.32221	0.68045	1.00266	0.29663	0.27708	0.57370

Mit.	7.38335	8.62835	10.4615	0.01813	0.32221	0.68045	1.00266	0.29663	0.27708	0.57370
% Reduced	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	1.34746	1.57467	1.90921	0.00331	0.05880	0.12418	0.18299	0.05413	0.05057	0.10470
Mit.	1.34746	1.57467	1.90921	0.00331	0.05880	0.12418	0.18299	0.05413	0.05057	0.10470
% Reduced	—	—	—	—	—	—	—	—	—	—

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
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—
2026	3.10959	27.8853	31.2475	0.05242	1.14837	3.26204	4.41040	1.05741	1.45089	2.50683
2027	1.08507	8.53864	11.0756	0.02057	0.26344	0.28453	0.54797	0.24253	0.06838	0.31092
2028	1.03840	8.15602	10.9689	0.02058	0.23299	0.28453	0.51752	0.21452	0.06838	0.28291
2029	103.650	0.81021	1.30295	0.00173	0.01284	0.04883	0.06167	0.01181	0.01145	0.02326
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—
2026	1.26764	11.1101	12.0531	0.02057	0.50751	2.51874	3.02626	0.46696	1.18962	1.65658
2027	1.08860	8.55053	11.0893	0.02057	0.26344	0.28453	0.54797	0.24253	0.06838	0.31092
2028	1.04124	8.16860	10.9813	0.02058	0.23299	0.28453	0.51752	0.21452	0.06838	0.28291
2029	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
2026	1.04321	8.62835	10.4615	0.01813	0.32221	0.68045	1.00266	0.29663	0.27708	0.57370
2027	0.93264	7.33956	9.59460	0.01763	0.22581	0.23877	0.46457	0.20789	0.05734	0.26522
2028	0.50864	3.99535	5.41212	0.01005	0.11381	0.13606	0.24987	0.10478	0.03267	0.13746
2029	7.38335	0.05786	0.09427	0.00012	0.00091	0.00340	0.00432	0.00084	0.00080	0.00164
Annual	—	—	—	—	—	—	—	—	—	—
2026	0.19039	1.57467	1.90921	0.00331	0.05880	0.12418	0.18299	0.05413	0.05057	0.10470

2027	0.17021	1.33947	1.75101	0.00322	0.04121	0.04357	0.08478	0.03794	0.01046	0.04840
2028	0.09283	0.72915	0.98771	0.00183	0.02077	0.02483	0.04560	0.01912	0.00596	0.02509
2029	1.34746	0.01056	0.01720	0.00002	0.00017	0.00062	0.00079	0.00015	0.00015	0.00030

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
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—
2026	3.10959	27.8853	31.2475	0.05242	1.14837	3.26204	4.41040	1.05741	1.45089	2.50683
2027	1.08507	8.53864	11.0756	0.02057	0.26344	0.28453	0.54797	0.24253	0.06838	0.31092
2028	1.03840	8.15602	10.9689	0.02058	0.23299	0.28453	0.51752	0.21452	0.06838	0.28291
2029	103.650	0.81021	1.30295	0.00173	0.01284	0.04883	0.06167	0.01181	0.01145	0.02326
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—
2026	1.26764	11.1101	12.0531	0.02057	0.50751	2.51874	3.02626	0.46696	1.18962	1.65658
2027	1.08860	8.55053	11.0893	0.02057	0.26344	0.28453	0.54797	0.24253	0.06838	0.31092
2028	1.04124	8.16860	10.9813	0.02058	0.23299	0.28453	0.51752	0.21452	0.06838	0.28291
2029	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
2026	1.04321	8.62835	10.4615	0.01813	0.32221	0.68045	1.00266	0.29663	0.27708	0.57370
2027	0.93264	7.33956	9.59460	0.01763	0.22581	0.23877	0.46457	0.20789	0.05734	0.26522
2028	0.50864	3.99535	5.41212	0.01005	0.11381	0.13606	0.24987	0.10478	0.03267	0.13746
2029	7.38335	0.05786	0.09427	0.00012	0.00091	0.00340	0.00432	0.00084	0.00080	0.00164
Annual	—	—	—	—	—	—	—	—	—	—
2026	0.19039	1.57467	1.90921	0.00331	0.05880	0.12418	0.18299	0.05413	0.05057	0.10470
2027	0.17021	1.33947	1.75101	0.00322	0.04121	0.04357	0.08478	0.03794	0.01046	0.04840
2028	0.09283	0.72915	0.98771	0.00183	0.02077	0.02483	0.04560	0.01912	0.00596	0.02509
2029	1.34746	0.01056	0.01720	0.00002	0.00017	0.00062	0.00079	0.00015	0.00015	0.00030

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	3.96055	1.97756	9.16437	0.01476	0.07321	1.34277	1.41598	0.07680	0.34079	0.41759
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	4.00739	1.99945	9.26688	0.01476	0.07322	1.34277	1.41599	0.07682	0.34079	0.41761
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	3.75364	1.20933	8.35511	0.01318	0.03101	1.17581	1.20683	0.03475	0.29850	0.33325
Annual (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	0.68504	0.22070	1.52481	0.00240	0.00566	0.21459	0.22025	0.00634	0.05448	0.06082

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Mobile	1.13144	0.85025	6.37413	0.01474	0.01333	1.34914	1.36247	0.01254	0.34253	0.35506
Area	2.82086	0.99207	2.72224	0.00009	0.05332	—	0.05332	0.05308	—	0.05308
Energy	0.00935	0.15981	0.06800	0.00102	0.01292	—	0.01292	0.01292	—	0.01292
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—
Vegetation	-0.00110	-0.02457	—	-0.00110	-0.00637	-0.00637	-0.01274	-0.00174	-0.00174	-0.00347
Total	3.96055	1.97756	9.16437	0.01476	0.07321	1.34277	1.41598	0.07680	0.34079	0.41759

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Mobile	1.17776	0.87214	6.47533	0.01474	0.01335	1.34914	1.36249	0.01255	0.34253	0.35508
Area	2.82138	0.99207	2.72355	0.00009	0.05332	—	0.05332	0.05308	—	0.05308
Energy	0.00935	0.15981	0.06800	0.00102	0.01292	—	0.01292	0.01292	—	0.01292
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—
Vegetation	-0.00110	-0.02457	—	-0.00110	-0.00637	-0.00637	-0.01274	-0.00174	-0.00174	-0.00347
Total	4.00739	1.99945	9.26688	0.01476	0.07322	1.34277	1.41599	0.07682	0.34079	0.41761
Average Daily	—	—	—	—	—	—	—	—	—	—
Mobile	1.02590	0.84022	6.50258	0.01318	0.01194	1.18218	1.19412	0.01123	0.30024	0.31147
Area	2.71949	0.23387	1.78452	0.00007	0.01252	—	0.01252	0.01233	—	0.01233
Energy	0.00935	0.15981	0.06800	0.00102	0.01292	—	0.01292	0.01292	—	0.01292
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—
Vegetation	-0.00110	-0.02457	—	-0.00110	-0.00637	-0.00637	-0.01274	-0.00174	-0.00174	-0.00347
Total	3.75364	1.20933	8.35511	0.01318	0.03101	1.17581	1.20683	0.03475	0.29850	0.33325
Annual	—	—	—	—	—	—	—	—	—	—
Mobile	0.18723	0.15334	1.18672	0.00241	0.00218	0.21575	0.21793	0.00205	0.05479	0.05684
Area	0.49631	0.04268	0.32567	0.00001	0.00228	—	0.00228	0.00225	—	0.00225
Energy	0.00171	0.02917	0.01241	0.00019	0.00236	—	0.00236	0.00236	—	0.00236
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—
Vegetation	-0.00020	-0.00448	—	-0.00020	-0.00116	-0.00116	-0.00232	-0.00032	-0.00032	-0.00063
Total	0.68504	0.22070	1.52481	0.00240	0.00566	0.21459	0.22025	0.00634	0.05448	0.06082

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Mobile	1.13144	0.85025	6.37413	0.01474	0.01333	1.34914	1.36247	0.01254	0.34253	0.35506
Area	2.82086	0.99207	2.72224	0.00009	0.05332	—	0.05332	0.05308	—	0.05308
Energy	0.00935	0.15981	0.06800	0.00102	0.01292	—	0.01292	0.01292	—	0.01292
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—
Vegetation	-0.00110	-0.02457	—	-0.00110	-0.00637	-0.00637	-0.01274	-0.00174	-0.00174	-0.00347
Total	3.96055	1.97756	9.16437	0.01476	0.07321	1.34277	1.41598	0.07680	0.34079	0.41759
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Mobile	1.17776	0.87214	6.47533	0.01474	0.01335	1.34914	1.36249	0.01255	0.34253	0.35508
Area	2.82138	0.99207	2.72355	0.00009	0.05332	—	0.05332	0.05308	—	0.05308
Energy	0.00935	0.15981	0.06800	0.00102	0.01292	—	0.01292	0.01292	—	0.01292
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—
Vegetation	-0.00110	-0.02457	—	-0.00110	-0.00637	-0.00637	-0.01274	-0.00174	-0.00174	-0.00347
Total	4.00739	1.99945	9.26688	0.01476	0.07322	1.34277	1.41599	0.07682	0.34079	0.41761
Average Daily	—	—	—	—	—	—	—	—	—	—
Mobile	1.02590	0.84022	6.50258	0.01318	0.01194	1.18218	1.19412	0.01123	0.30024	0.31147
Area	2.71949	0.23387	1.78452	0.00007	0.01252	—	0.01252	0.01233	—	0.01233
Energy	0.00935	0.15981	0.06800	0.00102	0.01292	—	0.01292	0.01292	—	0.01292
Water	—	—	—	—	—	—	—	—	—	—

Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—
Vegetation	-0.00110	-0.02457	—	-0.00110	-0.00637	-0.00637	-0.01274	-0.00174	-0.00174	-0.00347
Total	3.75364	1.20933	8.35511	0.01318	0.03101	1.17581	1.20683	0.03475	0.29850	0.33325
Annual	—	—	—	—	—	—	—	—	—	—
Mobile	0.18723	0.15334	1.18672	0.00241	0.00218	0.21575	0.21793	0.00205	0.05479	0.05684
Area	0.49631	0.04268	0.32567	0.00001	0.00228	—	0.00228	0.00225	—	0.00225
Energy	0.00171	0.02917	0.01241	0.00019	0.00236	—	0.00236	0.00236	—	0.00236
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—
Vegetation	-0.00020	-0.00448	—	-0.00020	-0.00116	-0.00116	-0.00232	-0.00032	-0.00032	-0.00063
Total	0.68504	0.22070	1.52481	0.00240	0.00566	0.21459	0.22025	0.00634	0.05448	0.06082

3. Construction Emissions Details

3.1. Demolition (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
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.39140	12.9413	14.6164	0.02393	0.50831	—	0.50831	0.46764	—	0.46764
Demolition	—	—	—	—	—	0.11598	0.11598	—	0.01756	0.01756
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.16392	1.52460	1.72193	0.00282	0.05988	—	0.05988	0.05509	—	0.05509
Demolition	—	—	—	—	—	0.01366	0.01366	—	0.00207	0.00207
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02992	0.27824	0.31425	0.00051	0.01093	—	0.01093	0.01005	—	0.01005
Demolition	—	—	—	—	—	0.00249	0.00249	—	0.00038	0.00038
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.05133	0.04500	0.54098	0.00000	0.00000	0.11154	0.11154	0.00000	0.02615	0.02615
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00504	0.30773	0.03613	0.00161	0.00468	0.06564	0.07033	0.00468	0.01797	0.02266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.00624	0.00632	0.07033	0.00000	0.00000	0.01286	0.01286	0.00000	0.00301	0.00301
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00058	0.03709	0.00430	0.00019	0.00055	0.00761	0.00816	0.00055	0.00209	0.00264
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.00114	0.00115	0.01284	0.00000	0.00000	0.00235	0.00235	0.00000	0.00055	0.00055
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00011	0.00677	0.00079	0.00003	0.00010	0.00139	0.00149	0.00010	0.00038	0.00048

3.2. Demolition (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
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Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.39140	12.9413	14.6164	0.02393	0.50831	—	0.50831	0.46764	—	0.46764
Demolition	—	—	—	—	—	0.11598	0.11598	—	0.01756	0.01756
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16392	1.52460	1.72193	0.00282	0.05988	—	0.05988	0.05509	—	0.05509
Demolition	—	—	—	—	—	0.01366	0.01366	—	0.00207	0.00207
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02992	0.27824	0.31425	0.00051	0.01093	—	0.01093	0.01005	—	0.01005
Demolition	—	—	—	—	—	0.00249	0.00249	—	0.00038	0.00038
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.05133	0.04500	0.54098	0.00000	0.00000	0.11154	0.11154	0.00000	0.02615	0.02615
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00504	0.30773	0.03613	0.00161	0.00468	0.06564	0.07033	0.00468	0.01797	0.02266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.00624	0.00632	0.07033	0.00000	0.00000	0.01286	0.01286	0.00000	0.00301	0.00301
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00058	0.03709	0.00430	0.00019	0.00055	0.00761	0.00816	0.00055	0.00209	0.00264

Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.00114	0.00115	0.01284	0.00000	0.00000	0.00235	0.00235	0.00000	0.00055	0.00055
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00011	0.00677	0.00079	0.00003	0.00010	0.00139	0.00149	0.00010	0.00038	0.00048

3.3. Site Preparation (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
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23504	11.0389	11.7202	0.01906	0.50687	—	0.50687	0.46633	—	0.46633
Dust From Material Movement	—	—	—	—	—	2.44297	2.44297	—	1.17151	1.17151
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23504	11.0389	11.7202	0.01906	0.50687	—	0.50687	0.46633	—	0.46633
Dust From Material Movement	—	—	—	—	—	2.44297	2.44297	—	1.17151	1.17151
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07444	0.66536	0.70643	0.00115	0.03055	—	0.03055	0.02811	—	0.02811
Dust From Material Movement	—	—	—	—	—	0.14725	0.14725	—	0.07061	0.07061
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01359	0.12143	0.12892	0.00021	0.00558	—	0.00558	0.00513	—	0.00513
Dust From Material Movement	—	—	—	—	—	0.02687	0.02687	—	0.01289	0.01289
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.03080	0.02700	0.32459	0.00000	0.00000	0.06693	0.06693	0.00000	0.01569	0.01569
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00068	0.04148	0.00487	0.00022	0.00063	0.00885	0.00948	0.00063	0.00242	0.00305
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.03195	0.02909	0.32790	0.00000	0.00000	0.06693	0.06693	0.00000	0.01569	0.01569
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00065	0.04218	0.00500	0.00022	0.00064	0.00885	0.00949	0.00064	0.00242	0.00306
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.00192	0.00194	0.02159	0.00000	0.00000	0.00395	0.00395	0.00000	0.00092	0.00092
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00004	0.00256	0.00030	0.00001	0.00004	0.00052	0.00056	0.00004	0.00014	0.00018
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.00035	0.00035	0.00394	0.00000	0.00000	0.00072	0.00072	0.00000	0.00017	0.00017
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00001	0.00047	0.00005	< 0.000005	0.00001	0.00010	0.00010	0.00001	0.00003	0.00003

3.4. Site Preparation (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
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Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23504	11.0389	11.7202	0.01906	0.50687	—	0.50687	0.46633	—	0.46633
Dust From Material Movement	—	—	—	—	—	2.44297	2.44297	—	1.17151	1.17151
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23504	11.0389	11.7202	0.01906	0.50687	—	0.50687	0.46633	—	0.46633
Dust From Material Movement	—	—	—	—	—	2.44297	2.44297	—	1.17151	1.17151
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07444	0.66536	0.70643	0.00115	0.03055	—	0.03055	0.02811	—	0.02811
Dust From Material Movement	—	—	—	—	—	0.14725	0.14725	—	0.07061	0.07061
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01359	0.12143	0.12892	0.00021	0.00558	—	0.00558	0.00513	—	0.00513
Dust From Material Movement	—	—	—	—	—	0.02687	0.02687	—	0.01289	0.01289
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—

Worker	0.03080	0.02700	0.32459	0.00000	0.00000	0.06693	0.06693	0.00000	0.01569	0.01569
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00068	0.04148	0.00487	0.00022	0.00063	0.00885	0.00948	0.00063	0.00242	0.00305
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.03195	0.02909	0.32790	0.00000	0.00000	0.06693	0.06693	0.00000	0.01569	0.01569
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00065	0.04218	0.00500	0.00022	0.00064	0.00885	0.00949	0.00064	0.00242	0.00306
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.00192	0.00194	0.02159	0.00000	0.00000	0.00395	0.00395	0.00000	0.00092	0.00092
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00004	0.00256	0.00030	0.00001	0.00004	0.00052	0.00056	0.00004	0.00014	0.00018
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.00035	0.00035	0.00394	0.00000	0.00000	0.00072	0.00072	0.00000	0.00017	0.00017
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00001	0.00047	0.00005	< 0.000005	0.00001	0.00010	0.00010	0.00001	0.00003	0.00003

3.5. Grading (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
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.42488	12.8567	14.0337	0.02266	0.57894	—	0.57894	0.53263	—	0.53263
Dust From Material Movement	—	—	—	—	—	2.76300	2.76300	—	1.33577	1.33577
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16786	1.51462	1.65328	0.00267	0.06820	—	0.06820	0.06275	—	0.06275
Dust From Material Movement	—	—	—	—	—	0.32550	0.32550	—	0.15736	0.15736
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03064	0.27642	0.30172	0.00049	0.01245	—	0.01245	0.01145	—	0.01145
Dust From Material Movement	—	—	—	—	—	0.05940	0.05940	—	0.02872	0.02872
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.04106	0.03600	0.43279	0.00000	0.00000	0.08924	0.08924	0.00000	0.02092	0.02092
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00724	0.44214	0.05191	0.00231	0.00673	0.09432	0.10105	0.00673	0.02582	0.03255
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.00499	0.00505	0.05626	0.00000	0.00000	0.01029	0.01029	0.00000	0.00241	0.00241
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00084	0.05330	0.00618	0.00027	0.00079	0.01093	0.01172	0.00079	0.00300	0.00379
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.00091	0.00092	0.01027	0.00000	0.00000	0.00188	0.00188	0.00000	0.00044	0.00044
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00015	0.00973	0.00113	0.00005	0.00014	0.00199	0.00214	0.00014	0.00055	0.00069

3.6. Grading (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
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.42488	12.8567	14.0337	0.02266	0.57894	—	0.57894	0.53263	—	0.53263
Dust From Material Movement	—	—	—	—	—	2.76300	2.76300	—	1.33577	1.33577
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16786	1.51462	1.65328	0.00267	0.06820	—	0.06820	0.06275	—	0.06275
Dust From Material Movement	—	—	—	—	—	0.32550	0.32550	—	0.15736	0.15736
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03064	0.27642	0.30172	0.00049	0.01245	—	0.01245	0.01145	—	0.01145
Dust From Material Movement	—	—	—	—	—	0.05940	0.05940	—	0.02872	0.02872
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.04106	0.03600	0.43279	0.00000	0.00000	0.08924	0.08924	0.00000	0.02092	0.02092

Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00724	0.44214	0.05191	0.00231	0.00673	0.09432	0.10105	0.00673	0.02582	0.03255
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.00499	0.00505	0.05626	0.00000	0.00000	0.01029	0.01029	0.00000	0.00241	0.00241
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00084	0.05330	0.00618	0.00027	0.00079	0.01093	0.01172	0.00079	0.00300	0.00379
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.00091	0.00092	0.01027	0.00000	0.00000	0.00188	0.00188	0.00000	0.00044	0.00044
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00015	0.00973	0.00113	0.00005	0.00014	0.00199	0.00214	0.00014	0.00055	0.00069

3.7. Building 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
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01475	8.56875	9.95599	0.01942	0.29272	—	0.29272	0.26930	—	0.26930
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01475	8.56875	9.95599	0.01942	0.29272	—	0.29272	0.26930	—	0.26930
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50996	4.30617	5.00332	0.00976	0.14710	—	0.14710	0.13534	—	0.13534

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09307	0.78588	0.91311	0.00178	0.02685	—	0.02685	0.02470	—	0.02470
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.11235	0.09850	1.18410	0.00000	0.00000	0.24415	0.24415	0.00000	0.05723	0.05723
Vendor	0.00659	0.20710	0.07879	0.00115	0.00212	0.04038	0.04250	0.00212	0.01116	0.01328
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.11657	0.10612	1.19616	0.00000	0.00000	0.24415	0.24415	0.00000	0.05723	0.05723
Vendor	0.00650	0.21225	0.08112	0.00115	0.00212	0.04038	0.04250	0.00212	0.01116	0.01328
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.05828	0.05898	0.65668	0.00000	0.00000	0.12006	0.12006	0.00000	0.02810	0.02810
Vendor	0.00331	0.10724	0.04104	0.00058	0.00107	0.01993	0.02099	0.00107	0.00551	0.00658
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.01064	0.01076	0.11984	0.00000	0.00000	0.02191	0.02191	0.00000	0.00513	0.00513
Vendor	0.00060	0.01957	0.00749	0.00011	0.00019	0.00364	0.00383	0.00019	0.00101	0.00120
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.8. Building 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
Onsite	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01475	8.56875	9.95599	0.01942	0.29272	—	0.29272	0.26930	—	0.26930
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01475	8.56875	9.95599	0.01942	0.29272	—	0.29272	0.26930	—	0.26930
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50996	4.30617	5.00332	0.00976	0.14710	—	0.14710	0.13534	—	0.13534
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09307	0.78588	0.91311	0.00178	0.02685	—	0.02685	0.02470	—	0.02470
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.11235	0.09850	1.18410	0.00000	0.00000	0.24415	0.24415	0.00000	0.05723	0.05723
Vendor	0.00659	0.20710	0.07879	0.00115	0.00212	0.04038	0.04250	0.00212	0.01116	0.01328
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.11657	0.10612	1.19616	0.00000	0.00000	0.24415	0.24415	0.00000	0.05723	0.05723
Vendor	0.00650	0.21225	0.08112	0.00115	0.00212	0.04038	0.04250	0.00212	0.01116	0.01328
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.05828	0.05898	0.65668	0.00000	0.00000	0.12006	0.12006	0.00000	0.02810	0.02810

Vendor	0.00331	0.10724	0.04104	0.00058	0.00107	0.01993	0.02099	0.00107	0.00551	0.00658
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.01064	0.01076	0.11984	0.00000	0.00000	0.02191	0.02191	0.00000	0.00513	0.00513
Vendor	0.00060	0.01957	0.00749	0.00011	0.00019	0.00364	0.00383	0.00019	0.00101	0.00120
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.9. 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
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97105	8.25338	9.90715	0.01942	0.26132	—	0.26132	0.24041	—	0.24041
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97105	8.25338	9.90715	0.01942	0.26132	—	0.26132	0.24041	—	0.24041
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83233	7.07432	8.49184	0.01665	0.22399	—	0.22399	0.20607	—	0.20607
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15190	1.29106	1.54976	0.00304	0.04088	—	0.04088	0.03761	—	0.03761
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.10752	0.08968	1.09563	0.00000	0.00000	0.24415	0.24415	0.00000	0.05723	0.05723
Vendor	0.00650	0.19559	0.07285	0.00115	0.00212	0.04038	0.04250	0.00212	0.01116	0.01328
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.11114	0.09729	1.10709	0.00000	0.00000	0.24415	0.24415	0.00000	0.05723	0.05723
Vendor	0.00641	0.19986	0.07509	0.00115	0.00212	0.04038	0.04250	0.00212	0.01116	0.01328
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.09475	0.09303	1.03800	0.00000	0.00000	0.20478	0.20478	0.00000	0.04793	0.04793
Vendor	0.00557	0.17221	0.06476	0.00099	0.00182	0.03398	0.03580	0.00182	0.00941	0.01123
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.01729	0.01698	0.18943	0.00000	0.00000	0.03737	0.03737	0.00000	0.00875	0.00875
Vendor	0.00102	0.03143	0.01182	0.00018	0.00033	0.00620	0.00653	0.00033	0.00172	0.00205
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.10. 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
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97105	8.25338	9.90715	0.01942	0.26132	—	0.26132	0.24041	—	0.24041
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.97105	8.25338	9.90715	0.01942	0.26132	—	0.26132	0.24041	—	0.24041
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83233	7.07432	8.49184	0.01665	0.22399	—	0.22399	0.20607	—	0.20607
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15190	1.29106	1.54976	0.00304	0.04088	—	0.04088	0.03761	—	0.03761
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.10752	0.08968	1.09563	0.00000	0.00000	0.24415	0.24415	0.00000	0.05723	0.05723
Vendor	0.00650	0.19559	0.07285	0.00115	0.00212	0.04038	0.04250	0.00212	0.01116	0.01328
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.11114	0.09729	1.10709	0.00000	0.00000	0.24415	0.24415	0.00000	0.05723	0.05723
Vendor	0.00641	0.19986	0.07509	0.00115	0.00212	0.04038	0.04250	0.00212	0.01116	0.01328
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.09475	0.09303	1.03800	0.00000	0.00000	0.20478	0.20478	0.00000	0.04793	0.04793
Vendor	0.00557	0.17221	0.06476	0.00099	0.00182	0.03398	0.03580	0.00182	0.00941	0.01123
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.01729	0.01698	0.18943	0.00000	0.00000	0.03737	0.03737	0.00000	0.00875	0.00875
Vendor	0.00102	0.03143	0.01182	0.00018	0.00033	0.00620	0.00653	0.00033	0.00172	0.00205
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.11. 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
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92809	7.88994	9.87597	0.01943	0.23087	—	0.23087	0.21240	—	0.21240
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92809	7.88994	9.87597	0.01943	0.23087	—	0.23087	0.21240	—	0.21240
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45333	3.85387	4.82396	0.00949	0.11277	—	0.11277	0.10375	—	0.10375
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08273	0.70333	0.88037	0.00173	0.02058	—	0.02058	0.01893	—	0.01893
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.10390	0.08085	1.02481	0.00000	0.00000	0.24415	0.24415	0.00000	0.05723	0.05723
Vendor	0.00641	0.18523	0.06807	0.00115	0.00212	0.04038	0.04250	0.00212	0.01116	0.01328
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.10692	0.08907	1.03507	0.00000	0.00000	0.24415	0.24415	0.00000	0.05723	0.05723

Vendor	0.00623	0.18959	0.07022	0.00115	0.00212	0.04038	0.04250	0.00212	0.01116	0.01328
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.05223	0.04841	0.55368	0.00000	0.00000	0.11670	0.11670	0.00000	0.02731	0.02731
Vendor	0.00309	0.09308	0.03448	0.00056	0.00104	0.01937	0.02040	0.00104	0.00536	0.00640
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.00953	0.00883	0.10105	0.00000	0.00000	0.02130	0.02130	0.00000	0.00498	0.00498
Vendor	0.00056	0.01699	0.00629	0.00010	0.00019	0.00353	0.00372	0.00019	0.00098	0.00117
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.12. 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
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92809	7.88994	9.87597	0.01943	0.23087	—	0.23087	0.21240	—	0.21240
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92809	7.88994	9.87597	0.01943	0.23087	—	0.23087	0.21240	—	0.21240
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45333	3.85387	4.82396	0.00949	0.11277	—	0.11277	0.10375	—	0.10375
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.08273	0.70333	0.88037	0.00173	0.02058	—	0.02058	0.01893	—	0.01893
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.10390	0.08085	1.02481	0.00000	0.00000	0.24415	0.24415	0.00000	0.05723	0.05723
Vendor	0.00641	0.18523	0.06807	0.00115	0.00212	0.04038	0.04250	0.00212	0.01116	0.01328
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.10692	0.08907	1.03507	0.00000	0.00000	0.24415	0.24415	0.00000	0.05723	0.05723
Vendor	0.00623	0.18959	0.07022	0.00115	0.00212	0.04038	0.04250	0.00212	0.01116	0.01328
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.05223	0.04841	0.55368	0.00000	0.00000	0.11670	0.11670	0.00000	0.02731	0.02731
Vendor	0.00309	0.09308	0.03448	0.00056	0.00104	0.01937	0.02040	0.00104	0.00536	0.00640
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.00953	0.00883	0.10105	0.00000	0.00000	0.02130	0.02130	0.00000	0.00498	0.00498
Vendor	0.00056	0.01699	0.00629	0.00010	0.00019	0.00353	0.00372	0.00019	0.00098	0.00117
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.13. Paving (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
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.47034	4.41420	6.48016	0.00940	0.18282	—	0.18282	0.16820	—	0.16820
Paving	0.13100	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02835	0.26606	0.39059	0.00057	0.01102	—	0.01102	0.01014	—	0.01014
Paving	0.00790	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00517	0.04856	0.07128	0.00010	0.00201	—	0.00201	0.00185	—	0.00185
Paving	0.00144	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.05133	0.04500	0.54098	0.00000	0.00000	0.11154	0.11154	0.00000	0.02615	0.02615
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.00319	0.00323	0.03598	0.00000	0.00000	0.00658	0.00658	0.00000	0.00154	0.00154
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.00058	0.00059	0.00657	0.00000	0.00000	0.00120	0.00120	0.00000	0.00028	0.00028
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
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3.14. Paving (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
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47034	4.41420	6.48016	0.00940	0.18282	—	0.18282	0.16820	—	0.16820
Paving	0.13100	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02835	0.26606	0.39059	0.00057	0.01102	—	0.01102	0.01014	—	0.01014
Paving	0.00790	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00517	0.04856	0.07128	0.00010	0.00201	—	0.00201	0.00185	—	0.00185
Paving	0.00144	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.05133	0.04500	0.54098	0.00000	0.00000	0.11154	0.11154	0.00000	0.02615	0.02615
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.00319	0.00323	0.03598	0.00000	0.00000	0.00658	0.00658	0.00000	0.00154	0.00154
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.00058	0.00059	0.00657	0.00000	0.00000	0.00120	0.00120	0.00000	0.00028	0.00028
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.15. Architectural Coating (2029) - 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
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10236	0.79416	1.11216	0.00173	0.01284	—	0.01284	0.01181	—	0.01181
Architectural Coatings	103.528	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00729	0.05657	0.07922	0.00012	0.00091	—	0.00091	0.00084	—	0.00084
Architectural Coatings	7.37460	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.00133	0.01032	0.01446	0.00002	0.00017	—	0.00017	0.00015	—	0.00015
Architectural Coatings	1.34586	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.01994	0.01605	0.19080	0.00000	0.00000	0.04883	0.04883	0.00000	0.01145	0.01145
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.00145	0.00129	0.01505	0.00000	0.00000	0.00340	0.00340	0.00000	0.00080	0.00080
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.00027	0.00024	0.00275	0.00000	0.00000	0.00062	0.00062	0.00000	0.00015	0.00015
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.16. Architectural Coating (2029) - 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
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10236	0.79416	1.11216	0.00173	0.01284	—	0.01284	0.01181	—	0.01181

Architectural Coatings	103.528	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00729	0.05657	0.07922	0.00012	0.00091	—	0.00091	0.00084	—	0.00084
Architectural Coatings	7.37460	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00133	0.01032	0.01446	0.00002	0.00017	—	0.00017	0.00015	—	0.00015
Architectural Coatings	1.34586	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.01994	0.01605	0.19080	0.00000	0.00000	0.04883	0.04883	0.00000	0.01145	0.01145
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.00145	0.00129	0.01505	0.00000	0.00000	0.00340	0.00340	0.00000	0.00080	0.00080
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.00027	0.00024	0.00275	0.00000	0.00000	0.00062	0.00062	0.00000	0.00015	0.00015

Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.17. Trenching (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
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17837	1.24742	1.42751	0.00191	0.04971	—	0.04971	0.04573	—	0.04573
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01075	0.07519	0.08604	0.00012	0.00300	—	0.00300	0.00276	—	0.00276
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00196	0.01372	0.01570	0.00002	0.00055	—	0.00055	0.00050	—	0.00050
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.01027	0.00900	0.10820	0.00000	0.00000	0.02231	0.02231	0.00000	0.00523	0.00523
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—

Worker	0.00064	0.00065	0.00720	0.00000	0.00000	0.00132	0.00132	0.00000	0.00031	0.00031
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.00012	0.00012	0.00131	0.00000	0.00000	0.00024	0.00024	0.00000	0.00006	0.00006
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.18. Trenching (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
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17837	1.24742	1.42751	0.00191	0.04971	—	0.04971	0.04573	—	0.04573
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01075	0.07519	0.08604	0.00012	0.00300	—	0.00300	0.00276	—	0.00276
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00196	0.01372	0.01570	0.00002	0.00055	—	0.00055	0.00050	—	0.00050
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—

Worker	0.01027	0.00900	0.10820	0.00000	0.00000	0.02231	0.02231	0.00000	0.00523	0.00523
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.00064	0.00065	0.00720	0.00000	0.00000	0.00132	0.00132	0.00000	0.00031	0.00031
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.00012	0.00012	0.00131	0.00000	0.00000	0.00024	0.00024	0.00000	0.00006	0.00006
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	1.13144	0.85025	6.37413	0.01474	0.01333	1.34914	1.36247	0.01254	0.34253	0.35506
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.13144	0.85025	6.37413	0.01474	0.01333	1.34914	1.36247	0.01254	0.34253	0.35506

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	1.17776	0.87214	6.47533	0.01474	0.01335	1.34914	1.36249	0.01255	0.34253	0.35508
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.17776	0.87214	6.47533	0.01474	0.01335	1.34914	1.36249	0.01255	0.34253	0.35508
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.18723	0.15334	1.18672	0.00241	0.00218	0.21575	0.21793	0.00205	0.05479	0.05684
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.18723	0.15334	1.18672	0.00241	0.00218	0.21575	0.21793	0.00205	0.05479	0.05684

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	1.13144	0.85025	6.37413	0.01474	0.01333	1.34914	1.36247	0.01254	0.34253	0.35506
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.13144	0.85025	6.37413	0.01474	0.01333	1.34914	1.36247	0.01254	0.34253	0.35506
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	1.17776	0.87214	6.47533	0.01474	0.01335	1.34914	1.36249	0.01255	0.34253	0.35508
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.17776	0.87214	6.47533	0.01474	0.01335	1.34914	1.36249	0.01255	0.34253	0.35508
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.18723	0.15334	1.18672	0.00241	0.00218	0.21575	0.21793	0.00205	0.05479	0.05684
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.18723	0.15334	1.18672	0.00241	0.00218	0.21575	0.21793	0.00205	0.05479	0.05684

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.00935	0.15981	0.06800	0.00102	0.01292	—	0.01292	0.01292	—	0.01292
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000
Total	0.00935	0.15981	0.06800	0.00102	0.01292	—	0.01292	0.01292	—	0.01292
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.00935	0.15981	0.06800	0.00102	0.01292	—	0.01292	0.01292	—	0.01292
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000
Total	0.00935	0.15981	0.06800	0.00102	0.01292	—	0.01292	0.01292	—	0.01292
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.00171	0.02917	0.01241	0.00019	0.00236	—	0.00236	0.00236	—	0.00236
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000
Total	0.00171	0.02917	0.01241	0.00019	0.00236	—	0.00236	0.00236	—	0.00236

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.00935	0.15981	0.06800	0.00102	0.01292	—	0.01292	0.01292	—	0.01292
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000
Total	0.00935	0.15981	0.06800	0.00102	0.01292	—	0.01292	0.01292	—	0.01292
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.00935	0.15981	0.06800	0.00102	0.01292	—	0.01292	0.01292	—	0.01292
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000
Total	0.00935	0.15981	0.06800	0.00102	0.01292	—	0.01292	0.01292	—	0.01292
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.00171	0.02917	0.01241	0.00019	0.00236	—	0.00236	0.00236	—	0.00236
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000
Total	0.00171	0.02917	0.01241	0.00019	0.00236	—	0.00236	0.00236	—	0.00236

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Hearths	0.07475	0.97180	0.56066	0.00000	0.05233	—	0.05233	0.05233	—	0.05233
Consumer Products	1.82161	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.73746	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.18703	0.02026	2.16159	0.00009	0.00099	—	0.00099	0.00075	—	0.00075
Total	2.82086	0.99207	2.72224	0.00009	0.05332	—	0.05332	0.05308	—	0.05308
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Hearths	0.07475	0.97180	0.56066	0.00000	0.05233	—	0.05233	0.05233	—	0.05233
Consumer Products	1.82161	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.73746	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.18755	0.02027	2.16290	0.00009	0.00099	—	0.00099	0.00075	—	0.00075
Total	2.82138	0.99207	2.72355	0.00009	0.05332	—	0.05332	0.05308	—	0.05308
Annual	—	—	—	—	—	—	—	—	—	—
Hearths	0.00306	0.03984	0.02299	0.00000	0.00215	—	0.00215	0.00215	—	0.00215
Consumer Products	0.33244	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.13459	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.02621	0.00284	0.30269	0.00001	0.00014	—	0.00014	0.00011	—	0.00011
Total	0.49631	0.04268	0.32567	0.00001	0.00228	—	0.00228	0.00225	—	0.00225

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Hearths	0.07475	0.97180	0.56066	0.00000	0.05233	—	0.05233	0.05233	—	0.05233
Consumer Products	1.82161	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.73746	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.18703	0.02026	2.16159	0.00009	0.00099	—	0.00099	0.00075	—	0.00075
Total	2.82086	0.99207	2.72224	0.00009	0.05332	—	0.05332	0.05308	—	0.05308
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Hearths	0.07475	0.97180	0.56066	0.00000	0.05233	—	0.05233	0.05233	—	0.05233
Consumer Products	1.82161	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.73746	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.18755	0.02027	2.16290	0.00009	0.00099	—	0.00099	0.00075	—	0.00075
Total	2.82138	0.99207	2.72355	0.00009	0.05332	—	0.05332	0.05308	—	0.05308
Annual	—	—	—	—	—	—	—	—	—	—
Hearths	0.00306	0.03984	0.02299	0.00000	0.00215	—	0.00215	0.00215	—	0.00215
Consumer Products	0.33244	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.13459	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.02621	0.00284	0.30269	0.00001	0.00014	—	0.00014	0.00011	—	0.00011
Total	0.49631	0.04268	0.32567	0.00001	0.00228	—	0.00228	0.00225	—	0.00225

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—

Apartments Low Rise	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

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
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
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
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
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
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
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
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
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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—
Jeffrey Pine	-0.00110	-0.00347	—	-0.00082	-0.00151	-0.00151	-0.00302	-0.00041	-0.00041	-0.00082
Subtotal	-0.00110	-0.00347	—	-0.00082	-0.00151	-0.00151	-0.00302	-0.00041	-0.00041	-0.00082
Sequestered	—	—	—	—	—	—	—	—	—	—
Jeffrey Pine	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—
Jeffrey Pine	—	-0.02110	—	-0.00027	-0.00486	-0.00486	-0.00972	-0.00132	-0.00132	-0.00265
Subtotal	—	-0.02110	—	-0.00027	-0.00486	-0.00486	-0.00972	-0.00132	-0.00132	-0.00265
—	—	—	—	—	—	—	—	—	—	—
Total	-0.00110	-0.02457	—	-0.00110	-0.00637	-0.00637	-0.01274	-0.00174	-0.00174	-0.00347
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—
Jeffrey Pine	-0.00110	-0.00347	—	-0.00082	-0.00151	-0.00151	-0.00302	-0.00041	-0.00041	-0.00082
Subtotal	-0.00110	-0.00347	—	-0.00082	-0.00151	-0.00151	-0.00302	-0.00041	-0.00041	-0.00082
Sequestered	—	—	—	—	—	—	—	—	—	—

Jeffrey Pine	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—
Jeffrey Pine	—	-0.02110	—	-0.00027	-0.00486	-0.00486	-0.00972	-0.00132	-0.00132	-0.00265
Subtotal	—	-0.02110	—	-0.00027	-0.00486	-0.00486	-0.00972	-0.00132	-0.00132	-0.00265
—	—	—	—	—	—	—	—	—	—	—
Total	-0.00110	-0.02457	—	-0.00110	-0.00637	-0.00637	-0.01274	-0.00174	-0.00174	-0.00347
Annual	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—
Jeffrey Pine	-0.00020	-0.00063	—	-0.00015	-0.00028	-0.00028	-0.00055	-0.00007	-0.00007	-0.00015
Subtotal	-0.00020	-0.00063	—	-0.00015	-0.00028	-0.00028	-0.00055	-0.00007	-0.00007	-0.00015
Sequestered	—	—	—	—	—	—	—	—	—	—
Jeffrey Pine	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—
Jeffrey Pine	—	-0.00385	—	-0.00005	-0.00089	-0.00089	-0.00177	-0.00024	-0.00024	-0.00048
Subtotal	—	-0.00385	—	-0.00005	-0.00089	-0.00089	-0.00177	-0.00024	-0.00024	-0.00048
—	—	—	—	—	—	—	—	—	—	—
Total	-0.00020	-0.00448	—	-0.00020	-0.00116	-0.00116	-0.00232	-0.00032	-0.00032	-0.00063

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
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
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
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—
Jeffrey Pine	-0.00110	-0.00347	—	-0.00082	-0.00151	-0.00151	-0.00302	-0.00041	-0.00041	-0.00082
Subtotal	-0.00110	-0.00347	—	-0.00082	-0.00151	-0.00151	-0.00302	-0.00041	-0.00041	-0.00082
Sequestered	—	—	—	—	—	—	—	—	—	—
Jeffrey Pine	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—
Jeffrey Pine	—	-0.02110	—	-0.00027	-0.00486	-0.00486	-0.00972	-0.00132	-0.00132	-0.00265
Subtotal	—	-0.02110	—	-0.00027	-0.00486	-0.00486	-0.00972	-0.00132	-0.00132	-0.00265

—	—	—	—	—	—	—	—	—	—	—
Total	-0.00110	-0.02457	—	-0.00110	-0.00637	-0.00637	-0.01274	-0.00174	-0.00174	-0.00347
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—
Jeffrey Pine	-0.00110	-0.00347	—	-0.00082	-0.00151	-0.00151	-0.00302	-0.00041	-0.00041	-0.00082
Subtotal	-0.00110	-0.00347	—	-0.00082	-0.00151	-0.00151	-0.00302	-0.00041	-0.00041	-0.00082
Sequestered	—	—	—	—	—	—	—	—	—	—
Jeffrey Pine	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—
Jeffrey Pine	—	-0.02110	—	-0.00027	-0.00486	-0.00486	-0.00972	-0.00132	-0.00132	-0.00265
Subtotal	—	-0.02110	—	-0.00027	-0.00486	-0.00486	-0.00972	-0.00132	-0.00132	-0.00265
—	—	—	—	—	—	—	—	—	—	—
Total	-0.00110	-0.02457	—	-0.00110	-0.00637	-0.00637	-0.01274	-0.00174	-0.00174	-0.00347
Annual	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—
Jeffrey Pine	-0.00020	-0.00063	—	-0.00015	-0.00028	-0.00028	-0.00055	-0.00007	-0.00007	-0.00015
Subtotal	-0.00020	-0.00063	—	-0.00015	-0.00028	-0.00028	-0.00055	-0.00007	-0.00007	-0.00015
Sequestered	—	—	—	—	—	—	—	—	—	—
Jeffrey Pine	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—
Jeffrey Pine	—	-0.00385	—	-0.00005	-0.00089	-0.00089	-0.00177	-0.00024	-0.00024	-0.00048
Subtotal	—	-0.00385	—	-0.00005	-0.00089	-0.00089	-0.00177	-0.00024	-0.00024	-0.00048
—	—	—	—	—	—	—	—	—	—	—
Total	-0.00020	-0.00448	—	-0.00020	-0.00116	-0.00116	-0.00232	-0.00032	-0.00032	-0.00063

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	4/1/2026	5/20/2026	6.00000	43.0000	—
Site Preparation	Site Preparation	3/15/2026	4/9/2026	6.00000	22.0000	—
Grading	Grading	4/15/2026	6/3/2026	6.00000	43.0000	—
Building Construction	Building Construction	6/1/2026	7/26/2028	6.00000	675.000	—
Paving	Paving	6/16/2026	7/10/2026	6.00000	22.0000	—
Architectural Coating	Architectural Coating	6/1/2029	6/30/2029	6.00000	26.0000	—
Trenching	Trenching	4/15/2026	5/9/2026	6.00000	22.0000	—

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	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000
Demolition	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Demolition	Tractors/Loaders/Back hoes	Diesel	Average	3.00000	8.00000	84.0000	0.37000
Site Preparation	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Site Preparation	Rubber Tired Dozers	Diesel	Average	1.000000	7.00000	367.000	0.40000
Site Preparation	Tractors/Loaders/Back hoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Grading	Tractors/Loaders/Back hoes	Diesel	Average	2.00000	7.00000	84.0000	0.37000

Building Construction	Cranes	Diesel	Average	1.000000	6.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	1.000000	6.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	1.000000	6.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	3.00000	8.00000	46.0000	0.45000
Paving	Cement and Mortar Mixers	Diesel	Average	1.000000	6.00000	10.00000	0.56000
Paving	Pavers	Diesel	Average	1.000000	6.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	1.000000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	1.000000	7.00000	36.0000	0.38000
Paving	Tractors/Loaders/Back hoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000
Trenching	Trenchers	Diesel	Average	1.000000	8.00000	40.0000	0.50000

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000
Demolition	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Demolition	Tractors/Loaders/Back hoes	Diesel	Average	3.00000	8.00000	84.0000	0.37000
Site Preparation	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Site Preparation	Rubber Tired Dozers	Diesel	Average	1.000000	7.00000	367.000	0.40000
Site Preparation	Tractors/Loaders/Back hoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Grading	Tractors/Loaders/Back hoes	Diesel	Average	2.00000	7.00000	84.0000	0.37000

Building Construction	Cranes	Diesel	Average	1.000000	6.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	1.000000	6.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	1.000000	6.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	3.00000	8.00000	46.0000	0.45000
Paving	Cement and Mortar Mixers	Diesel	Average	1.000000	6.00000	10.00000	0.56000
Paving	Pavers	Diesel	Average	1.000000	6.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	1.000000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	1.000000	7.00000	36.0000	0.38000
Paving	Tractors/Loaders/Back hoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000
Trenching	Trenchers	Diesel	Average	1.000000	8.00000	40.0000	0.50000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	12.5000	12.6300	LDA,LDT1,LDT2
Demolition	Vendor	—	11.8500	HHDT,MHDT
Demolition	Hauling	2.02326	35.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	7.50000	12.6300	LDA,LDT1,LDT2
Site Preparation	Vendor	—	11.8500	HHDT,MHDT
Site Preparation	Hauling	0.27273	35.0000	HHDT
Site Preparation	Onsite truck	—	-2.00000	HHDT
Grading	Worker	10.00000	12.6300	LDA,LDT1,LDT2

Grading	Vendor	—	11.8500	HHDT,MHDT
Grading	Hauling	2.90698	35.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	27.3600	12.6300	LDA,LDT1,LDT2
Building Construction	Vendor	4.06220	11.8500	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	12.5000	12.6300	LDA,LDT1,LDT2
Paving	Vendor	—	11.8500	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	5.47200	12.6300	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	11.8500	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Trenching	Worker	2.50000	12.6300	LDA,LDT1,LDT2
Trenching	Vendor	—	11.8500	HHDT,MHDT
Trenching	Hauling	0.00000	20.0000	HHDT
Trenching	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	12.5000	12.6300	LDA,LDT1,LDT2
Demolition	Vendor	—	11.8500	HHDT,MHDT
Demolition	Hauling	2.02326	35.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	7.50000	12.6300	LDA,LDT1,LDT2
Site Preparation	Vendor	—	11.8500	HHDT,MHDT

Site Preparation	Hauling	0.27273	35.0000	HHDT
Site Preparation	Onsite truck	—	-2.00000	HHDT
Grading	Worker	10.00000	12.6300	LDA,LDT1,LDT2
Grading	Vendor	—	11.8500	HHDT,MHDT
Grading	Hauling	2.90698	35.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	27.3600	12.6300	LDA,LDT1,LDT2
Building Construction	Vendor	4.06220	11.8500	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	12.5000	12.6300	LDA,LDT1,LDT2
Paving	Vendor	—	11.8500	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	5.47200	12.6300	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	11.8500	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Trenching	Worker	2.50000	12.6300	LDA,LDT1,LDT2
Trenching	Vendor	—	11.8500	HHDT,MHDT
Trenching	Hauling	0.00000	20.0000	HHDT
Trenching	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	172,016	57,338.6	0.00000	0.00000	2,874.96

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Ton of Debris)	Material Exported (Ton of Debris)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00000	0.00000	0.00000	347.000	0.00000
Site Preparation	—	60.0000	20.6250	0.00000	0.00000
Grading	1,000.000	—	43.0000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	1.10000

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

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Apartments Low Rise	—	0%
Paving	Parking Lot	0.16000	100%
Paving	Other Asphalt Surfaces	0.94000	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
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2026	0.00000	203.983	0.03300	0.00400
2027	0.00000	203.983	0.03300	0.00400
2028	0.00000	203.983	0.03300	0.00400
2029	0.00000	203.983	0.03300	0.00400

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 Low Rise	278.160	309.320	238.640	101,092	1,712.42	1,904.25	1,469.12	622,350
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Low Rise	278.160	309.320	238.640	101,092	1,712.42	1,904.25	1,469.12	622,350
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Apartments Low Rise	Wood Fireplaces	0	0
Apartments Low Rise	Gas Fireplaces	0	0

Apartments Low Rise	Propane Fireplaces	38	38
Apartments Low Rise	Electric Fireplaces	0	0
Apartments Low Rise	No Fireplaces	0	0
Apartments Low Rise	Conventional Wood Stoves	0	0
Apartments Low Rise	Catalytic Wood Stoves	0	0
Apartments Low Rise	Non-Catalytic Wood Stoves	0	0
Apartments Low Rise	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0
Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0
Other Asphalt Surfaces	Wood Fireplaces	0	0
Other Asphalt Surfaces	Gas Fireplaces	0	0
Other Asphalt Surfaces	Propane Fireplaces	0	0
Other Asphalt Surfaces	Electric Fireplaces	0	0
Other Asphalt Surfaces	No Fireplaces	0	0
Other Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Pellet Wood Stoves	0	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)
172,016	57,338.6	0.00000	0.00000	2,874.96

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	100.0000
Summer Days	day/yr	180.000

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	100.0000
Summer Days	day/yr	180.000

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 Low Rise	178,058	203.983	0.0330	0.0040	632,949
Parking Lot	6,105.37	203.983	0.0330	0.0040	0.00000
Other Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000

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 Low Rise	178,058	203.983	0.0330	0.0040	632,949
Parking Lot	6,105.37	203.983	0.0330	0.0040	0.00000

Other Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000
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5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Low Rise	1,124,510	877,545
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Low Rise	1,124,510	877,545
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Low Rise	28.0152	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Low Rise	28.0152	0.00000

Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000

5.14.2. Mitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000

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

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)
Jeffrey Pine	45.0000	152,061	360.000
Jeffrey Pine	-45.0000	-230,323	-532.000

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
Jeffrey Pine	45.0000	152,061	360.000
Jeffrey Pine	-45.0000	-230,323	-532.000

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	36.2300	annual days of extreme heat
Extreme Precipitation	8.35000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	22.7600	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	N/A	N/A	N/A	N/A
Extreme Precipitation	5	0	0	N/A

Sea Level Rise	N/A	N/A	N/A	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	0	0	0	N/A
Air Quality Degradation	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	5	1	1	4
Sea Level Rise	N/A	N/A	N/A	N/A
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	1	1	1	2
Air Quality Degradation	N/A	N/A	N/A	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 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	47.0193
AQ-PM	0.23647
AQ-DPM	6.13566
Drinking Water	40.9517
Lead Risk Housing	22.0542
Pesticides	39.2759
Toxic Releases	0.00000
Traffic	10.7375
Effect Indicators	—
CleanUp Sites	0.00000
Groundwater	0.00000
Haz Waste Facilities/Generators	50.1390
Impaired Water Bodies	72.1546
Solid Waste	63.6655
Sensitive Population	—
Asthma	52.6919
Cardio-vascular	27.0189
Low Birth Weights	97.1645
Socioeconomic Factor Indicators	—
Education	53.5814
Housing	6.09632
Linguistic	—

Poverty	55.2387
Unemployment	0.07808

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	43.24393687
Employed	66.08494803
Median HI	43.35942513
Education	—
Bachelor's or higher	59.05299628
High school enrollment	100
Preschool enrollment	49.67278327
Transportation	—
Auto Access	62.47914795
Active commuting	98.30617221
Social	—
2-parent households	62.38932375
Voting	92.62158347
Neighborhood	—
Alcohol availability	46.5161042
Park access	81.35506224
Retail density	26.96009239
Supermarket access	46.37495188
Tree canopy	96.49685615
Housing	—
Homeownership	36.39163352

Housing habitability	70.70447838
Low-inc homeowner severe housing cost burden	40.80585141
Low-inc renter severe housing cost burden	88.11754138
Uncrowded housing	59.34813294
Health Outcomes	—
Insured adults	6.454510458
Arthritis	0.0
Asthma ER Admissions	71.0
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	61.5
Cognitively Disabled	85.7
Physically Disabled	98.4
Heart Attack ER Admissions	53.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	83.5
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	2.1
SLR Inundation Area	0.0
Children	59.5
Elderly	84.2
English Speaking	59.0
Foreign-born	44.8
Outdoor Workers	70.4
Climate Change Adaptive Capacity	—
Impervious Surface Cover	83.8
Traffic Density	6.2
Traffic Access	0.0
Other Indices	—
Hardship	38.9
Other Decision Support	—
2016 Voting	74.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	25.0000
Healthy Places Index Score for Project Location (b)	78.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
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

8.1. Justifications

Screen	Justification
Characteristics: Utility Information	—
Land Use	—
Construction: Construction Phases	—
Construction: Off-Road Equipment	—
Construction: Trips and VMT	—
Operations: Hearths	—
Operations: Landscape Equipment	—

8.2. Project Characteristics

8.2.1. Project Details

Model Parameter	Default Value	New Value
Electric Utility	Southern California Edison	Pacific Gas & Electric Company

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	2.37500	0.80000
Building Area	sq. ft	40,280.0	84,946.0

Landscape Area	sq. ft	—	58,278.0
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8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Demolition	Demolition	Start Date	3/15/2026	4/1/2026
Demolition	Demolition	End Date	4/12/2026	5/20/2026
Demolition	Demolition	Days/Week	5.00000	6.00000
Demolition	Demolition	Work Days per Phase	20.0000	43.0000
Site Preparation	Site Preparation	Start Date	4/13/2026	3/15/2026
Site Preparation	Site Preparation	End Date	4/15/2026	4/9/2026
Site Preparation	Site Preparation	Days/Week	5.00000	6.00000
Site Preparation	Site Preparation	Work Days per Phase	2.00000	22.0000
Grading	Grading	Start Date	4/16/2026	4/15/2026
Grading	Grading	End Date	4/21/2026	6/3/2026
Grading	Grading	Days/Week	5.00000	6.00000
Grading	Grading	Work Days per Phase	4.00000	43.0000
Building Construction	Building Construction	Start Date	4/22/2026	6/1/2026
Building Construction	Building Construction	End Date	1/27/2027	7/26/2028
Building Construction	Building Construction	Days/Week	5.00000	6.00000
Building Construction	Building Construction	Work Days per Phase	200.000	675.000
Paving	Paving	Start Date	1/28/2027	6/16/2026
Paving	Paving	End Date	2/11/2027	7/10/2026
Paving	Paving	Days/Week	5.00000	6.00000
Paving	Paving	Work Days per Phase	10.00000	22.0000
Architectural Coating	Architectural Coating	Start Date	2/12/2027	6/1/2029
Architectural Coating	Architectural Coating	End Date	2/26/2027	6/30/2029

Architectural Coating	Architectural Coating	Days/Week	5.00000	6.00000
Architectural Coating	Architectural Coating	Work Days per Phase	10.00000	26.00000

8.4.6. Trips and VMT

Phase Name	Trip Type	Model Parameter	Default Value	New Value
Demolition	Hauling	Miles per Trip	20.0000	35.0000
Site Preparation	Hauling	Miles per Trip	20.0000	35.0000
Grading	Hauling	Miles per Trip	20.0000	35.0000

8.5. Operations

8.5.2. Area Sources

8.5.2.1. Hearths

Land Use	Model Parameter	Default Value	New Value
Apartments Low Rise	Wood Fireplaces	13	0
Apartments Low Rise	Gas Fireplaces	21	0
Apartments Low Rise	Propane Fireplaces	0	38
Apartments Low Rise	No Fireplaces	4	0
Apartments Low Rise	Catalytic Wood Stoves	2	0
Apartments Low Rise	Non-Catalytic Wood Stoves	2	0

8.5.2.4. Landscape Equipment

Model Parameter	Units	Default Value	New Value
Snow Days	day/yr	0.00000	100.0000