# Appendix A Air Quality, and Greenhouse Gas Analysis

# Appendix

*This page intentionally left blank.*

# Air Quality and Greenhouse Gas Appendix

# Assumptions Worksheet

# CalEEMod Inputs-Corona Park Revitalization Project, Construction

| | |
|---|---|
| **Name:** | Corona Park Revitalization Project, Construction |
| **Project Number:** | RIOS-01.0 |
| **Project Location:** | 930 East 6th Street, Corona, CA 92879 |
| **County:** | Riverside-South Coast |
| **Climate Zone:** | 10 |
| **Land Use Setting:** | Suburban |
| **Operational Year:** | 2028 |
| **Gas Utility Company:** | Southern California Gas |
| **Electric Utility Company:** | Southern California Edison |
| **Air Basin:** | South Coast Air Basin |
| **Air District:** | South Coast AQMD |
| **SRA:** | 22 - Corona/Norco Area |

| | |
|---|---|
| **Project Site Acreage** | 20.54 |
| **Disturbed Site Acreage** | 20.54 |

| Project Components | Building SQFT | Footprint SQFT | Acres | Number of stalls |
|---|---|---|---|---|
| ***Construction*** | | | | |
| Building 1 - Community Building | 57,000 | 57,000 | 1.31 | |
| Building 2 -Pool Equipment | 1,000 | 1,000 | 0.02 | |
| Building 3 - Restroom | 400 | 400 | 0.01 | |
| ***Surface Work*** | | | | |
| Swimming Pool | NA | 17,000 | 0.39 | |
| Surface Parking Lot | NA | 102,080 | 2.34 | 319 |
| Main Building | NA | 0 | 0.00 | 162 |
| North West Corner | NA | 0 | 0.00 | 46 |
| North Central Staff Parking | NA | 0 | 0.00 | 11 |
| Street Parking | NA | 0 | 0.00 | 100 |
| Landscaping | NA | 717,242 | 16.47 | |

Notes

[1] Surface Parking Lot land use accounts for footprint associated with the different parking lots.

| Land Use Type | Land Use Subtype | Unit Amount | Size Metric | Lot Acreage | Building Square Feet | Landscape Area Square Feet |
|---|---|---|---|---|---|---|
| Recreational | Racquet Club | 58.40 | 1000 sqft | 17.81 | 58,400 | 717,242 |
| Recreational | Recreational Swimming Pool | 17.00 | 1000 sqft | 0.39 | 17,000 | 0 |
| Parking | Parking lot | 102.08 | 1000 sqft | 2.34 | 0 | 0 |
| | | | | **20.54** | | |

Notes

[1] Racquet Club represents the community building, pool equipment building and public restroom.

**Architectural Coating**

| | Percent Painted |
|---|---|
| *Interior Painted:* | 75% |
| *Exterior Painted:* | 25% |

Notes

[1] Caleemod default used.

| **Rule 1113** | **Default** | |
|---|---|---|
| *Interior Non-Residential Paint* | | |
| *VOC content:* | 50 | grams per liter |
| *VOC content:* | 50 | grams per liter |
| *Parking Paint VOC contect:* | 100 | grams per liter |

| Structures | Land Use Square Feet | CalEEMod Factor[2] | Total Paintable Surface Area | Paintable Interior Area[1] | Paintable Exterior Area[1] |
|---|---|---|---|---|---|
| **Non-Residential Structures** | | | | | |
| Racquet Club | 58,400 | 2.0 | 116,800 | 87,600 | 29,200 |
| | | | | **87,600** | **29,200** |
| **Parking** | | | | | |
| Parking lot | 102,080 | 6% | 6,125 | - | 6,125 |
| | | | **6,125** | **-** | **6,125** |

Notes

[1] CalEEMod methodology calculates the paintable interior and exterior areas by multiplying the total paintable surface area by 75 and 25 percent, respectively.

[2] The program assumes the total surface for painting equals 2.0 times the floor square footage for non-residential square footage defined by the user.

[3] Assumes that all non-parking asphalt surfaces and parking will be striped. CalEEMod methodology assumes 6% of surface area is striped.

**Construction Mitigation**

| | | | |
|---|---|---|---|
| Water Exposed Area | Frequency: | 3 | per day |
| | PM10: | 74 | % Reduction |
| | PM25: | 74 | % Reduction |
| Unpaved Roads | Vehicle Speed: | 25 | mph |
| Apply dust suppresants to unpaved roads | PM10: | 84 | % Reduction |
| | PM25: | 84 | % Reduction |
| *SCAQMD Rule 1186* | | | |
| | Clean Paved Road | 9 | % PM Reduction |
| MM AQ-1 | Equipment Tier | Tier 4 Interim | |

## Construction Activities and Schedule Assumptions

*construction schedule normalized based on overall timeline provided by Applicant

| Default CalEEMod Construction Schedule | | | | |
|---|---|---|---|---|
| **Construction Activities** | **Phase Type** | **Start Date** | **End Date** | **CalEEMod Duration (Workday)** |
| Demolition | Demolition | 1/1/2025 | 1/29/2025 | 21 |
| Site Preparation | Site Preparation | 1/30/2025 | 2/13/2025 | 11 |
| Grading | Grading | 2/14/2025 | 4/4/2025 | 36 |
| Building Construction | Building Construction | 4/5/2025 | 9/5/2026 | 370 |
| Paving | Paving | 8/9/2026 | 9/5/2026 | 20 |
| Architectural Coating | Architectural Coating | 8/9/2026 | 9/5/2026 | 20 |

Notes

[1] Assume building construction, paving, and architectural coating overlap.

| Normalization Calculations | | | | |
|---|---|---|---|---|
| **CalEEMod Defaults Construction Duration** | | | **Assumed Construction Duration** | |
| 612 | days | | 1/1/2025 | 12/31/2028 |
| 1.68 | years | | 1460 | days |
| 20.12 | months | | 48.00 | months |
| | | Norm Factor: | 2.39 | |

| New CalEEMod Construction Schedule | | | |
|---|---|---|---|
| **Construction Activities** | **Start Date** | **End Date** | **CalEEMod Duration (Workday)** |
| Site Preparation | 1/1/2025 | 4/16/2025 | 76 |
| Grading | 4/17/2025 | 8/14/2025 | 86 |
| Building Construction | 8/15/2025 | 12/31/2028 | 881 |
| Paving | 10/25/2028 | 12/31/2028 | 48 |
| Architectural Coating | 10/25/2028 | 12/31/2028 | 48 |

| Overlapping Construction Schedule | | | |
|---|---|---|---|
| **Construction Activities** | **Start Date** | **End Date** | **CalEEMod Duration (Workday)** |
| Site Preparation | 1/1/2025 | 4/16/2025 | 76 |
| Grading | 4/17/2025 | 8/14/2025 | 86 |
| Building Construction | 8/15/2025 | 10/24/2028 | 833 |
| Building Construction, Paving, and Architectural Coating | 10/25/2028 | 12/31/2028 | 48 |

## CalEEMod Construction Off-Road Equipment Inputs

Based on information from Applicant. Where information has not been provided by the Applicant, CalEEMod default equipment, worker, and vendor trips have been used.

| Construction Equipment Details | | | | |
|---|---|---|---|---|
| **Equipment** | **# of Equipment** | **hr/day** | **total trips per day** | **On-Site Water Truck Travel Distance (miles/day)** |
| **Site Preparation** | | | | |
| Rubber Tired Dozers | 3 | 8 | | |
| Tractors/Loaders/Backhoes | 4 | 8 | | |
| Worker Trips | | | 18 | |
| Vendor Trips | | | 1 | |
| Hauling Trips | | | 0 | |
| Water Trucks (added to Vendor Trips) | Acres Disturbed: | 4 | 18 | 1.44 |
| **Grading** | | | | |
| Excavators | 2 | 8 | | |
| Graders | 1 | 8 | | |
| Rubber Tired Dozers | 1 | 8 | | |
| Scrapers | 2 | 8 | | |
| Tractors/Loaders/Backhoes | 2 | 8 | | |
| Worker Trips | | | 20 | |
| Vendor Trips | | | 3 | |
| Hauling Trips | | | 0 | |
| Water Trucks (added to Vendor Trips) | Acres Disturbed: | 4 | 20 | 1.65 |
| **Building Construction** | | | | |
| Cranes | 1 | 7 | | |
| Forklifts | 3 | 8 | | |
| Generator Sets | 1 | 8 | | |
| Tractors/Loaders/Backhoes | 3 | 7 | | |
| Welders | 1 | 8 | | |
| Worker Trips | | | 32 | |
| Vendor Trips | | | 12 | |
| Hauling Trips | | | 0 | |
| **Paving** | | | | |
| Pavers | 2 | 8 | | |
| Paving Equipment | 2 | 8 | | |
| Rollers | 2 | 8 | | |
| Worker Trips | | | 15 | |
| Vendor Trips | | | 2 | |
| Hauling Trips | | | 0 | |
| **Architectural Coating** | | | | |
| Air Compressors | 1 | 6 | | |
| Worker Trips | | | 6 | |
| Vendor Trips | | | 0 | |
| Hauling Trips | | | 0 | |

## Vendor Trip from Water Truck Calculation

| Amount of Water (gal/ acre/ day)[1] | Water Truck Capacity (gallons)[2] |
|---|---|
| 10,000 | 4,000 |

Notes:

[1] Based on data provided in Guidance for Application for Dust Control Permit

Maricopa County Air Quality Department. 2005, June. Guidance for Application of Dust Control Permit. https://www.epa.gov/sites/default/files/2019-04/documents/mr_guidanceforapplicationfordustcontrolpermit.pdf)

[2] Based on standard water truck capacity:

McLellan Industries. 2024, January (access). Water Trucks. https://www.mclellanindustries.com/trucks/water-trucks/

[3] Assumes that dozers, tractors/loaders/backhoes, and graders can disturb 0.50 acres per day and scrapers can disturb 1 acre per day.

## Construction Trips

| Phase Name | Worker Trip Ends Per Day | Vendor Trip Ends Per Day | Haul Truck Trip Ends Per Day | Start Date | End Date | Workdays |
|---|---|---|---|---|---|---|
| Site Preparation | 18 | 19 | 0 | 1/1/2025 | 4/16/2025 | 76 |
| Grading | 20 | 23 | 0 | 4/17/2025 | 8/14/2025 | 86 |
| Building Construction | 32 | 12 | 0 | 8/15/2025 | 12/31/2028 | 881 |
| Paving | 15 | 2 | 0 | 10/25/2028 | 12/31/2028 | 48 |
| Architectural Coating | 6 | 0 | 0 | 10/25/2028 | 12/31/2028 | 48 |

| Construction Activity (Overlapping) | Worker Trip Ends Per Day | Vendor Trip Ends Per Day | Haul Truck Trip Ends Per Day | Start Date | End Date | Workdays |
|---|---|---|---|---|---|---|
| Site Preparation | 18 | 19 | 0 | 1/1/2025 | 4/16/2025 | 76 |
| Grading | 20 | 23 | 0 | 4/17/2025 | 8/14/2025 | 86 |
| Building Construction | 32 | 12 | 0 | 8/15/2025 | 10/24/2028 | 833 |
| Building Construction, Paving, and Architectural Coating | 53 | 14 | 0 | 10/25/2028 | 12/31/2028 | 48 |
| | **53** | **23** | **0** | | | |

# CalEEMod Inputs-20-Acre Park Project, Operation

| | |
|---|---|
| **Name:** | 20-Acre Park Project, Operation |
| **Project Number:** | RIOS-01.0 |
| **Project Location:** | 930 East 6th Street, Corona, CA 92879 |
| **County/Air Basin:** | Riverside-South Coast |
| **Climate Zone:** | 10 |
| **Land Use Setting:** | Suburban |
| **Operational Year:** | 2028 |
| **Utility Company:** | Southern California Gas |
| **Air Basin:** | South Coast Air Basin |
| **Air District:** | South Coast AQMD |
| **SRA:** | 22 - Corona/Norco Area |

| | |
|---|---|
| **Project Site Acreage** | 20.54 |
| **Disturbed Site Acreage** | 20.54 |

## CalEEMod Land Use Inputs

| | Land Use Subtype | Unit Amount | Size Metric | Lot Acreage | Land Use Square Feet | Land Use Square Feet |
|---|---|---|---|---|---|---|
| Recreational | Racquet Club | 58.40 | 1000 sqft | 17.81 | 58,400 | 717,242 |
| Recreational | Recreational Swimming Pool | 17.00 | 1000 sqft | 0.39 | 17,000 | 0 |
| Parking | Parking lot | 102.08 | 1000 sqft | 2.34 | 0 | 0 |
| | | | | **20.54** | | |

Notes

[1] Racquet Club represents the community building, pool equipment building and public restroom.

**Electricity (Buildings)**

**Default CalEEMod Energy Use**

| Land Use Subtype | Total Annual Electricity Consumption (kWh/year) | Total Annual Natural Gas Consumption (kBTU/year) | Title-24 Electricity Energy Intensity (kWhr/size/year)* | Title-24 Natural Gas Energy Intensity (KBTU/size/year)* | Nontitle-24 Electricity Energy Intensity (kWhr/size/year) | Nontitle-24 Natural Gas Energy Intensity (KBTU/size/year) |
|---|---|---|---|---|---|---|
| **Racquet Club** | 558,833.75 | 2,508,299.05 | **479,475.32** | **972,953.78** | 79,358.43 | 1,535,345.27 |
| **Parking Lot** | 89,422.08 | 0.00 | **89,422.08** | **0.00** | 0.00 | 0.00 |

# CalEEMod Construction Model

# Corona Park Revitalization Custom Report

## Table of Contents

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | Corona Park Revitalization |
| Construction Start Date | 1/1/2025 |
| Operational Year | 2028 |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.20 |
| Precipitation (days) | 19.2 |
| Location | City Park, 930 E 6th St, Corona, CA 92879, USA |
| County | Riverside-South Coast |
| City | Corona |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5464 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.25 |

## 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 |
|---|---|---|---|---|---|---|---|---|

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Racquet Club | 58.4 | 1000sqft | 17.8 | 58,400 | 717,242 | — | — | — |
| Recreational Swimming Pool | 17.0 | 1000sqft | 0.39 | 17,000 | 0.00 | — | — | — |
| Parking Lot | 102 | 1000sqft | 2.34 | 0.00 | 0.00 | — | — | — |

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

No measures selected

# 2. Emissions Summary

### 2.1. Construction Emissions Compared Against Thresholds

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

| Un/Mit. | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 1.13 | 1.06 | 19.8 | 37.2 | 0.07 | 0.18 | 5.69 | 5.80 | 0.18 | 2.74 | 2.85 | — | 7,592 | 7,592 | 0.30 | 0.17 | 3.04 | 7,653 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 7.76 | 7.63 | 17.3 | 29.5 | 0.05 | 0.20 | 5.69 | 5.80 | 0.19 | 2.74 | 2.85 | — | 6,110 | 6,110 | 0.24 | 0.14 | 0.08 | 6,158 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 1.44 | 1.38 | 10.6 | 19.5 | 0.03 | 0.10 | 2.04 | 2.14 | 0.09 | 0.86 | 0.96 | — | 3,925 | 3,925 | 0.15 | 0.09 | 0.86 | 3,958 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 0.26 | 0.25 | 1.93 | 3.56 | 0.01 | 0.02 | 0.37 | 0.39 | 0.02 | 0.16 | 0.17 | — | 650 | 650 | 0.03 | 0.02 | 0.14 | 655 |

### 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 | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2025 | 1.13 | 1.06 | 19.8 | 37.2 | 0.07 | 0.18 | 5.69 | 5.80 | 0.18 | 2.74 | 2.85 | — | 7,592 | 7,592 | 0.30 | 0.17 | 3.04 | 7,653 |
| 2026 | 0.77 | 0.69 | 9.69 | 17.4 | 0.03 | 0.11 | 0.52 | 0.63 | 0.11 | 0.13 | 0.23 | — | 3,206 | 3,206 | 0.12 | 0.09 | 2.50 | 3,239 |
| 2027 | 0.75 | 0.67 | 9.62 | 17.2 | 0.03 | 0.11 | 0.52 | 0.62 | 0.10 | 0.13 | 0.23 | — | 3,191 | 3,191 | 0.11 | 0.09 | 2.26 | 3,223 |
| 2028 | 0.74 | 0.66 | 9.56 | 17.0 | 0.03 | 0.10 | 0.52 | 0.62 | 0.09 | 0.13 | 0.22 | — | 3,175 | 3,175 | 0.11 | 0.09 | 2.04 | 3,206 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2025 | 0.79 | 0.73 | 15.5 | 29.5 | 0.05 | 0.12 | 5.69 | 5.80 | 0.11 | 2.74 | 2.85 | — | 6,110 | 6,110 | 0.24 | 0.14 | 0.07 | 6,158 |
| 2026 | 0.77 | 0.69 | 9.72 | 16.8 | 0.03 | 0.11 | 0.52 | 0.63 | 0.11 | 0.13 | 0.23 | — | 3,171 | 3,171 | 0.11 | 0.09 | 0.06 | 3,202 |
| 2027 | 0.75 | 0.67 | 9.65 | 16.7 | 0.03 | 0.11 | 0.52 | 0.62 | 0.10 | 0.13 | 0.23 | — | 3,157 | 3,157 | 0.11 | 0.09 | 0.06 | 3,186 |
| 2028 | 7.76 | 7.63 | 17.3 | 29.3 | 0.04 | 0.20 | 0.82 | 1.02 | 0.19 | 0.20 | 0.39 | — | 5,105 | 5,105 | 0.18 | 0.12 | 0.08 | 5,145 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2025 | 0.63 | 0.59 | 10.6 | 19.5 | 0.03 | 0.10 | 2.04 | 2.14 | 0.09 | 0.86 | 0.96 | — | 3,925 | 3,925 | 0.15 | 0.09 | 0.86 | 3,958 |
| 2026 | 0.55 | 0.49 | 6.96 | 12.1 | 0.02 | 0.08 | 0.37 | 0.45 | 0.08 | 0.09 | 0.17 | — | 2,269 | 2,269 | 0.08 | 0.07 | 0.77 | 2,291 |
| 2027 | 0.53 | 0.48 | 6.90 | 12.0 | 0.02 | 0.08 | 0.37 | 0.44 | 0.07 | 0.09 | 0.16 | — | 2,258 | 2,258 | 0.08 | 0.06 | 0.70 | 2,280 |
| 2028 | 1.44 | 1.38 | 7.88 | 13.6 | 0.02 | 0.08 | 0.41 | 0.49 | 0.08 | 0.10 | 0.18 | — | 2,512 | 2,512 | 0.09 | 0.07 | 0.68 | 2,535 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2025 | 0.12 | 0.11 | 1.93 | 3.56 | 0.01 | 0.02 | 0.37 | 0.39 | 0.02 | 0.16 | 0.17 | — | 650 | 650 | 0.03 | 0.02 | 0.14 | 655 |
| 2026 | 0.10 | 0.09 | 1.27 | 2.20 | < 0.005 | 0.01 | 0.07 | 0.08 | 0.01 | 0.02 | 0.03 | — | 376 | 376 | 0.01 | 0.01 | 0.13 | 379 |
| 2027 | 0.10 | 0.09 | 1.26 | 2.18 | < 0.005 | 0.01 | 0.07 | 0.08 | 0.01 | 0.02 | 0.03 | — | 374 | 374 | 0.01 | 0.01 | 0.12 | 377 |
| 2028 | 0.26 | 0.25 | 1.44 | 2.48 | < 0.005 | 0.02 | 0.07 | 0.09 | 0.01 | 0.02 | 0.03 | — | 416 | 416 | 0.01 | 0.01 | 0.11 | 420 |

# 3. Construction Emissions Details

## 3.1. Site Preparation (2025) - Unmitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.64 | 0.64 | 14.7 | 28.3 | 0.05 | 0.10 | — | 0.10 | 0.10 | — | 0.10 | — | 5,295 | 5,295 | 0.21 | 0.04 | — | 5,314 |
| Dust From Material Movement | — | — | — | — | — | — | 5.11 | 5.11 | — | 2.63 | 2.63 | — | — | — | — | — | — | — |
| Onsite truck | < 0.005 | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | 0.19 | 0.19 | < 0.005 | 0.02 | 0.02 | — | 6.43 | 6.43 | < 0.005 | < 0.005 | 0.01 | 6.76 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.64 | 0.64 | 14.7 | 28.3 | 0.05 | 0.10 | — | 0.10 | 0.10 | — | 0.10 | — | 5,295 | 5,295 | 0.21 | 0.04 | — | 5,314 |
| Dust From Material Movement | — | — | — | — | — | — | 5.11 | 5.11 | — | 2.63 | 2.63 | — | — | — | — | — | — | — |
| Onsite truck | < 0.005 | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | 0.19 | 0.19 | < 0.005 | 0.02 | 0.02 | — | 6.46 | 6.46 | < 0.005 | < 0.005 | < 0.005 | 6.78 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.13 | 0.13 | 3.07 | 5.89 | 0.01 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 1,103 | 1,103 | 0.04 | 0.01 | — | 1,106 |
| Dust From Material Movement | — | — | — | — | — | — | 1.06 | 1.06 | — | 0.55 | 0.55 | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | < 0.005 | < 0.005 | — | 1.34 | 1.34 | < 0.005 | < 0.005 | < 0.005 | 1.41 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.02 | 0.56 | 1.08 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 183 | 183 | 0.01 | < 0.005 | — | 183 |
| Dust From Material Movement | — | — | — | — | — | — | 0.19 | 0.19 | — | 0.10 | 0.10 | — | — | — | — | — | — | — |
| Onsite truck | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 0.22 | 0.22 | < 0.005 | < 0.005 | < 0.005 | 0.23 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.09 | 0.08 | 0.08 | 1.35 | 0.00 | 0.00 | 0.23 | 0.23 | 0.00 | 0.05 | 0.05 | — | 247 | 247 | 0.01 | 0.01 | 0.91 | 250 |
| Vendor | 0.03 | 0.01 | 0.64 | 0.20 | < 0.005 | 0.01 | 0.16 | 0.17 | 0.01 | 0.04 | 0.05 | — | 581 | 581 | 0.01 | 0.09 | 1.65 | 610 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.07 | 0.08 | 1.02 | 0.00 | 0.00 | 0.23 | 0.23 | 0.00 | 0.05 | 0.05 | — | 227 | 227 | 0.01 | 0.01 | 0.02 | 230 |
| Vendor | 0.03 | 0.01 | 0.67 | 0.20 | < 0.005 | 0.01 | 0.16 | 0.17 | 0.01 | 0.04 | 0.05 | — | 582 | 582 | 0.01 | 0.09 | 0.04 | 608 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.02 | 0.02 | 0.22 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01 | 0.01 | — | 47.8 | 47.8 | < 0.005 | < 0.005 | 0.08 | 48.5 |
| Vendor | 0.01 | < 0.005 | 0.14 | 0.04 | < 0.005 | < 0.005 | 0.03 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 121 | 121 | < 0.005 | 0.02 | 0.15 | 127 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 7.92 | 7.92 | < 0.005 | < 0.005 | 0.01 | 8.03 |
| Vendor | < 0.005 | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 20.0 | 20.0 | < 0.005 | < 0.005 | 0.02 | 21.0 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.3. Grading (2025) - Unmitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.99 | 0.95 | 18.9 | 35.4 | 0.06 | 0.17 | — | 0.17 | 0.17 | — | 0.17 | — | 6,599 | 6,599 | 0.27 | 0.05 | — | 6,622 |
| Dust From Material Movement | — | — | — | — | — | — | 2.39 | 2.39 | — | 0.95 | 0.95 | — | — | — | — | — | — | — |
| Onsite truck | < 0.005 | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | 0.22 | 0.22 | < 0.005 | 0.02 | 0.02 | — | 7.14 | 7.14 | < 0.005 | < 0.005 | 0.01 | 7.50 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.23 | 0.22 | 4.45 | 8.34 | 0.01 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 1,555 | 1,555 | 0.06 | 0.01 | — | 1,560 |
| Dust From Material Movement | — | — | — | — | — | — | 0.56 | 0.56 | — | 0.22 | 0.22 | — | — | — | — | — | — | — |
| Onsite truck | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.05 | 0.05 | < 0.005 | < 0.005 | < 0.005 | — | 1.68 | 1.68 | < 0.005 | < 0.005 | < 0.005 | 1.77 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.04 | 0.04 | 0.81 | 1.52 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 257 | 257 | 0.01 | < 0.005 | — | 258 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dust From Material Movement | — | — | — | — | — | — | 0.10 | 0.10 | — | 0.04 | 0.04 | — | — | — | — | — | — | — |
| Onsite truck | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 0.28 | 0.28 | < 0.005 | < 0.005 | < 0.005 | 0.29 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.11 | 0.09 | 0.09 | 1.54 | 0.00 | 0.00 | 0.26 | 0.26 | 0.00 | 0.06 | 0.06 | — | 282 | 282 | 0.01 | 0.01 | 1.04 | 286 |
| Vendor | 0.03 | 0.02 | 0.77 | 0.24 | 0.01 | 0.01 | 0.20 | 0.21 | 0.01 | 0.05 | 0.06 | — | 704 | 704 | 0.02 | 0.11 | 2.00 | 738 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.02 | 0.02 | 0.29 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 61.8 | 61.8 | < 0.005 | < 0.005 | 0.11 | 62.7 |
| Vendor | 0.01 | < 0.005 | 0.19 | 0.06 | < 0.005 | < 0.005 | 0.05 | 0.05 | < 0.005 | 0.01 | 0.02 | — | 166 | 166 | < 0.005 | 0.03 | 0.20 | 174 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 10.2 | 10.2 | < 0.005 | < 0.005 | 0.02 | 10.4 |
| Vendor | < 0.005 | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 27.5 | 27.5 | < 0.005 | < 0.005 | 0.03 | 28.8 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.5. Building Construction (2025) - Unmitigated

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

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

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.62 | 0.56 | 9.21 | 15.0 | 0.02 | 0.11 | — | 0.11 | 0.11 | — | 0.11 | — | 2,398 | 2,398 | 0.10 | 0.02 | — | 2,406 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.62 | 0.56 | 9.21 | 15.0 | 0.02 | 0.11 | — | 0.11 | 0.11 | — | 0.11 | — | 2,398 | 2,398 | 0.10 | 0.02 | — | 2,406 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.17 | 0.15 | 2.51 | 4.08 | 0.01 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 652 | 652 | 0.03 | 0.01 | — | 654 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.03 | 0.03 | 0.46 | 0.74 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 108 | 108 | < 0.005 | < 0.005 | — | 108 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.17 | 0.14 | 0.14 | 2.45 | 0.00 | 0.00 | 0.41 | 0.41 | 0.00 | 0.10 | 0.10 | — | 446 | 446 | 0.02 | 0.02 | 1.64 | 453 |
| Vendor | 0.02 | 0.01 | 0.41 | 0.13 | < 0.005 | 0.01 | 0.11 | 0.11 | 0.01 | 0.03 | 0.03 | — | 378 | 378 | 0.01 | 0.06 | 1.07 | 396 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.15 | 0.13 | 0.15 | 1.85 | 0.00 | 0.00 | 0.41 | 0.41 | 0.00 | 0.10 | 0.10 | — | 410 | 410 | 0.02 | 0.02 | 0.04 | 416 |
| Vendor | 0.02 | 0.01 | 0.43 | 0.13 | < 0.005 | 0.01 | 0.11 | 0.11 | 0.01 | 0.03 | 0.03 | — | 378 | 378 | 0.01 | 0.06 | 0.03 | 396 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.04 | 0.04 | 0.05 | 0.53 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03 | 0.03 | — | 113 | 113 | 0.01 | < 0.005 | 0.19 | 115 |
| Vendor | < 0.005 | < 0.005 | 0.12 | 0.04 | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 103 | 103 | < 0.005 | 0.02 | 0.13 | 108 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.01 | 0.10 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 18.7 | 18.7 | < 0.005 | < 0.005 | 0.03 | 19.0 |
| Vendor | < 0.005 | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 17.0 | 17.0 | < 0.005 | < 0.005 | 0.02 | 17.8 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.7. Building Construction (2026) - Unmitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.61 | 0.55 | 9.17 | 15.0 | 0.02 | 0.11 | — | 0.11 | 0.10 | — | 0.10 | — | 2,397 | 2,397 | 0.10 | 0.02 | — | 2,405 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.61 | 0.55 | 9.17 | 15.0 | 0.02 | 0.11 | — | 0.11 | 0.10 | — | 0.10 | — | 2,397 | 2,397 | 0.10 | 0.02 | — | 2,405 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.43 | 0.39 | 6.55 | 10.7 | 0.02 | 0.08 | — | 0.08 | 0.07 | — | 0.07 | — | 1,712 | 1,712 | 0.07 | 0.01 | — | 1,718 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.08 | 0.07 | 1.20 | 1.95 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 283 | 283 | 0.01 | < 0.005 | — | 284 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.15 | 0.13 | 0.12 | 2.27 | 0.00 | 0.00 | 0.41 | 0.41 | 0.00 | 0.10 | 0.10 | — | 437 | 437 | 0.02 | 0.02 | 1.48 | 443 |
| Vendor | 0.02 | 0.01 | 0.40 | 0.12 | < 0.005 | 0.01 | 0.11 | 0.11 | 0.01 | 0.03 | 0.03 | — | 372 | 372 | 0.01 | 0.06 | 1.02 | 390 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.14 | 0.13 | 0.14 | 1.72 | 0.00 | 0.00 | 0.41 | 0.41 | 0.00 | 0.10 | 0.10 | — | 402 | 402 | 0.01 | 0.02 | 0.04 | 406 |
| Vendor | 0.02 | 0.01 | 0.41 | 0.13 | < 0.005 | 0.01 | 0.11 | 0.11 | 0.01 | 0.03 | 0.03 | — | 372 | 372 | 0.01 | 0.06 | 0.03 | 390 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.10 | 0.09 | 0.11 | 1.29 | 0.00 | 0.00 | 0.29 | 0.29 | 0.00 | 0.07 | 0.07 | — | 290 | 290 | < 0.005 | 0.01 | 0.46 | 294 |
| Vendor | 0.01 | 0.01 | 0.30 | 0.09 | < 0.005 | < 0.005 | 0.07 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 266 | 266 | 0.01 | 0.04 | 0.31 | 278 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.02 | 0.02 | 0.24 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01 | 0.01 | — | 48.1 | 48.1 | < 0.005 | < 0.005 | 0.08 | 48.7 |
| Vendor | < 0.005 | < 0.005 | 0.05 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 44.0 | 44.0 | < 0.005 | 0.01 | 0.05 | 46.1 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.9. Building Construction (2027) - Unmitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.59 | 0.54 | 9.13 | 15.0 | 0.02 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | — | 2,397 | 2,397 | 0.10 | 0.02 | — | 2,405 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.59 | 0.54 | 9.13 | 15.0 | 0.02 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | — | 2,397 | 2,397 | 0.10 | 0.02 | — | 2,405 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.42 | 0.39 | 6.52 | 10.7 | 0.02 | 0.07 | — | 0.07 | 0.07 | — | 0.07 | — | 1,712 | 1,712 | 0.07 | 0.01 | — | 1,718 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.08 | 0.07 | 1.19 | 1.95 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 283 | 283 | 0.01 | < 0.005 | — | 284 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.14 | 0.13 | 0.11 | 2.10 | 0.00 | 0.00 | 0.41 | 0.41 | 0.00 | 0.10 | 0.10 | — | 429 | 429 | < 0.005 | 0.02 | 1.33 | 435 |
| Vendor | 0.02 | 0.01 | 0.38 | 0.12 | < 0.005 | 0.01 | 0.11 | 0.11 | 0.01 | 0.03 | 0.03 | — | 365 | 365 | 0.01 | 0.05 | 0.93 | 383 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.14 | 0.12 | 0.12 | 1.59 | 0.00 | 0.00 | 0.41 | 0.41 | 0.00 | 0.10 | 0.10 | — | 394 | 394 | 0.01 | 0.02 | 0.03 | 399 |
| Vendor | 0.02 | 0.01 | 0.40 | 0.12 | < 0.005 | 0.01 | 0.11 | 0.11 | 0.01 | 0.03 | 0.03 | — | 365 | 365 | 0.01 | 0.05 | 0.02 | 382 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.10 | 0.09 | 0.10 | 1.19 | 0.00 | 0.00 | 0.29 | 0.29 | 0.00 | 0.07 | 0.07 | — | 285 | 285 | < 0.005 | 0.01 | 0.41 | 289 |
| Vendor | 0.01 | 0.01 | 0.28 | 0.09 | < 0.005 | < 0.005 | 0.07 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 261 | 261 | 0.01 | 0.04 | 0.29 | 273 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.02 | 0.02 | 0.22 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01 | 0.01 | — | 47.2 | 47.2 | < 0.005 | < 0.005 | 0.07 | 47.8 |
| Vendor | < 0.005 | < 0.005 | 0.05 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 43.2 | 43.2 | < 0.005 | 0.01 | 0.05 | 45.2 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.11. 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 | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.58 | 0.53 | 9.09 | 14.9 | 0.02 | 0.09 | — | 0.09 | 0.09 | — | 0.09 | — | 2,397 | 2,397 | 0.10 | 0.02 | — | 2,406 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.58 | 0.53 | 9.09 | 14.9 | 0.02 | 0.09 | — | 0.09 | 0.09 | — | 0.09 | — | 2,397 | 2,397 | 0.10 | 0.02 | — | 2,406 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.42 | 0.38 | 6.51 | 10.7 | 0.02 | 0.07 | — | 0.07 | 0.06 | — | 0.06 | — | 1,717 | 1,717 | 0.07 | 0.01 | — | 1,723 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.08 | 0.07 | 1.19 | 1.95 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 284 | 284 | 0.01 | < 0.005 | — | 285 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.14 | 0.12 | 0.11 | 1.96 | 0.00 | 0.00 | 0.41 | 0.41 | 0.00 | 0.10 | 0.10 | — | 421 | 421 | < 0.005 | 0.02 | 1.19 | 426 |
| Vendor | 0.02 | 0.01 | 0.36 | 0.12 | < 0.005 | 0.01 | 0.11 | 0.11 | 0.01 | 0.03 | 0.03 | — | 357 | 357 | 0.01 | 0.05 | 0.85 | 374 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.12 | 0.12 | 0.12 | 1.48 | 0.00 | 0.00 | 0.41 | 0.41 | 0.00 | 0.10 | 0.10 | — | 387 | 387 | 0.01 | 0.02 | 0.03 | 392 |
| Vendor | 0.02 | 0.01 | 0.38 | 0.12 | < 0.005 | 0.01 | 0.11 | 0.11 | 0.01 | 0.03 | 0.03 | — | 357 | 357 | 0.01 | 0.05 | 0.02 | 374 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.08 | 0.09 | 1.12 | 0.00 | 0.00 | 0.29 | 0.29 | 0.00 | 0.07 | 0.07 | — | 281 | 281 | < 0.005 | 0.01 | 0.37 | 284 |
| Vendor | 0.01 | 0.01 | 0.27 | 0.09 | < 0.005 | < 0.005 | 0.07 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 256 | 256 | < 0.005 | 0.04 | 0.26 | 268 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.02 | 0.02 | 0.20 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01 | 0.01 | — | 46.5 | 46.5 | < 0.005 | < 0.005 | 0.06 | 47.1 |
| Vendor | < 0.005 | < 0.005 | 0.05 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 42.3 | 42.3 | < 0.005 | 0.01 | 0.04 | 44.3 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.13. Paving (2028) - Unmitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.47 | 0.43 | 6.70 | 10.6 | 0.01 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 0.13 | 0.13 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.06 | 0.06 | 0.88 | 1.39 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 199 | 199 | 0.01 | < 0.005 | — | 199 |
| Paving | 0.02 | 0.02 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.01 | 0.16 | 0.25 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 32.9 | 32.9 | < 0.005 | < 0.005 | — | 33.0 |
| Paving | < 0.005 | < 0.005 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.05 | 0.06 | 0.70 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 183 | 183 | < 0.005 | 0.01 | 0.01 | 185 |
| Vendor | < 0.005 | < 0.005 | 0.06 | 0.02 | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | 0.01 | — | 57.8 | 57.8 | < 0.005 | 0.01 | < 0.005 | 60.5 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.01 | 0.10 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 24.4 | 24.4 | < 0.005 | < 0.005 | 0.03 | 24.7 |
| Vendor | < 0.005 | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 7.60 | 7.60 | < 0.005 | < 0.005 | 0.01 | 7.96 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 4.04 | 4.04 | < 0.005 | < 0.005 | 0.01 | 4.09 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 1.26 | 1.26 | < 0.005 | < 0.005 | < 0.005 | 1.32 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.15. Architectural Coating (2028) - Unmitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.13 | 0.11 | 0.81 | 1.12 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 134 | 134 | 0.01 | < 0.005 | — | 134 |
| Architectural Coatings | 6.23 | 6.23 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.01 | 0.11 | 0.15 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 17.6 | 17.6 | < 0.005 | < 0.005 | — | 17.6 |
| Architectural Coatings | 0.82 | 0.82 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 2.91 | 2.91 | < 0.005 | < 0.005 | — | 2.92 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Architect Coatings | 0.15 | 0.15 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.02 | 0.02 | 0.30 | 0.00 | 0.00 | 0.08 | 0.08 | 0.00 | 0.02 | 0.02 | — | 77.4 | 77.4 | < 0.005 | < 0.005 | 0.01 | 78.3 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 10.3 | 10.3 | < 0.005 | < 0.005 | 0.01 | 10.4 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.71 | 1.71 | < 0.005 | < 0.005 | < 0.005 | 1.73 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

# 5. Activity Data

## 5.1. Construction Schedule

| Phase Name | Phase Type | Start Date | End Date | Days Per Week | Work Days per Phase | Phase Description |
|---|---|---|---|---|---|---|
| Site Preparation | Site Preparation | 1/1/2025 | 4/16/2025 | 5.00 | 76.0 | — |

| | | | | | | |
|---|---|---|---|---|---|---|
| Grading | Grading | 4/17/2025 | 8/14/2025 | 5.00 | 86.0 | — |
| Building Construction | Building Construction | 8/15/2025 | 12/31/2028 | 5.00 | 881 | — |
| Paving | Paving | 10/25/2028 | 12/31/2028 | 5.00 | 48.0 | — |
| Architectural Coating | Architectural Coating | 10/25/2028 | 12/31/2028 | 5.00 | 48.0 | — |

## 5.2. Off-Road Equipment

### 5.2.1. Unmitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|---|
| Site Preparation | Rubber Tired Dozers | Diesel | Tier 4 Interim | 3.00 | 8.00 | 367 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | Diesel | Tier 4 Interim | 4.00 | 8.00 | 84.0 | 0.37 |
| Grading | Excavators | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| Grading | Graders | Diesel | Tier 4 Interim | 1.00 | 8.00 | 148 | 0.41 |
| Grading | Rubber Tired Dozers | Diesel | Tier 4 Interim | 1.00 | 8.00 | 367 | 0.40 |
| Grading | Scrapers | Diesel | Tier 4 Interim | 2.00 | 8.00 | 423 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | Diesel | Tier 4 Interim | 2.00 | 8.00 | 84.0 | 0.37 |
| Building Construction | Cranes | Diesel | Tier 4 Interim | 1.00 | 7.00 | 367 | 0.29 |
| Building Construction | Forklifts | Diesel | Tier 4 Interim | 3.00 | 8.00 | 82.0 | 0.20 |
| Building Construction | Generator Sets | Diesel | Average | 1.00 | 8.00 | 14.0 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | Diesel | Tier 4 Interim | 3.00 | 7.00 | 84.0 | 0.37 |
| Building Construction | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Paving | Pavers | Diesel | Tier 4 Interim | 2.00 | 8.00 | 81.0 | 0.42 |
| Paving | Paving Equipment | Diesel | Tier 4 Interim | 2.00 | 8.00 | 89.0 | 0.36 |
| Paving | Rollers | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| Architectural Coating | Air Compressors | Diesel | Average | 1.00 | 6.00 | 37.0 | 0.48 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Site Preparation | — | — | — | — |
| Site Preparation | Worker | 17.5 | 18.5 | LDA,LDT1,LDT2 |
| Site Preparation | Vendor | 19.0 | 10.2 | HHDT,MHDT |
| Site Preparation | Hauling | 0.00 | 20.0 | HHDT |
| Site Preparation | Onsite truck | 1.00 | 1.44 | HHDT |
| Grading | — | — | — | — |
| Grading | Worker | 20.0 | 18.5 | LDA,LDT1,LDT2 |
| Grading | Vendor | 23.0 | 10.2 | HHDT,MHDT |
| Grading | Hauling | 0.00 | 20.0 | HHDT |
| Grading | Onsite truck | 1.00 | 1.65 | HHDT |
| Building Construction | — | — | — | — |
| Building Construction | Worker | 31.7 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 12.4 | 10.2 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Building Construction | Onsite truck | 0.00 | — | HHDT |
| Paving | — | — | — | — |
| Paving | Worker | 15.0 | 18.5 | LDA,LDT1,LDT2 |
| Paving | Vendor | 2.00 | 10.2 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20.0 | HHDT |
| Paving | Onsite truck | 0.00 | — | HHDT |
| Architectural Coating | — | — | — | — |
| Architectural Coating | Worker | 6.33 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10.2 | HHDT,MHDT |

| | | | | |
|---|---|---|---|---|
| Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Architectural Coating | Onsite truck | 0.00 | — | HHDT |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

| Control Strategies Applied | PM10 Reduction | PM2.5 Reduction |
|---|---|---|
| Apply dust suppressants to unpaved roads | 84% | 84% |
| Limit vehicle speeds on unpaved roads to 25 mph | 44% | 44% |
| Sweep paved roads once per month | 9% | 9% |

## 5.5. Architectural Coatings

| Phase Name | Residential Interior Area Coated (sq ft) | Residential Exterior Area Coated (sq ft) | Non-Residential Interior Area Coated (sq ft) | Non-Residential Exterior Area Coated (sq ft) | Parking Area Coated (sq ft) |
|---|---|---|---|---|---|
| Architectural Coating | 0.00 | 0.00 | 87,600 | 29,200 | 6,125 |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (cy) | Material Exported (cy) | Acres Graded (acres) | Material Demolished (sq. ft.) | Acres Paved (acres) |
|---|---|---|---|---|---|
| Site Preparation | — | — | 114 | 0.00 | — |
| Grading | — | — | 258 | 0.00 | — |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 |

### 5.6.2. Construction Earthmoving Control Strategies

| Control Strategies Applied | Frequency (per day) | PM10 Reduction | PM2.5 Reduction |
|---|---|---|---|
| Water Exposed Area | 3 | 74% | 74% |

| | | | |
|---|---|---|---|
| Water Demolished Area | 2 | 36% | 36% |

## 5.7. Construction Paving

| Land Use | Area Paved (acres) | % Asphalt |
|---|---|---|
| Racquet Club | 0.00 | 0% |
| Recreational Swimming Pool | 0.00 | 0% |
| Parking Lot | 2.34 | 100% |

## 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

| Year | kWh per Year | CO2 | CH4 | N2O |
|---|---|---|---|---|
| 2025 | 0.00 | 349 | 0.03 | < 0.005 |
| 2026 | 0.00 | 346 | 0.03 | < 0.005 |
| 2027 | 0.00 | 346 | 0.03 | < 0.005 |
| 2028 | 0.00 | 346 | 0.03 | < 0.005 |

# 8. User Changes to Default Data

| Screen | Justification |
|---|---|
| Land Use | Based on Client information, see assumptions file |
| Construction: Construction Phases | Based on Applicant info., see assumptions file |
| Construction: Architectural Coatings | South Coast AQMD Rule 113 |
| Operations: Architectural Coatings | South Coast AQMD Rule 1113 |
| Operations: Vehicle Data | Project would not generate new trips to the area |
| Construction: Off-Road Equipment | MM AQ-1, see assumptions file |

# CalEEMod Operations Model

# Corona Park Revitalization Custom Report

## Table of Contents

# 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. | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 1.87 | 1.79 | 0.70 | 3.11 | < 0.005 | 0.06 | 0.00 | 0.06 | 0.05 | 0.00 | 0.05 | 240 | 1,515 | 1,755 | 24.2 | 0.03 | 0.36 | 2,369 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 1.41 | 1.38 | 0.67 | 0.57 | < 0.005 | 0.05 | 0.00 | 0.05 | 0.05 | 0.00 | 0.05 | 240 | 1,505 | 1,745 | 24.2 | 0.03 | 0.36 | 2,358 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 1.72 | 1.66 | 0.69 | 2.31 | < 0.005 | 0.05 | 0.00 | 0.05 | 0.05 | 0.00 | 0.05 | 240 | 1,512 | 1,752 | 24.2 | 0.03 | 0.36 | 2,366 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 0.31 | 0.30 | 0.13 | 0.42 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 39.8 | 250 | 290 | 4.00 | 0.01 | 0.06 | 392 |

## 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 | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Area | 1.79 | 1.76 | 0.02 | 2.54 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 10.4 | 10.4 | < 0.005 | < 0.005 | — | 10.5 |
| Energy | 0.07 | 0.04 | 0.67 | 0.57 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 1,419 | 1,419 | 0.13 | 0.01 | — | 1,425 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water | — | — | — | — | — | — | — | — | — | — | — | 8.55 | 86.0 | 94.6 | 0.88 | 0.02 | — | 123 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 232 | 0.00 | 232 | 23.2 | 0.00 | — | 810 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.36 | 0.36 |
| Total | 1.87 | 1.79 | 0.70 | 3.11 | < 0.005 | 0.06 | 0.00 | 0.06 | 0.05 | 0.00 | 0.05 | 240 | 1,515 | 1,755 | 24.2 | 0.03 | 0.36 | 2,369 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Area | 1.34 | 1.34 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.07 | 0.04 | 0.67 | 0.57 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 1,419 | 1,419 | 0.13 | 0.01 | — | 1,425 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 8.55 | 86.0 | 94.6 | 0.88 | 0.02 | — | 123 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 232 | 0.00 | 232 | 23.2 | 0.00 | — | 810 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.36 | 0.36 |
| Total | 1.41 | 1.38 | 0.67 | 0.57 | < 0.005 | 0.05 | 0.00 | 0.05 | 0.05 | 0.00 | 0.05 | 240 | 1,505 | 1,745 | 24.2 | 0.03 | 0.36 | 2,358 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Area | 1.65 | 1.63 | 0.01 | 1.74 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 7.15 | 7.15 | < 0.005 | < 0.005 | — | 7.18 |
| Energy | 0.07 | 0.04 | 0.67 | 0.57 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 1,419 | 1,419 | 0.13 | 0.01 | — | 1,425 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 8.55 | 86.0 | 94.6 | 0.88 | 0.02 | — | 123 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 232 | 0.00 | 232 | 23.2 | 0.00 | — | 810 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.36 | 0.36 |
| Total | 1.72 | 1.66 | 0.69 | 2.31 | < 0.005 | 0.05 | 0.00 | 0.05 | 0.05 | 0.00 | 0.05 | 240 | 1,512 | 1,752 | 24.2 | 0.03 | 0.36 | 2,366 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Area | 0.30 | 0.30 | < 0.005 | 0.32 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 1.18 | 1.18 | < 0.005 | < 0.005 | — | 1.19 |
| Energy | 0.01 | 0.01 | 0.12 | 0.10 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 235 | 235 | 0.02 | < 0.005 | — | 236 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 1.41 | 14.2 | 15.7 | 0.15 | < 0.005 | — | 20.4 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 38.3 | 0.00 | 38.3 | 3.83 | 0.00 | — | 134 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.06 | 0.06 |
| Total | 0.31 | 0.30 | 0.13 | 0.42 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 39.8 | 250 | 290 | 4.00 | 0.01 | 0.06 | 392 |

# 4. Operations Emissions Details

## 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 | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | — | — | 530 | 530 | 0.05 | 0.01 | — | 533 |
| Recreational Swimming Pool | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 84.8 | 84.8 | 0.01 | < 0.005 | — | 85.3 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 615 | 615 | 0.06 | 0.01 | — | 618 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | — | — | 530 | 530 | 0.05 | 0.01 | — | 533 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Recreational Swimming Pool | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 84.8 | 84.8 | 0.01 | < 0.005 | — | 85.3 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 615 | 615 | 0.06 | 0.01 | — | 618 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | — | — | 87.8 | 87.8 | 0.01 | < 0.005 | — | 88.3 |
| Recreational Swimming Pool | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 14.0 | 14.0 | < 0.005 | < 0.005 | — | 14.1 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 102 | 102 | 0.01 | < 0.005 | — | 102 |

### 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 | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Racquet Club | 0.07 | 0.04 | 0.67 | 0.57 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 804 | 804 | 0.07 | < 0.005 | — | 806 |
| Recreational Swimming Pool | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.07 | 0.04 | 0.67 | 0.57 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 804 | 804 | 0.07 | < 0.005 | — | 806 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Racquet Club | 0.07 | 0.04 | 0.67 | 0.57 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 804 | 804 | 0.07 | < 0.005 | — | 806 |
| Recreational Swimming Pool | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.07 | 0.04 | 0.67 | 0.57 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 804 | 804 | 0.07 | < 0.005 | — | 806 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Racquet Club | 0.01 | 0.01 | 0.12 | 0.10 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 133 | 133 | 0.01 | < 0.005 | — | 133 |
| Recreational Swimming Pool | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.01 | 0.01 | 0.12 | 0.10 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 133 | 133 | 0.01 | < 0.005 | — | 133 |

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

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 1.26 | 1.26 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.08 | 0.08 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.45 | 0.42 | 0.02 | 2.54 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 10.4 | 10.4 | < 0.005 | < 0.005 | — | 10.5 |
| Total | 1.79 | 1.76 | 0.02 | 2.54 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 10.4 | 10.4 | < 0.005 | < 0.005 | — | 10.5 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 1.26 | 1.26 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.08 | 0.08 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 1.34 | 1.34 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 0.23 | 0.23 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.01 | 0.01 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.06 | 0.05 | < 0.005 | 0.32 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 1.18 | 1.18 | < 0.005 | < 0.005 | — | 1.19 |
| Total | 0.30 | 0.30 | < 0.005 | 0.32 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 1.18 | 1.18 | < 0.005 | < 0.005 | — | 1.19 |

## 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 | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | — | 6.62 | 79.5 | 86.2 | 0.69 | 0.02 | — | 108 |
| Recreational Swimming Pool | — | — | — | — | — | — | — | — | — | — | — | 1.93 | 6.49 | 8.42 | 0.20 | < 0.005 | — | 14.8 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 8.55 | 86.0 | 94.6 | 0.88 | 0.02 | — | 123 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | — | 6.62 | 79.5 | 86.2 | 0.69 | 0.02 | — | 108 |
| Recreational Swimming Pool | — | — | — | — | — | — | — | — | — | — | — | 1.93 | 6.49 | 8.42 | 0.20 | < 0.005 | — | 14.8 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 8.55 | 86.0 | 94.6 | 0.88 | 0.02 | — | 123 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Racquet Club | — | — | — | — | — | — | — | — | — | — | — | 1.10 | 13.2 | 14.3 | 0.11 | < 0.005 | — | 17.9 |
| Recreational Swimming Pool | — | — | — | — | — | — | — | — | — | — | — | 0.32 | 1.07 | 1.39 | 0.03 | < 0.005 | — | 2.45 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1.41 | 14.2 | 15.7 | 0.15 | < 0.005 | — | 20.4 |

## 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 | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | — | 179 | 0.00 | 179 | 17.9 | 0.00 | — | 628 |
| Recreational Swimming Pool | — | — | — | — | — | — | — | — | — | — | — | 52.2 | 0.00 | 52.2 | 5.22 | 0.00 | — | 183 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 232 | 0.00 | 232 | 23.2 | 0.00 | — | 810 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Racquet Club | — | — | — | — | — | — | — | — | — | — | — | 179 | 0.00 | 179 | 17.9 | 0.00 | — | 628 |
| Recreational Swimming Pool | — | — | — | — | — | — | — | — | — | — | — | 52.2 | 0.00 | 52.2 | 5.22 | 0.00 | — | 183 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 232 | 0.00 | 232 | 23.2 | 0.00 | — | 810 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | — | 29.7 | 0.00 | 29.7 | 2.97 | 0.00 | — | 104 |
| Recreational Swimming Pool | — | — | — | — | — | — | — | — | — | — | — | 8.65 | 0.00 | 8.65 | 0.86 | 0.00 | — | 30.2 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 38.3 | 0.00 | 38.3 | 3.83 | 0.00 | — | 134 |

## 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 | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.28 | 0.28 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Recreati Swimming Pool | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.08 | 0.08 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.36 | 0.36 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.28 | 0.28 |
| Recreational Swimming Pool | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.08 | 0.08 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.36 | 0.36 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.05 | 0.05 |
| Recreational Swimming Pool | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.01 | 0.01 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.06 | 0.06 |

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

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

## 4.8. Stationary Emissions By Equipment Type

### 4.8.1. Unmitigated

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

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

## 4.9. User Defined Emissions By Equipment Type

### 4.9.1. Unmitigated

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

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

# 5. Activity Data

## 5.10. Operational Area Sources

### 5.10.2. Architectural Coatings

| Residential Interior Area Coated (sq ft) | Residential Exterior Area Coated (sq ft) | Non-Residential Interior Area Coated (sq ft) | Non-Residential Exterior Area Coated (sq ft) | Parking Area Coated (sq ft) |
|---|---|---|---|---|
| 0 | 0.00 | 87,600 | 29,200 | 6,125 |

### 5.10.3. Landscape Equipment

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

## 5.11. Operational Energy Consumption

### 5.11.1. Unmitigated

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

| Land Use | Electricity (kWh/yr) | CO2 | CH4 | N2O | Natural Gas (kBTU/yr) |
|---|---|---|---|---|---|
| Racquet Club | 558,834 | 346 | 0.0330 | 0.0040 | 2,508,299 |
| Recreational Swimming Pool | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 89,422 | 346 | 0.0330 | 0.0040 | 0.00 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Racquet Club | 3,453,960 | 11,372,382 |
| Recreational Swimming Pool | 1,005,433 | 0.00 |
| Parking Lot | 0.00 | 0.00 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Racquet Club | 333 | — |
| Recreational Swimming Pool | 96.9 | — |
| Parking Lot | 0.00 | — |

## 5.14. Operational Refrigeration and Air Conditioning Equipment

### 5.14.1. Unmitigated

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

## 5.15. Operational Off-Road Equipment

### 5.15.1. Unmitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|

## 5.16. Stationary Sources

### 5.16.1. Emergency Generators and Fire Pumps

| Equipment Type | Fuel Type | Number per Day | Hours per Day | Hours per Year | Horsepower | Load Factor |
|---|---|---|---|---|---|---|

### 5.16.2. Process Boilers

| Equipment Type | Fuel Type | Number | Boiler Rating (MMBtu/hr) | Daily Heat Input (MMBtu/day) | Annual Heat Input (MMBtu/yr) |
|---|---|---|---|---|---|

## 5.17. User Defined

| Equipment Type | Fuel Type |
|---|---|

# 8. User Changes to Default Data

| Screen | Justification |
|---|---|
| Land Use | Based on Client information, see assumptions file |
| Construction: Construction Phases | Based on Applicant info., see assumptions file |
| Construction: Architectural Coatings | South Coast AQMD Rule 113 |
| Operations: Architectural Coatings | South Coast AQMD Rule 1113 |
| Operations: Vehicle Data | Project would not generate new trips to the area |
| Construction: Off-Road Equipment | MM AQ-1, see assumptions file |

# Emissions Worksheet

# Regional Construction Emissions Worksheet:

| 3.2 Site Preparation (2025) | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | ROG | NOx | CO | SO[2] | PM10 Total | PM2.5Total |
| Onsite | | **Summer** | | | | | |
| | Off-Road Equipment | 0.64 | 14.70 | 28.30 | 0.05 | 0.10 | 0.10 |
| | Dust From Material Movement | 0.00 | 0.00 | 0.00 | 0.00 | 5.11 | 2.63 |
| | Onsite truck | 0.01 | 0.02 | 0.01 | 0.01 | 0.19 | 0.02 |
| | **Total** | **0.65** | **14.72** | **28.31** | **0.06** | **5.40** | **2.75** |
| Offsite | | | | | | | |
| | Worker | 0.08 | 0.08 | 1.35 | 0.00 | 0.23 | 0.05 |
| | Vendor | 0.01 | 0.64 | 0.20 | 0.01 | 0.17 | 0.05 |
| | Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | **Total** | **0.09** | **0.72** | **1.55** | **0.01** | **0.40** | **0.10** |
| ***TOTAL*** | | ***0.74*** | ***15.44*** | ***29.86*** | ***0.06*** | ***5.80*** | ***2.85*** |

| 3.3 Grading (2025) | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | ROG | NOx | CO | SO[2] | PM10 Total | PM2.5Total |
| Onsite | | **Summer** | | | | | |
| | Off-Road Equipment | 0.95 | 18.90 | 35.40 | 0.06 | 0.17 | 0.17 |
| | Dust From Material Movement | 0.00 | 0.00 | 0.00 | 0.00 | 2.39 | 0.95 |
| | Onsite truck | 0.01 | 0.02 | 0.01 | 0.01 | 0.22 | 0.02 |
| | **Total** | **0.96** | **18.92** | **35.41** | **0.07** | **2.78** | **1.14** |
| Offsite | | | | | | | |
| | Worker | 0.09 | 0.09 | 1.54 | 0.00 | 0.26 | 0.06 |
| | Vendor | 0.02 | 0.77 | 0.24 | 0.01 | 0.21 | 0.06 |
| | Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | **Total** | **0.11** | **0.86** | **1.78** | **0.01** | **0.47** | **0.12** |
| ***TOTAL*** | | ***1.07*** | ***19.78*** | ***37.19*** | ***0.08*** | ***3.25*** | ***1.26*** |

| 3.5 Building Construction (2025) | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | ROG | NOx | CO | SO[2] | PM10 Total | PM2.5Total |
| Onsite | | **Summer** | | | | | |
| | Off-Road Equipment | 0.56 | 9.21 | 15.00 | 0.02 | 0.11 | 0.11 |
| | Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | **Total** | **0.56** | **9.21** | **15.00** | **0.02** | **0.11** | **0.11** |
| Offsite | | | | | | | |
| | Worker | 0.14 | 0.14 | 2.45 | 0.00 | 0.41 | 0.10 |
| | Vendor | 0.01 | 0.41 | 0.13 | 0.01 | 0.11 | 0.03 |
| | Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | **Total** | **0.15** | **0.55** | **2.58** | **0.01** | **0.52** | **0.13** |
| ***TOTAL*** | | ***0.71*** | ***9.76*** | ***17.58*** | ***0.03*** | ***0.63*** | ***0.24*** |

| 3.7 Building Construction (2026) | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | ROG | NOx | CO | SO[2] | PM10 Total | PM2.5Total |
| Onsite | | **Summer** | | | | | |
| | Off-Road Equipment | 0.55 | 9.17 | 15.00 | 0.02 | 0.11 | 0.10 |
| | Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | **Total** | **0.55** | **9.17** | **15.00** | **0.02** | **0.11** | **0.10** |
| Offsite | | | | | | | |
| | Worker | 0.13 | 0.12 | 2.27 | 0.00 | 0.41 | 0.10 |
| | Vendor | 0.01 | 0.40 | 0.12 | 0.01 | 0.11 | 0.03 |
| | Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | **Total** | **0.14** | **0.52** | **2.39** | **0.01** | **0.52** | **0.13** |
| ***TOTAL*** | | ***0.69*** | ***9.69*** | ***17.39*** | ***0.03*** | ***0.63*** | ***0.23*** |

### 3.9 Building Construction (2027)

| | | ROG | NOx | CO | SO2 | PM10 Total | PM2.5 Total |
|---|---|---|---|---|---|---|---|
| Onsite | | **Summer** | | | | | |
| | Off-Road Equipment | 0.54 | 9.13 | 15.00 | 0.02 | 0.10 | 0.09 |
| | Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | **Total** | **0.54** | **9.13** | **15.00** | **0.02** | **0.10** | **0.09** |
| Offsite | | | | | | | |
| | Worker | 0.13 | 0.11 | 2.10 | 0.00 | 0.41 | 0.10 |
| | Vendor | 0.01 | 0.38 | 0.12 | 0.01 | 0.11 | 0.03 |
| | Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | **Total** | **0.14** | **0.49** | **2.22** | **0.01** | **0.52** | **0.13** |
| ***TOTAL*** | | ***0.68*** | ***9.62*** | ***17.22*** | ***0.03*** | ***0.62*** | ***0.22*** |

### 3.11 Building Construction (2028)

| | | ROG | NOx | CO | SO2 | PM10 Total | PM2.5 Total |
|---|---|---|---|---|---|---|---|
| Onsite | | **Summer** | | | | | |
| | Off-Road Equipment | 0.53 | 9.09 | 14.90 | 0.02 | 0.09 | 0.09 |
| | Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Total | **0.53** | **9.09** | **14.90** | **0.02** | **0.09** | **0.09** |
| Offsite | | | | | | | |
| | Worker | 0.12 | 0.11 | 1.96 | 0.00 | 0.41 | 0.10 |
| | Vendor | 0.01 | 0.36 | 0.12 | 0.01 | 0.11 | 0.03 |
| | Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Total | **0.13** | **0.47** | **2.08** | **0.01** | **0.52** | **0.13** |
| ***TOTAL*** | | ***0.66*** | ***9.56*** | ***16.98*** | ***0.03*** | ***0.61*** | ***0.22*** |

### 3.13 Paving (2028)

| | | ROG | NOx | CO | SO2 | PM10 Total | PM2.5 Total |
|---|---|---|---|---|---|---|---|
| Onsite | | **Winter** | | | | | |
| | Off-Road Equipment | 0.43 | 6.70 | 10.60 | 0.01 | 0.09 | 0.08 |
| | Paving | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Total | **0.56** | **6.70** | **10.60** | **0.01** | **0.09** | **0.08** |
| Offsite | | | | | | | |
| | Worker | 0.05 | 0.06 | 0.70 | 0.00 | 0.20 | 0.05 |
| | Vendor | 0.01 | 0.06 | 0.02 | 0.01 | 0.02 | 0.01 |
| | Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Total | **0.06** | **0.12** | **0.72** | **0.01** | **0.22** | **0.06** |
| ***TOTAL*** | | ***0.62*** | ***6.82*** | ***11.32*** | ***0.02*** | ***0.31*** | ***0.14*** |

### 3.15 Architectural Coating (2028)

| | | ROG | NOx | CO | SO2 | PM10 Total | PM2.5 Total |
|---|---|---|---|---|---|---|---|
| Onsite | | **Winter** | | | | | |
| | Off-Road Equipment | 0.11 | 0.81 | 1.12 | 0.01 | 0.02 | 0.01 |
| | Architectural Coating | 6.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Total | **6.34** | **0.81** | **1.12** | **0.01** | **0.02** | **0.01** |
| Offsite | | | | | | | |
| | Worker | 0.02 | 0.02 | 0.30 | 0.00 | 0.08 | 0.02 |
| | Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Total | **0.02** | **0.02** | **0.30** | **0.00** | **0.08** | **0.02** |
| ***TOTAL*** | | ***6.36*** | ***0.83*** | ***1.42*** | ***0.01*** | ***0.10*** | ***0.03*** |

| | ROG | NOx | CO | SO2 | PM10 Total | PM2.5 Total |
|---|---|---|---|---|---|---|
| ***Site Preparation*** | ***0.74*** | ***15.44*** | ***29.86*** | ***0.06*** | ***5.80*** | ***2.85*** |
| ***Grading*** | ***1.07*** | ***19.78*** | ***37.19*** | ***0.08*** | ***3.25*** | ***1.26*** |
| ***Building Construction 2025*** | ***0.71*** | ***9.76*** | ***17.58*** | ***0.03*** | ***0.63*** | ***0.24*** |
| ***Building Construction 2026*** | ***0.69*** | ***9.69*** | ***17.39*** | ***0.03*** | ***0.63*** | ***0.23*** |
| ***Building Construction 2027*** | ***0.68*** | ***9.62*** | ***17.22*** | ***0.03*** | ***0.62*** | ***0.22*** |
| ***Building Construction 2028*** | ***0.66*** | ***9.56*** | ***16.98*** | ***0.03*** | ***0.61*** | ***0.22*** |
| ***Building Construction 2028, Paving, and Architectural Coating*** | ***7.64*** | ***17.21*** | ***29.72*** | ***0.05*** | ***1.02*** | ***0.39*** |
| **MAX DAILY** | **7.64** | **19.78** | **37.19** | **0.08** | **5.80** | **2.85** |
| **Regional Thresholds** | **75** | **100** | **550** | **150** | **150** | **55** |
| Exceeds Thresholds? | No | No | No | No | No | No |

# Construction LST Worksheet:

| 3.2 Site Preparation (2025) | | | | |
|---|---|---|---|---|
| | NOx | CO | PM10 Total | PM2.5Total |
| Onsite | | | | |
| Off-Road Equipment | 14.70 | 28.30 | 0.10 | 0.10 |
| Dust From Material Movement | 0.00 | 0.00 | 5.11 | 2.63 |
| Onsite truck | 0.02 | 0.01 | 0.19 | 0.02 |
| **Total** | **14.72** | **28.31** | **5.40** | **2.75** |

| 3.3 Grading (2025) | | | | |
|---|---|---|---|---|
| | NOx | CO | PM10 Total | PM2.5Total |
| Onsite | | | | |
| Off-Road Equipment | 18.90 | 35.40 | 0.17 | 0.17 |
| Dust From Material Movement | 0.00 | 0.00 | 2.39 | 0.95 |
| Onsite truck | 0.02 | 0.01 | 0.22 | 0.02 |
| **Total** | **18.92** | **35.41** | **2.78** | **1.14** |

| 3.5 Building Construction (2025) | | | | |
|---|---|---|---|---|
| | NOx | CO | PM10 Total | PM2.5Total |
| Onsite | | | | |
| Off-Road Equipment | 9.21 | 15.00 | 0.11 | 0.11 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 |
| **Total** | **9.21** | **15.00** | **0.11** | **0.11** |

| 3.7 Building Construction (2026) | | | | |
|---|---|---|---|---|
| | NOx | CO | PM10 Total | PM2.5Total |
| Onsite | | | | |
| Off-Road Equipment | 9.17 | 15.00 | 0.11 | 0.10 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 |
| **Total** | **9.17** | **15.00** | **0.11** | **0.10** |

**3.9 Building Construction (2027)**

| | NOx | CO | PM10 Total | PM2.5 Total |
|---|---|---|---|---|
| Onsite | | | | |
| Off-Road Equipment | 9.13 | 15.00 | 0.10 | 0.09 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 |
| **Total** | **9.13** | **15.00** | **0.10** | **0.09** |

**3.11 Building Construction (2028)**

| | NOx | CO | PM10 Total | PM2.5 Total |
|---|---|---|---|---|
| Onsite | | | | |
| Off-Road Equipment | 9.09 | 14.90 | 0.09 | 0.09 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | **9.09** | **14.90** | **0.09** | **0.09** |

**3.13 Paving (2028)**

| | NOx | CO | PM10 Total | PM2.5 Total |
|---|---|---|---|---|
| Onsite | | | | |
| Off-Road Equipment | 6.70 | 10.60 | 0.09 | 0.08 |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | **6.70** | **10.60** | **0.09** | **0.08** |

**3.15 Architectural Coating (2028)**

| | NOx | CO | PM10 Total | PM2.5 Total |
|---|---|---|---|---|
| Onsite | | | | |
| Off-Road Equipment | 0.81 | 1.12 | 0.02 | 0.01 |
| Architectural Coating | 0.00 | 0.00 | 0.00 | 0.00 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | **0.81** | **1.12** | **0.02** | **0.01** |

| | | NOx | CO | PM10 Total | PM2.5 Total |
|---|---|---|---|---|---|
| *Site Preparation* | | *15* | *28* | *5.40* | *2.75* |
| | *3.50 Acre LST* | *220* | *1,353* | *9.00* | *6.50* |
| | *Exceeds LST?* | *no* | *no* | *no* | *no* |
| *Grading* | | *19* | *35* | *2.78* | *1.14* |
| | *4.00 Acre LST* | *237* | *1,469* | *9.99* | *7.00* |
| | *Exceeds LST?* | *no* | *no* | *no* | *no* |
| *Building Construction 2025* | | *9* | *15* | *0.11* | *0.11* |
| | *1.31 Acre LST* | *134* | *778* | *4.62* | *3.62* |
| | *Exceeds LST?* | *no* | *no* | *no* | *no* |
| *Building Construction 2026* | | *9* | *15* | *0.11* | *0.10* |
| | *1.31 Acre LST* | *134* | *778* | *4.62* | *3.62* |
| | *Exceeds LST?* | *no* | *no* | *no* | *no* |
| *Building Construction 2027* | | *9* | *15* | *0.10* | *0.09* |
| | *1.31 Acre LST* | *134* | *778* | *4.62* | *3.62* |
| | *Exceeds LST?* | *no* | *no* | *no* | *no* |
| *Building Construction 2028* | | *9* | *15* | *0.09* | *0.09* |
| | *1.31 Acre LST* | *134* | *778* | *4.62* | *3.62* |
| | *Exceeds LST?* | *no* | *no* | *no* | *no* |
| *Building Construction 2028, Paving, and Architectural Coating* | | *17* | *27* | *0.20* | *0.18* |
| | *1.31 Acre LST* | *134* | *778* | *4.62* | *3.62* |
| | *Exceeds LST?* | *no* | *no* | *no* | *no* |

## Regional Operation Emissions Worksheet

[1] CalEEMod, Version 2022.1.

**Proposed Project**

**Summer**

| | ROG | NOx | CO | SO2 | PM10 Total | PM2.5 Total |
|---|---|---|---|---|---|---|
| Area | 1.76 | 0.02 | 2.54 | 0.01 | 0.01 | 0.01 |
| Energy | 0.04 | 0.67 | 0.57 | 0.01 | 0.05 | 0.05 |
| **Total** | **1.80** | **0.69** | **3.11** | **0.01** | **0.06** | **0.06** |

**Winter**

| | ROG | NOx | CO | SO2 | PM10 Total | PM2.5 Total |
|---|---|---|---|---|---|---|
| Area | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Energy | 0.04 | 0.67 | 0.57 | 0.01 | 0.05 | 0.05 |
| **Total** | **1.38** | **0.67** | **0.57** | **0.01** | **0.05** | **0.05** |

**Max Daily**

| | ROG | NOx | CO | SO2 | PM10 Total | PM2.5 Total |
|---|---|---|---|---|---|---|
| Area | 1.76 | 0.02 | 2.54 | 0.01 | 0.01 | 0.01 |
| Energy | 0.04 | 0.67 | 0.57 | 0.01 | 0.05 | 0.05 |
| **Total** | **1.80** | **0.69** | **3.11** | **0.01** | **0.06** | **0.06** |
| | | | | | | |
| **Regional Thresholds (lb/day)** | **55** | **55** | **550** | **150** | **150** | **55** |
| Exceeds Thresholds? | No | No | No | No | No | No |

# GHG Emissions Inventory

## Proposed Project Buildout

**Construction**[1]

| | $MTCO_2e$ |
|---|---|
| 2025 | 655 |
| 2026 | 379 |
| 2027 | 377 |
| 2028 | 420 |
| **Total Construction** | **1,831** |
| **30-Year Amortization**[2] | **61** |

[1] CalEEMod, Version 2022.1.

[2] Total construction emissions are amortized over 30 years per SCAQMD methodology; SCAQMD. 2009, November 19. Greenhouse Gases (GHG) CEQA Significance Thresholds Working Group Meeting 14. http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/year-2008-2009/ghg-meeting-14/ghg-meeting-14-main-presentation.pdf?sfvrsn=2.

**Operation**[1]

| | $MTCO_2e$/Year[2] | |
|---|---|---|
| | **Operations** | **%** |
| Area | 1 | 0% |
| Energy | 236 | 52% |
| Water | 20 | 5% |
| Solid Waste | 134 | 30% |
| Refrigerants | 0 | 0% |
| 30-Year Construction Amortization | 61 | 13% |
| | **453** | 100% |

| | |
|---|---|
| South Coast AQMD Bright-Line Screening Threshold | **3,000** |
| **Exceed Threshold?** | **No** |

[1] CalEEMod, Version 2022.1. Mobile trips not modeled since proposed project would redistribute existing vehicle trips in the City and not increase VMT.

[2] MTCO2e=metric tons of carbon dioxide equivalent.

# LST Worksheets

# Construction Localized Significance Thresholds: Site Preparation

| | | *NOx & CO* | | *PM10 & PM2.5* | | |
|---|---|---|---|---|---|---|
| **SRA No.** | Acres | Source Receptor Distance (meters) | Source Receptor Distance (Feet) | Source Receptor Distance (meters) | Source Receptor Distance (Feet) | Construction / Project Site Size (Acres) |
| 22 | 3.50 | 25 | 82 | 25 | 82 | 20.54 |

| **Source Receptor** | **Norco/Corona** | **Equipment** | **Acres/8-hr Day** | | **Daily hours** | **Equipment Used** | **Acres** |
|---|---|---|---|---|---|---|---|
| Distance (meters) | 25 | | | | | | |
| **NOx** | **220** | Tractors | 0.5 | 0.0625 | 8 | 4 | 2 |
| **CO** | **1,353** | Graders | 0.5 | 0.0625 | | | 0 |
| **PM10** | **9.00** | Dozers | 0.5 | 0.0625 | 8 | 3 | 1.5 |
| **PM2.5** | **6.50** | Scrapers | 1 | 0.125 | | | 0 |
| | | | | | | **Acres** | 3.50 |

| | Acres | **25** | **50** | **100** | **200** | **500** |
|---|---|---|---|---|---|---|
| NOx | 3 | 203 | 234 | 301 | 414 | 715 |
| | 4 | 237 | 268 | 340 | 450 | 747 |
| | | 220 | 251 | 321 | 432 | 731 |
| CO | 3 | 1238 | 1806 | 2962 | 5905 | 20119 |
| | 4 | 1469 | 2138 | 3463 | 6628 | 21305 |
| | | 1354 | 1972 | 3213 | 6267 | 20712 |
| PM10 | 3 | 8 | 24 | 45 | 88 | 213 |
| | 4 | 10 | 31 | 52 | 94 | 221 |
| | | 9 | 28 | 49 | 91 | 217 |
| PM2.5 | 3 | 6 | 8 | 14 | 28 | 103 |
| | 4 | 7 | 10 | 16 | 31 | 108 |
| | | 7 | 9 | 15 | 30 | 106 |

Norco/Corona

**3.50 Acres**

| | **25** | **50** | **100** | **200** | **500** |
|---|---|---|---|---|---|
| NOx | 220 | 251 | 321 | 432 | 731 |
| CO | 1354 | 1972 | 3213 | 6267 | 20712 |
| PM10 | 9 | 28 | 49 | 91 | 217 |
| PM2.5 | 7 | 9 | 15 | 30 | 106 |

| **Acre Below** | | **Acre Above** | |
|---|---|---|---|
| SRA No. | Acres | SRA No. | Acres |
| 22 | 3 | 22 | 4 |
| **Distance Increment Below** | | | |
| 25 | | | |
| **Distance Increment Above** | | | |
| 25 | | | |

*Updated: 10/21/2009 - Table C-1. 2006 – 2008*

# Construction Localized Significance Thresholds: Grading

| | | NOx & CO | | PM10 & PM2.5 | | |
|---|---|---|---|---|---|---|
| **SRA No.** | Acres | Source Receptor Distance (meters) | Source Receptor Distance (Feet) | Source Receptor Distance (meters) | Source Receptor Distance (Feet) | Construction / Project Site Size (Acres) |
| 22 | 4.00 | 25 | 82 | 25 | 82 | 20.54 |

| **Source Receptor** | **Norco/Corona** | **Equipment** | **Acres/8-hr Day** | | **Daily hours** | **Equipment Used** | **Acres** |
|---|---|---|---|---|---|---|---|
| Distance (meters) | 25 | | | | | | |
| **NOx** | **237** | Tractors | 0.5 | 0.0625 | 8 | 2 | 1 |
| **CO** | **1,469** | Graders | 0.5 | 0.0625 | 8 | 1 | 0.5 |
| **PM10** | **9.99** | Dozers | 0.5 | 0.0625 | 8 | 1 | 0.5 |
| **PM2.5** | **7.00** | Scrapers | 1 | 0.125 | 8 | 2 | 2 |
| | | | | | | **Acres** | 4.00 |

| | Acres | **25** | **50** | **100** | **200** | **500** |
|---|---|---|---|---|---|---|
| NOx | 4 | 237 | 268 | 340 | 450 | 747 |
| | 4 | 237 | 268 | 340 | 450 | 747 |
| | | 237 | 268 | 340 | 450 | 747 |
| CO | 4 | 1469 | 2138 | 3463 | 6628 | 21305 |
| | 4 | 1469 | 2138 | 3463 | 6628 | 21305 |
| | | 1469 | 2138 | 3463 | 6628 | 21305 |
| PM10 | 4 | 10 | 31 | 52 | 94 | 221 |
| | 4 | 10 | 31 | 52 | 94 | 221 |
| | | 10 | 31 | 52 | 94 | 221 |
| PM2.5 | 4 | 7 | 10 | 16 | 31 | 108 |
| | 4 | 7 | 10 | 16 | 31 | 108 |
| | | 7 | 10 | 16 | 31 | 108 |

Norco/Corona

**4.00 Acres**

| | **25** | **50** | **100** | **200** | **500** |
|---|---|---|---|---|---|
| NOx | 237 | 268 | 340 | 450 | 747 |
| CO | 1469 | 2138 | 3463 | 6628 | 21305 |
| PM10 | 10 | 31 | 52 | 94 | 221 |
| PM2.5 | 7 | 10 | 16 | 31 | 108 |

| **Acre Below** | | **Acre Above** | |
|---|---|---|---|
| SRA No. | Acres | SRA No. | Acres |
| 22 | 4 | 22 | 4 |
| **Distance Increment Below** | | | |
| 25 | | | |
| **Distance Increment Above** | | | |
| 25 | | | |

*Updated: 10/21/2009 - Table C-1. 2006 – 2008*

# Construction Localized Significance Thresholds: Building Construction

| | | *NOx & CO* | | *PM10 & PM2.5* | | |
|---|---|---|---|---|---|---|
| **SRA No.** | Acres | Source Receptor Distance (meters) | Source Receptor Distance (Feet) | Source Receptor Distance (meters) | Source Receptor Distance (Feet) | Construction / Project Site Size (Acres) |
| 22 | 1.31 | 25 | 82 | 25 | 82 | 20.54 |

| **Source Receptor** | **Norco/Corona** | **Equipment** | **Acres/8-hr Day** | | **Daily hours** | **Equipment Used** | **Acres** |
|---|---|---|---|---|---|---|---|
| Distance (meters) | 25 | | | | | | |
| **NOx** | **134** | Tractors | 0.5 | 0.0625 | 7 | 3 | 1.3125 |
| **CO** | **778** | Graders | 0.5 | 0.0625 | | | 0 |
| **PM10** | **4.62** | Dozers | 0.5 | 0.0625 | | | 0 |
| **PM2.5** | **3.62** | Scrapers | 1 | 0.125 | | | 0 |
| | | | | | | **Acres** | 1.31 |

| | Acres | **25** | **50** | **100** | **200** | **500** |
|---|---|---|---|---|---|---|
| NOx | 1 | 118 | 148 | 211 | 334 | 652 |
| | 2 | 170 | 200 | 263 | 378 | 684 |
| | | 134 | 164 | 227 | 348 | 662 |
| CO | 1 | 674 | 999 | 1853 | 4352 | 17637 |
| | 2 | 1007 | 1474 | 2461 | 5183 | 18934 |
| | | 778 | 1147 | 2043 | 4612 | 18042 |
| PM10 | 1 | 4 | 11 | 32 | 73 | 198 |
| | 2 | 6 | 18 | 39 | 81 | 206 |
| | | 5 | 13 | 34 | 76 | 201 |
| PM2.5 | 1 | 3 | 5 | 9 | 22 | 92 |
| | 2 | 5 | 7 | 12 | 25 | 98 |
| | | 4 | 6 | 10 | 23 | 94 |

Norco/Corona

**1.31 Acres**

| | **25** | **50** | **100** | **200** | **500** |
|---|---|---|---|---|---|
| NOx | 134 | 164 | 227 | 348 | 662 |
| CO | 778 | 1147 | 2043 | 4612 | 18042 |
| PM10 | 5 | 13 | 34 | 76 | 201 |
| PM2.5 | 4 | 6 | 10 | 23 | 94 |

| **Acre Below** | | **Acre Above** | |
|---|---|---|---|
| SRA No. | Acres | SRA No. | Acres |
| 22 | 1 | 22 | 2 |
| **Distance Increment Below** | | | |
| 25 | | | |
| **Distance Increment Above** | | | |
| 25 | | | |

*Updated: 10/21/2009 - Table C-1. 2006 – 2008*

# Construction Localized Significance Thresholds: Building Construction, Paving, and Architectural Coating

| | | *NOx & CO* | | *PM10 & PM2.5* | | |
|---|---|---|---|---|---|---|
| **SRA No.** | Acres | Source Receptor Distance (meters) | Source Receptor Distance (Feet) | Source Receptor Distance (meters) | Source Receptor Distance (Feet) | Construction / Project Site Size (Acres) |
| 22 | 1.31 | 25 | 82 | 25 | 82 | 20.54 |

| **Source Receptor** | **Norco/Corona** | **Equipment** | **Acres/8-hr Day** | | **Daily hours** | **Equipment Used** | **Acres** |
|---|---|---|---|---|---|---|---|
| Distance (meters) | 25 | | | | | | |
| **NOx** | **134** | Tractors | 0.5 | 0.0625 | 7 | 3 | 1.3125 |
| **CO** | **778** | Graders | 0.5 | 0.0625 | | | 0 |
| **PM10** | **4.62** | Dozers | 0.5 | 0.0625 | | | 0 |
| **PM2.5** | **3.62** | Scrapers | 1 | 0.125 | | | 0 |
| | | | | | | **Acres** | 1.31 |

| | Acres | **25** | **50** | **100** | **200** | **500** |
|---|---|---|---|---|---|---|
| NOx | 1 | 118 | 148 | 211 | 334 | 652 |
| | 2 | 170 | 200 | 263 | 378 | 684 |
| | | 134 | 164 | 227 | 348 | 662 |
| CO | 1 | 674 | 999 | 1853 | 4352 | 17637 |
| | 2 | 1007 | 1474 | 2461 | 5183 | 18934 |
| | | 778 | 1147 | 2043 | 4612 | 18042 |
| PM10 | 1 | 4 | 11 | 32 | 73 | 198 |
| | 2 | 6 | 18 | 39 | 81 | 206 |
| | | 5 | 13 | 34 | 76 | 201 |
| PM2.5 | 1 | 3 | 5 | 9 | 22 | 92 |
| | 2 | 5 | 7 | 12 | 25 | 98 |
| | | 4 | 6 | 10 | 23 | 94 |

Norco/Corona

**1.31 Acres**

| | **25** | **50** | **100** | **200** | **500** |
|---|---|---|---|---|---|
| NOx | 134 | 164 | 227 | 348 | 662 |
| CO | 778 | 1147 | 2043 | 4612 | 18042 |
| PM10 | 5 | 13 | 34 | 76 | 201 |
| PM2.5 | 4 | 6 | 10 | 23 | 94 |

| **Acre Below** | | **Acre Above** | |
|---|---|---|---|
| SRA No. | Acres | SRA No. | Acres |
| 22 | 1 | 22 | 2 |
| **Distance Increment Below** | | | |
| 25 | | | |
| **Distance Increment Above** | | | |
| 25 | | | |

*Updated: 10/21/2009 - Table C-1. 2006 – 2008*