



APPENDIX B

AQ/GHG/Energy Data

205 E Valley Blvd - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

205 E Valley Blvd

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|---------------|-------------|--------------------|------------|
| Unenclosed Parking with Elevator | 128.00 | Space | 0.00 | 55,886.00 | 0 |
| Apartments Mid Rise | 51.00 | Dwelling Unit | 0.45 | 60,088.00 | 146 |
| Regional Shopping Center | 10.64 | 1000sqft | 0.24 | 10,638.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 33 |
| Climate Zone | 9 | | | Operational Year | 2024 |
| Utility Company | Southern California Edison | | | | |
| CO2 Intensity (lb/MWhr) | 390.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - PER PD

Construction Phase - per AQ Questionnaire

Off-road Equipment -

Off-road Equipment - as a conservative analysis, the work hour is 8 hour per day.

Off-road Equipment - as a conservative analysis, the equipment will be use 8 hour per day.

Off-road Equipment - as a conservative analysis, the work hour is 8 hour per day.

Demolition - combined with grading

Grading - per AQ questionnaire

Architectural Coating - rule 1113

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Vehicle Trips - per traffic study

Area Coating - Rule 1113

Construction Off-road Equipment Mitigation - Rule 403

Mobile Land Use Mitigation -

Area Mitigation - SCAQMD Rule 445

Per Operation Questionnaire

Energy Mitigation - per operation questionnaire

Water Mitigation - per Operation Questionnaire

Waste Mitigation - per Operational Questionnaire

| Table Name | Column Name | Default Value | New Value |
|-------------------------|---------------------------------|---------------|-----------|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 100.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 100.00 | 50.00 |
| tblArchitecturalCoating | EF_Parking | 100.00 | 50.00 |
| tblAreaCoating | Area_EF_Nonresidential_Exterior | 100 | 50 |
| tblAreaCoating | Area_EF_Nonresidential_Interior | 100 | 50 |
| tblAreaCoating | Area_EF_Parking | 100 | 50 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 15 |
| tblConstructionPhase | NumDays | 5.00 | 44.00 |
| tblConstructionPhase | NumDays | 100.00 | 435.00 |
| tblConstructionPhase | NumDays | 10.00 | 22.00 |
| tblConstructionPhase | NumDays | 2.00 | 22.00 |
| tblConstructionPhase | PhaseEndDate | 10/11/2022 | 5/1/2024 |
| tblConstructionPhase | PhaseEndDate | 10/4/2022 | 2/29/2024 |
| tblConstructionPhase | PhaseEndDate | 5/13/2022 | 5/31/2022 |
| tblConstructionPhase | PhaseEndDate | 5/17/2022 | 6/30/2022 |
| tblConstructionPhase | PhaseStartDate | 10/5/2022 | 3/1/2024 |
| tblConstructionPhase | PhaseStartDate | 5/18/2022 | 7/1/2022 |
| tblConstructionPhase | PhaseStartDate | 5/14/2022 | 6/1/2022 |

205 E Valley Blvd - Los Angeles-South Coast County, Winter

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| | | | |
|---------------------|-------------------|-----------|-----------|
| tblGrading | MaterialExported | 0.00 | 24,000.00 |
| tblLandUse | LandUseSquareFeet | 51,200.00 | 55,886.00 |
| tblLandUse | LandUseSquareFeet | 51,000.00 | 60,088.00 |
| tblLandUse | LotAcreage | 1.15 | 0.00 |
| tblLandUse | LotAcreage | 1.34 | 0.45 |
| tblOffRoadEquipment | UsageHours | 4.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 1.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 8.00 |
| tblVehicleTrips | PB_TP | 11.00 | 0.00 |
| tblVehicleTrips | PR_TP | 54.00 | 65.00 |
| tblVehicleTrips | ST_TR | 4.91 | 4.49 |
| tblVehicleTrips | ST_TR | 46.12 | 24.09 |
| tblVehicleTrips | SU_TR | 4.09 | 4.49 |
| tblVehicleTrips | SU_TR | 21.10 | 24.09 |
| tblVehicleTrips | WD_TR | 5.44 | 4.49 |
| tblVehicleTrips | WD_TR | 37.75 | 24.09 |

2.0 Emissions Summary

205 E Valley Blvd - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2022 | 2.0665 | 39.5807 | 13.2651 | 0.1038 | 9.6823 | 0.8458 | 10.5280 | 4.1215 | 0.7844 | 4.9059 | 0.0000 | 11,134.3889 | 11,134.3889 | 1.0668 | 1.4755 | 11,600.7694 |
| 2023 | 1.0972 | 9.6071 | 10.9638 | 0.0240 | 0.8179 | 0.4370 | 1.2549 | 0.2192 | 0.4022 | 0.6214 | 0.0000 | 2,392.9315 | 2,392.9315 | 0.4986 | 0.0620 | 2,423.8644 |
| 2024 | 10.0649 | 8.9530 | 10.7507 | 0.0238 | 0.8179 | 0.3881 | 1.2059 | 0.2192 | 0.3571 | 0.5764 | 0.0000 | 2,375.8909 | 2,375.8909 | 0.4972 | 0.0602 | 2,406.2656 |
| Maximum | 10.0649 | 39.5807 | 13.2651 | 0.1038 | 9.6823 | 0.8458 | 10.5280 | 4.1215 | 0.7844 | 4.9059 | 0.0000 | 11,134.3889 | 11,134.3889 | 1.0668 | 1.4755 | 11,600.7694 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2022 | 2.0665 | 39.5807 | 13.2651 | 0.1038 | 5.1461 | 0.8458 | 5.9919 | 1.9539 | 0.7844 | 2.7383 | 0.0000 | 11,134.3889 | 11,134.3889 | 1.0668 | 1.4755 | 11,600.7694 |
| 2023 | 1.0972 | 9.6071 | 10.9638 | 0.0240 | 0.8179 | 0.4370 | 1.2549 | 0.2192 | 0.4022 | 0.6214 | 0.0000 | 2,392.9315 | 2,392.9315 | 0.4986 | 0.0620 | 2,423.8644 |
| 2024 | 10.0649 | 8.9530 | 10.7507 | 0.0238 | 0.8179 | 0.3881 | 1.2059 | 0.2192 | 0.3571 | 0.5764 | 0.0000 | 2,375.8909 | 2,375.8909 | 0.4972 | 0.0602 | 2,406.2656 |
| Maximum | 10.0649 | 39.5807 | 13.2651 | 0.1038 | 5.1461 | 0.8458 | 5.9919 | 1.9539 | 0.7844 | 2.7383 | 0.0000 | 11,134.3889 | 11,134.3889 | 1.0668 | 1.4755 | 11,600.7694 |

205 E Valley Blvd - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-----------------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 15.0304 | 1.1068 | 30.1561 | 0.0664 | | 3.9192 | 3.9192 | | 3.9192 | 3.9192 | 477.7128 | 925.6065 | 1,403.3194 | 1.4320 | 0.0324 | 1,448.7811 |
| Energy | 0.0202 | 0.1729 | 0.0755 | 1.1000e-003 | | 0.0140 | 0.0140 | | 0.0140 | 0.0140 | | 220.3823 | 220.3823 | 4.2200e-003 | 4.0400e-003 | 221.6919 |
| Mobile | 1.3316 | 1.4308 | 13.0233 | 0.0277 | 3.0164 | 0.0208 | 3.0372 | 0.8035 | 0.0193 | 0.8228 | | 2,875.1186 | 2,875.1186 | 0.2040 | 0.1266 | 2,917.9334 |
| Total | 16.3822 | 2.7105 | 43.2549 | 0.0952 | 3.0164 | 3.9539 | 6.9703 | 0.8035 | 3.9524 | 4.7559 | 477.7128 | 4,021.1074 | 4,498.8202 | 1.6402 | 0.1630 | 4,588.4064 |

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 1.6956 | 0.7999 | 3.5286 | 5.0000e-003 | | 0.0790 | 0.0790 | | 0.0790 | 0.0790 | 0.0000 | 977.3178 | 977.3178 | 0.0225 | 0.0178 | 983.1899 |
| Energy | 0.0202 | 0.1729 | 0.0755 | 1.1000e-003 | | 0.0140 | 0.0140 | | 0.0140 | 0.0140 | | 220.3823 | 220.3823 | 4.2200e-003 | 4.0400e-003 | 221.6919 |
| Mobile | 1.3316 | 1.4308 | 13.0233 | 0.0277 | 3.0164 | 0.0208 | 3.0372 | 0.8035 | 0.0193 | 0.8228 | | 2,875.1186 | 2,875.1186 | 0.2040 | 0.1266 | 2,917.9334 |
| Total | 3.0474 | 2.4036 | 16.6275 | 0.0338 | 3.0164 | 0.1137 | 3.1301 | 0.8035 | 0.1122 | 0.9157 | 0.0000 | 4,072.8186 | 4,072.8186 | 0.2307 | 0.1484 | 4,122.8152 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|-------|-------|-------|-------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-------|------|-------|
| Percent Reduction | 81.40 | 11.32 | 61.56 | 64.48 | 0.00 | 97.12 | 55.09 | 0.00 | 97.16 | 80.75 | 100.00 | -1.29 | 9.47 | 85.94 | 8.96 | 10.15 |

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 5/1/2022 | 5/31/2022 | 5 | 22 | |
| 2 | Grading | Grading | 6/1/2022 | 6/30/2022 | 5 | 22 | |
| 3 | Building Construction | Building Construction | 7/1/2022 | 2/29/2024 | 5 | 435 | |
| 4 | Architectural Coating | Architectural Coating | 3/1/2024 | 5/1/2024 | 5 | 44 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 121,678; Residential Outdoor: 40,559; Non-Residential Indoor: 15,957; Non-Residential Outdoor: 5,319; Striped Parking Area: 3,353 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Demolition | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 8.00 | 231 | 0.29 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| | | | | | |
|-----------------------|---------------------------|---|------|----|------|
| Building Construction | Forklifts | 2 | 8.00 | 89 | 0.20 |
| Building Construction | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 4 | 10.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 3 | 8.00 | 0.00 | 3,000.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 5 | 64.00 | 16.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 13.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

205 E Valley Blvd - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.5242 | 14.9461 | 11.7226 | 0.0210 | | 0.7478 | 0.7478 | | 0.7000 | 0.7000 | | 2,022.1779 | 2,022.1779 | 0.4947 | | 2,034.5445 |
| Total | 1.5242 | 14.9461 | 11.7226 | 0.0210 | 0.0000 | 0.7478 | 0.7478 | 0.0000 | 0.7000 | 0.7000 | | 2,022.1779 | 2,022.1779 | 0.4947 | | 2,034.5445 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0371 | 0.0279 | 0.3619 | 9.7000e-004 | 0.1118 | 7.2000e-004 | 0.1125 | 0.0296 | 6.6000e-004 | 0.0303 | | 98.5133 | 98.5133 | 2.8500e-003 | 2.6700e-003 | 99.3813 |
| Total | 0.0371 | 0.0279 | 0.3619 | 9.7000e-004 | 0.1118 | 7.2000e-004 | 0.1125 | 0.0296 | 6.6000e-004 | 0.0303 | | 98.5133 | 98.5133 | 2.8500e-003 | 2.6700e-003 | 99.3813 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2022

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.5242 | 14.9461 | 11.7226 | 0.0210 | | 0.7478 | 0.7478 | | 0.7000 | 0.7000 | 0.0000 | 2,022.1779 | 2,022.1779 | 0.4947 | | 2,034.5445 |
| Total | 1.5242 | 14.9461 | 11.7226 | 0.0210 | 0.0000 | 0.7478 | 0.7478 | 0.0000 | 0.7000 | 0.7000 | 0.0000 | 2,022.1779 | 2,022.1779 | 0.4947 | | 2,034.5445 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0371 | 0.0279 | 0.3619 | 9.7000e-004 | 0.1118 | 7.2000e-004 | 0.1125 | 0.0296 | 6.6000e-004 | 0.0303 | | 98.5133 | 98.5133 | 2.8500e-003 | 2.6700e-003 | 99.3813 |
| Total | 0.0371 | 0.0279 | 0.3619 | 9.7000e-004 | 0.1118 | 7.2000e-004 | 0.1125 | 0.0296 | 6.6000e-004 | 0.0303 | | 98.5133 | 98.5133 | 2.8500e-003 | 2.6700e-003 | 99.3813 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 7.2060 | 0.0000 | 7.2060 | 3.4434 | 0.0000 | 3.4434 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.4168 | 15.7269 | 7.5417 | 0.0183 | | 0.6747 | 0.6747 | | 0.6207 | 0.6207 | | 1,769.553 2 | 1,769.553 2 | 0.5723 | | 1,783.861 0 |
| Total | 1.4168 | 15.7269 | 7.5417 | 0.0183 | 7.2060 | 0.6747 | 7.8807 | 3.4434 | 0.6207 | 4.0641 | | 1,769.553 2 | 1,769.553 2 | 0.5723 | | 1,783.861 0 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|---------------|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.6201 | 23.8315 | 5.4339 | 0.0848 | 2.3869 | 0.1705 | 2.5574 | 0.6544 | 0.1631 | 0.8175 | | 9,286.025 0 | 9,286.025 0 | 0.4923 | 1.4734 | 9,737.403 4 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0296 | 0.0223 | 0.2895 | 7.7000e-004 | 0.0894 | 5.7000e-004 | 0.0900 | 0.0237 | 5.3000e-004 | 0.0242 | | 78.8107 | 78.8107 | 2.2800e-003 | 2.1400e-003 | 79.5051 |
| Total | 0.6497 | 23.8538 | 5.7234 | 0.0855 | 2.4763 | 0.1711 | 2.6474 | 0.6781 | 0.1637 | 0.8418 | | 9,364.835 6 | 9,364.835 6 | 0.4945 | 1.4755 | 9,816.908 5 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2022

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.6698 | 0.0000 | 2.6698 | 1.2758 | 0.0000 | 1.2758 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.4168 | 15.7269 | 7.5417 | 0.0183 | | 0.6747 | 0.6747 | | 0.6207 | 0.6207 | 0.0000 | 1,769.553 2 | 1,769.553 2 | 0.5723 | | 1,783.861 0 |
| Total | 1.4168 | 15.7269 | 7.5417 | 0.0183 | 2.6698 | 0.6747 | 3.3445 | 1.2758 | 0.6207 | 1.8965 | 0.0000 | 1,769.553 2 | 1,769.553 2 | 0.5723 | | 1,783.861 0 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|---------------|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.6201 | 23.8315 | 5.4339 | 0.0848 | 2.3869 | 0.1705 | 2.5574 | 0.6544 | 0.1631 | 0.8175 | | 9,286.025 0 | 9,286.025 0 | 0.4923 | 1.4734 | 9,737.403 4 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0296 | 0.0223 | 0.2895 | 7.7000e-004 | 0.0894 | 5.7000e-004 | 0.0900 | 0.0237 | 5.3000e-004 | 0.0242 | | 78.8107 | 78.8107 | 2.2800e-003 | 2.1400e-003 | 79.5051 |
| Total | 0.6497 | 23.8538 | 5.7234 | 0.0855 | 2.4763 | 0.1711 | 2.6474 | 0.6781 | 0.1637 | 0.8418 | | 9,364.835 6 | 9,364.835 6 | 0.4945 | 1.4755 | 9,816.908 5 |

205 E Valley Blvd - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.9296 | 9.6454 | 8.6757 | 0.0151 | | 0.4937 | 0.4937 | | 0.4542 | 0.4542 | | 1,457.3699 | 1,457.3699 | 0.4713 | | 1,469.1535 |
| Total | 0.9296 | 9.6454 | 8.6757 | 0.0151 | | 0.4937 | 0.4937 | | 0.4542 | 0.4542 | | 1,457.3699 | 1,457.3699 | 0.4713 | | 1,469.1535 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0311 | 0.8161 | 0.2780 | 3.1400e-003 | 0.1025 | 7.4900e-003 | 0.1100 | 0.0295 | 7.1700e-003 | 0.0367 | | 336.8651 | 336.8651 | 0.0112 | 0.0486 | 351.6245 |
| Worker | 0.2371 | 0.1787 | 2.3160 | 6.2000e-003 | 0.7154 | 4.5800e-003 | 0.7200 | 0.1897 | 4.2200e-003 | 0.1939 | | 630.4852 | 630.4852 | 0.0182 | 0.0171 | 636.0406 |
| Total | 0.2682 | 0.9948 | 2.5940 | 9.3400e-003 | 0.8179 | 0.0121 | 0.8299 | 0.2192 | 0.0114 | 0.2306 | | 967.3503 | 967.3503 | 0.0295 | 0.0657 | 987.6651 |

205 E Valley Blvd - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2022

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.9296 | 9.6454 | 8.6757 | 0.0151 | | 0.4937 | 0.4937 | | 0.4542 | 0.4542 | 0.0000 | 1,457.3699 | 1,457.3699 | 0.4713 | | 1,469.1535 |
| Total | 0.9296 | 9.6454 | 8.6757 | 0.0151 | | 0.4937 | 0.4937 | | 0.4542 | 0.4542 | 0.0000 | 1,457.3699 | 1,457.3699 | 0.4713 | | 1,469.1535 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0311 | 0.8161 | 0.2780 | 3.1400e-003 | 0.1025 | 7.4900e-003 | 0.1100 | 0.0295 | 7.1700e-003 | 0.0367 | | 336.8651 | 336.8651 | 0.0112 | 0.0486 | 351.6245 |
| Worker | 0.2371 | 0.1787 | 2.3160 | 6.2000e-003 | 0.7154 | 4.5800e-003 | 0.7200 | 0.1897 | 4.2200e-003 | 0.1939 | | 630.4852 | 630.4852 | 0.0182 | 0.0171 | 636.0406 |
| Total | 0.2682 | 0.9948 | 2.5940 | 9.3400e-003 | 0.8179 | 0.0121 | 0.8299 | 0.2192 | 0.0114 | 0.2306 | | 967.3503 | 967.3503 | 0.0295 | 0.0657 | 987.6651 |

205 E Valley Blvd - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.8592 | 8.8062 | 8.5866 | 0.0151 | | 0.4296 | 0.4296 | | 0.3952 | 0.3952 | | 1,458.0339 | 1,458.0339 | 0.4716 | | 1,469.8228 |
| Total | 0.8592 | 8.8062 | 8.5866 | 0.0151 | | 0.4296 | 0.4296 | | 0.3952 | 0.3952 | | 1,458.0339 | 1,458.0339 | 0.4716 | | 1,469.8228 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0178 | 0.6430 | 0.2454 | 2.9800e-003 | 0.1025 | 3.1100e-003 | 0.1056 | 0.0295 | 2.9700e-003 | 0.0325 | | 320.9925 | 320.9925 | 0.0107 | 0.0462 | 335.0258 |
| Worker | 0.2202 | 0.1578 | 2.1317 | 6.0000e-003 | 0.7154 | 4.3200e-003 | 0.7197 | 0.1897 | 3.9700e-003 | 0.1937 | | 613.9051 | 613.9051 | 0.0164 | 0.0158 | 619.0158 |
| Total | 0.2380 | 0.8008 | 2.3771 | 8.9800e-003 | 0.8179 | 7.4300e-003 | 0.8253 | 0.2192 | 6.9400e-003 | 0.2262 | | 934.8976 | 934.8976 | 0.0271 | 0.0620 | 954.0415 |

205 E Valley Blvd - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2023

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.8592 | 8.8062 | 8.5866 | 0.0151 | | 0.4296 | 0.4296 | | 0.3952 | 0.3952 | 0.0000 | 1,458.0339 | 1,458.0339 | 0.4716 | | 1,469.8228 |
| Total | 0.8592 | 8.8062 | 8.5866 | 0.0151 | | 0.4296 | 0.4296 | | 0.3952 | 0.3952 | 0.0000 | 1,458.0339 | 1,458.0339 | 0.4716 | | 1,469.8228 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0178 | 0.6430 | 0.2454 | 2.9800e-003 | 0.1025 | 3.1100e-003 | 0.1056 | 0.0295 | 2.9700e-003 | 0.0325 | | 320.9925 | 320.9925 | 0.0107 | 0.0462 | 335.0258 |
| Worker | 0.2202 | 0.1578 | 2.1317 | 6.0000e-003 | 0.7154 | 4.3200e-003 | 0.7197 | 0.1897 | 3.9700e-003 | 0.1937 | | 613.9051 | 613.9051 | 0.0164 | 0.0158 | 619.0158 |
| Total | 0.2380 | 0.8008 | 2.3771 | 8.9800e-003 | 0.8179 | 7.4300e-003 | 0.8253 | 0.2192 | 6.9400e-003 | 0.2262 | | 934.8976 | 934.8976 | 0.0271 | 0.0620 | 954.0415 |

205 E Valley Blvd - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.8080 | 8.1678 | 8.5245 | 0.0151 | | 0.3808 | 0.3808 | | 0.3503 | 0.3503 | | 1,458.4025 | 1,458.4025 | 0.4717 | | 1,470.1944 |
| Total | 0.8080 | 8.1678 | 8.5245 | 0.0151 | | 0.3808 | 0.3808 | | 0.3503 | 0.3503 | | 1,458.4025 | 1,458.4025 | 0.4717 | | 1,470.1944 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0172 | 0.6443 | 0.2402 | 2.9400e-003 | 0.1025 | 3.1300e-003 | 0.1056 | 0.0295 | 2.9900e-003 | 0.0325 | | 316.1829 | 316.1829 | 0.0107 | 0.0456 | 330.0244 |
| Worker | 0.2059 | 0.1409 | 1.9860 | 5.8300e-003 | 0.7154 | 4.1400e-003 | 0.7195 | 0.1897 | 3.8100e-003 | 0.1935 | | 601.3055 | 601.3055 | 0.0148 | 0.0147 | 606.0468 |
| Total | 0.2231 | 0.7852 | 2.2262 | 8.7700e-003 | 0.8179 | 7.2700e-003 | 0.8251 | 0.2192 | 6.8000e-003 | 0.2260 | | 917.4885 | 917.4885 | 0.0256 | 0.0602 | 936.0712 |

205 E Valley Blvd - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2024

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.8080 | 8.1678 | 8.5245 | 0.0151 | | 0.3808 | 0.3808 | | 0.3503 | 0.3503 | 0.0000 | 1,458.4025 | 1,458.4025 | 0.4717 | | 1,470.1944 |
| Total | 0.8080 | 8.1678 | 8.5245 | 0.0151 | | 0.3808 | 0.3808 | | 0.3503 | 0.3503 | 0.0000 | 1,458.4025 | 1,458.4025 | 0.4717 | | 1,470.1944 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0172 | 0.6443 | 0.2402 | 2.9400e-003 | 0.1025 | 3.1300e-003 | 0.1056 | 0.0295 | 2.9900e-003 | 0.0325 | | 316.1829 | 316.1829 | 0.0107 | 0.0456 | 330.0244 |
| Worker | 0.2059 | 0.1409 | 1.9860 | 5.8300e-003 | 0.7154 | 4.1400e-003 | 0.7195 | 0.1897 | 3.8100e-003 | 0.1935 | | 601.3055 | 601.3055 | 0.0148 | 0.0147 | 606.0468 |
| Total | 0.2231 | 0.7852 | 2.2262 | 8.7700e-003 | 0.8179 | 7.2700e-003 | 0.8251 | 0.2192 | 6.8000e-003 | 0.2260 | | 917.4885 | 917.4885 | 0.0256 | 0.0602 | 936.0712 |

205 E Valley Blvd - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Architectural Coating - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 9.8423 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1808 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |
| Total | 10.0231 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0418 | 0.0286 | 0.4034 | 1.1800e-003 | 0.1453 | 8.4000e-004 | 0.1462 | 0.0385 | 7.7000e-004 | 0.0393 | | 122.1402 | 122.1402 | 3.0100e-003 | 2.9800e-003 | 123.1033 |
| Total | 0.0418 | 0.0286 | 0.4034 | 1.1800e-003 | 0.1453 | 8.4000e-004 | 0.1462 | 0.0385 | 7.7000e-004 | 0.0393 | | 122.1402 | 122.1402 | 3.0100e-003 | 2.9800e-003 | 123.1033 |

205 E Valley Blvd - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Architectural Coating - 2024

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 9.8423 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1808 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | 0.0000 | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |
| Total | 10.0231 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | 0.0000 | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0418 | 0.0286 | 0.4034 | 1.1800e-003 | 0.1453 | 8.4000e-004 | 0.1462 | 0.0385 | 7.7000e-004 | 0.0393 | | 122.1402 | 122.1402 | 3.0100e-003 | 2.9800e-003 | 123.1033 |
| Total | 0.0418 | 0.0286 | 0.4034 | 1.1800e-003 | 0.1453 | 8.4000e-004 | 0.1462 | 0.0385 | 7.7000e-004 | 0.0393 | | 122.1402 | 122.1402 | 3.0100e-003 | 2.9800e-003 | 123.1033 |

205 E Valley Blvd - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 1.3316 | 1.4308 | 13.0233 | 0.0277 | 3.0164 | 0.0208 | 3.0372 | 0.8035 | 0.0193 | 0.8228 | | 2,875.1186 | 2,875.1186 | 0.2040 | 0.1266 | 2,917.9334 |
| Unmitigated | 1.3316 | 1.4308 | 13.0233 | 0.0277 | 3.0164 | 0.0208 | 3.0372 | 0.8035 | 0.0193 | 0.8228 | | 2,875.1186 | 2,875.1186 | 0.2040 | 0.1266 | 2,917.9334 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|---------------|---------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Apartments Mid Rise | 228.99 | 228.99 | 228.99 | 782,494 | 782,494 |
| Regional Shopping Center | 256.27 | 256.27 | 256.27 | 650,228 | 650,228 |
| Unenclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | | |
| Total | 485.26 | 485.26 | 485.26 | 1,432,721 | 1,432,721 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|--------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Apartments Mid Rise | 14.70 | 5.90 | 8.70 | 40.20 | 19.20 | 40.60 | 86 | 11 | 3 |
| Regional Shopping Center | 16.60 | 8.40 | 6.90 | 16.30 | 64.70 | 19.00 | 65 | 35 | 0 |
| Unenclosed Parking with | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

205 E Valley Blvd - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Apartments Mid Rise | 0.542464 | 0.063735 | 0.188241 | 0.126899 | 0.023249 | 0.006239 | 0.010717 | 0.008079 | 0.000923 | 0.000604 | 0.024795 | 0.000702 | 0.003352 |
| Regional Shopping Center | 0.542464 | 0.063735 | 0.188241 | 0.126899 | 0.023249 | 0.006239 | 0.010717 | 0.008079 | 0.000923 | 0.000604 | 0.024795 | 0.000702 | 0.003352 |
| Unenclosed Parking with Elevator | 0.542464 | 0.063735 | 0.188241 | 0.126899 | 0.023249 | 0.006239 | 0.010717 | 0.008079 | 0.000923 | 0.000604 | 0.024795 | 0.000702 | 0.003352 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

Install Energy Efficient Appliances

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0202 | 0.1729 | 0.0755 | 1.1000e-003 | | 0.0140 | 0.0140 | | 0.0140 | 0.0140 | | 220.3823 | 220.3823 | 4.2200e-003 | 4.0400e-003 | 221.6919 |
| NaturalGas Unmitigated | 0.0202 | 0.1729 | 0.0755 | 1.1000e-003 | | 0.0140 | 0.0140 | | 0.0140 | 0.0140 | | 220.3823 | 220.3823 | 4.2200e-003 | 4.0400e-003 | 221.6919 |

205 E Valley Blvd - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Apartments Mid Rise | 1825.74 | 0.0197 | 0.1683 | 0.0716 | 1.0700e-003 | | 0.0136 | 0.0136 | | 0.0136 | 0.0136 | | 214.7933 | 214.7933 | 4.1200e-003 | 3.9400e-003 | 216.0697 |
| Regional Shopping Center | 47.5067 | 5.1000e-004 | 4.6600e-003 | 3.9100e-003 | 3.0000e-005 | | 3.5000e-004 | 3.5000e-004 | | 3.5000e-004 | 3.5000e-004 | | 5.5890 | 5.5890 | 1.1000e-004 | 1.0000e-004 | 5.6222 |
| Unenclosed Parking with Elevator | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0202 | 0.1729 | 0.0755 | 1.1000e-003 | | 0.0140 | 0.0140 | | 0.0140 | 0.0140 | | 220.3823 | 220.3823 | 4.2300e-003 | 4.0400e-003 | 221.6919 |

205 E Valley Blvd - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - Natural Gas

Mitigated

| | Natural Gas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|-----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Apartments Mid Rise | 1.82574 | 0.0197 | 0.1683 | 0.0716 | 1.0700e-003 | | 0.0136 | 0.0136 | | 0.0136 | 0.0136 | | 214.7933 | 214.7933 | 4.1200e-003 | 3.9400e-003 | 216.0697 |
| Regional Shopping Center | 0.0475067 | 5.1000e-004 | 4.6600e-003 | 3.9100e-003 | 3.0000e-005 | | 3.5000e-004 | 3.5000e-004 | | 3.5000e-004 | 3.5000e-004 | | 5.5890 | 5.5890 | 1.1000e-004 | 1.0000e-004 | 5.6222 |
| Unenclosed Parking with Elevator | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0202 | 0.1729 | 0.0755 | 1.1000e-003 | | 0.0140 | 0.0140 | | 0.0140 | 0.0140 | | 220.3823 | 220.3823 | 4.2300e-003 | 4.0400e-003 | 221.6919 |

6.0 Area Detail

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use only Natural Gas Hearths

205 E Valley Blvd - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|--------|---------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|------------|--------|--------|------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 1.6956 | 0.7999 | 3.5286 | 5.0000e-003 | | 0.0790 | 0.0790 | | 0.0790 | 0.0790 | 0.0000 | 977.3178 | 977.3178 | 0.0225 | 0.0178 | 983.1899 |
| Unmitigated | 15.0304 | 1.1068 | 30.1561 | 0.0664 | | 3.9192 | 3.9192 | | 3.9192 | 3.9192 | 477.7128 | 925.6065 | 1,403.3194 | 1.4320 | 0.0324 | 1,448.7811 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-----------------|-----------------|-------------------|---------------|---------------|-------------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.1187 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 1.4202 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 13.3638 | 1.0582 | 25.9361 | 0.0662 | | 3.8958 | 3.8958 | | 3.8958 | 3.8958 | 477.7128 | 918.0000 | 1,395.7128 | 1.4246 | 0.0324 | 1,440.9909 |
| Landscaping | 0.1278 | 0.0486 | 4.2199 | 2.2000e-004 | | 0.0234 | 0.0234 | | 0.0234 | 0.0234 | | 7.6065 | 7.6065 | 7.3500e-003 | | 7.7902 |
| Total | 15.0304 | 1.1068 | 30.1561 | 0.0664 | | 3.9192 | 3.9192 | | 3.9192 | 3.9192 | 477.7128 | 925.6065 | 1,403.3194 | 1.4320 | 0.0324 | 1,448.7811 |

205 E Valley Blvd - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.1187 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 1.4202 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 0.0891 | 0.7614 | 0.3240 | 4.8600e-003 | | 0.0616 | 0.0616 | | 0.0616 | 0.0616 | 0.0000 | 972.0000 | 972.0000 | 0.0186 | 0.0178 | 977.7761 |
| Landscaping | 0.0677 | 0.0385 | 3.2046 | 1.4000e-004 | | 0.0174 | 0.0174 | | 0.0174 | 0.0174 | | 5.3178 | 5.3178 | 3.8400e-003 | | 5.4138 |
| Total | 1.6956 | 0.7999 | 3.5286 | 5.0000e-003 | | 0.0790 | 0.0790 | | 0.0790 | 0.0790 | 0.0000 | 977.3178 | 977.3178 | 0.0225 | 0.0178 | 983.1899 |

7.0 Water Detail

7.1 Mitigation Measures Water

Use Water Efficient Irrigation System

205 E Valley Blvd - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

205 E Valley Blvd

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|---------------|-------------|--------------------|------------|
| Unenclosed Parking with Elevator | 128.00 | Space | 0.00 | 55,886.00 | 0 |
| Apartments Mid Rise | 51.00 | Dwelling Unit | 0.45 | 60,088.00 | 146 |
| Regional Shopping Center | 10.64 | 1000sqft | 0.24 | 10,638.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 33 |
| Climate Zone | 9 | | | Operational Year | 2024 |
| Utility Company | Southern California Edison | | | | |
| CO2 Intensity (lb/MWhr) | 390.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - PER PD

Construction Phase - per AQ Questionnaire

Off-road Equipment -

Off-road Equipment - as a conservative analysis, the work hour is 8 hour per day.

Off-road Equipment - as a conservative analysis, the equipment will be use 8 hour per day.

Off-road Equipment - as a conservative analysis, the work hour is 8 hour per day.

Demolition - combined with grading

Grading - per AQ questionnaire

Architectural Coating - rule 1113

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vehicle Trips - per traffic study

Area Coating - Rule 1113

Construction Off-road Equipment Mitigation - Rule 403

Mobile Land Use Mitigation -

Area Mitigation - SCAQMD Rule 445

Per Operation Questionnaire

Energy Mitigation - per operation questionnaire

Water Mitigation - per Operation Questionnaire

Waste Mitigation - per Operational Questionnaire

| Table Name | Column Name | Default Value | New Value |
|-------------------------|---------------------------------|---------------|-----------|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 100.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 100.00 | 50.00 |
| tblArchitecturalCoating | EF_Parking | 100.00 | 50.00 |
| tblAreaCoating | Area_EF_Nonresidential_Exterior | 100 | 50 |
| tblAreaCoating | Area_EF_Nonresidential_Interior | 100 | 50 |
| tblAreaCoating | Area_EF_Parking | 100 | 50 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 15 |
| tblConstructionPhase | NumDays | 5.00 | 44.00 |
| tblConstructionPhase | NumDays | 100.00 | 435.00 |
| tblConstructionPhase | NumDays | 10.00 | 22.00 |
| tblConstructionPhase | NumDays | 2.00 | 22.00 |
| tblConstructionPhase | PhaseEndDate | 10/11/2022 | 5/1/2024 |
| tblConstructionPhase | PhaseEndDate | 10/4/2022 | 2/29/2024 |
| tblConstructionPhase | PhaseEndDate | 5/13/2022 | 5/31/2022 |
| tblConstructionPhase | PhaseEndDate | 5/17/2022 | 6/30/2022 |
| tblConstructionPhase | PhaseStartDate | 10/5/2022 | 3/1/2024 |
| tblConstructionPhase | PhaseStartDate | 5/18/2022 | 7/1/2022 |
| tblConstructionPhase | PhaseStartDate | 5/14/2022 | 6/1/2022 |

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| | | | |
|---------------------|-------------------|-----------|-----------|
| tblGrading | MaterialExported | 0.00 | 24,000.00 |
| tblLandUse | LandUseSquareFeet | 51,200.00 | 55,886.00 |
| tblLandUse | LandUseSquareFeet | 51,000.00 | 60,088.00 |
| tblLandUse | LotAcreage | 1.15 | 0.00 |
| tblLandUse | LotAcreage | 1.34 | 0.45 |
| tblOffRoadEquipment | UsageHours | 4.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 1.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 8.00 |
| tblVehicleTrips | PB_TP | 11.00 | 0.00 |
| tblVehicleTrips | PR_TP | 54.00 | 65.00 |
| tblVehicleTrips | ST_TR | 4.91 | 4.49 |
| tblVehicleTrips | ST_TR | 46.12 | 24.09 |
| tblVehicleTrips | SU_TR | 4.09 | 4.49 |
| tblVehicleTrips | SU_TR | 21.10 | 24.09 |
| tblVehicleTrips | WD_TR | 5.44 | 4.49 |
| tblVehicleTrips | WD_TR | 37.75 | 24.09 |

2.0 Emissions Summary

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2022 | 2.0798 | 38.6492 | 13.1969 | 0.1038 | 9.6823 | 0.8454 | 10.5277 | 4.1215 | 0.7840 | 4.9056 | 0.0000 | 11,136.0670 | 11,136.0670 | 1.0676 | 1.4749 | 11,602.2833 |
| 2023 | 1.0826 | 9.5632 | 11.1438 | 0.0244 | 0.8179 | 0.4370 | 1.2548 | 0.2192 | 0.4021 | 0.6214 | 0.0000 | 2,426.5580 | 2,426.5580 | 0.4984 | 0.0608 | 2,457.1500 |
| 2024 | 10.0619 | 8.9108 | 10.9161 | 0.0241 | 0.8179 | 0.3880 | 1.2059 | 0.2192 | 0.3571 | 0.5763 | 0.0000 | 2,408.7548 | 2,408.7548 | 0.4971 | 0.0592 | 2,438.8122 |
| Maximum | 10.0619 | 38.6492 | 13.1969 | 0.1038 | 9.6823 | 0.8454 | 10.5277 | 4.1215 | 0.7840 | 4.9056 | 0.0000 | 11,136.0670 | 11,136.0670 | 1.0676 | 1.4749 | 11,602.2833 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2022 | 2.0798 | 38.6492 | 13.1969 | 0.1038 | 5.1461 | 0.8454 | 5.9915 | 1.9539 | 0.7840 | 2.7379 | 0.0000 | 11,136.0670 | 11,136.0670 | 1.0676 | 1.4749 | 11,602.2833 |
| 2023 | 1.0826 | 9.5632 | 11.1438 | 0.0244 | 0.8179 | 0.4370 | 1.2548 | 0.2192 | 0.4021 | 0.6214 | 0.0000 | 2,426.5580 | 2,426.5580 | 0.4984 | 0.0608 | 2,457.1500 |
| 2024 | 10.0619 | 8.9108 | 10.9161 | 0.0241 | 0.8179 | 0.3880 | 1.2059 | 0.2192 | 0.3571 | 0.5763 | 0.0000 | 2,408.7548 | 2,408.7548 | 0.4971 | 0.0592 | 2,438.8122 |
| Maximum | 10.0619 | 38.6492 | 13.1969 | 0.1038 | 5.1461 | 0.8454 | 5.9915 | 1.9539 | 0.7840 | 2.7379 | 0.0000 | 11,136.0670 | 11,136.0670 | 1.0676 | 1.4749 | 11,602.2833 |

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 40.08 | 0.00 | 34.92 | 47.54 | 0.00 | 35.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-----------------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 15.0304 | 1.1068 | 30.1561 | 0.0664 | | 3.9192 | 3.9192 | | 3.9192 | 3.9192 | 477.7128 | 925.6065 | 1,403.3194 | 1.4320 | 0.0324 | 1,448.7811 |
| Energy | 0.0202 | 0.1729 | 0.0755 | 1.1000e-003 | | 0.0140 | 0.0140 | | 0.0140 | 0.0140 | | 220.3823 | 220.3823 | 4.2200e-003 | 4.0400e-003 | 221.6919 |
| Mobile | 1.3581 | 1.3249 | 13.2581 | 0.0290 | 3.0164 | 0.0208 | 3.0372 | 0.8035 | 0.0193 | 0.8228 | | 3,002.2058 | 3,002.2058 | 0.1978 | 0.1212 | 3,043.2588 |
| Total | 16.4087 | 2.6046 | 43.4897 | 0.0964 | 3.0164 | 3.9539 | 6.9703 | 0.8035 | 3.9524 | 4.7559 | 477.7128 | 4,148.1946 | 4,625.9075 | 1.6340 | 0.1576 | 4,713.7319 |

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 1.6956 | 0.7999 | 3.5286 | 5.0000e-003 | | 0.0790 | 0.0790 | | 0.0790 | 0.0790 | 0.0000 | 977.3178 | 977.3178 | 0.0225 | 0.0178 | 983.1899 |
| Energy | 0.0202 | 0.1729 | 0.0755 | 1.1000e-003 | | 0.0140 | 0.0140 | | 0.0140 | 0.0140 | | 220.3823 | 220.3823 | 4.2200e-003 | 4.0400e-003 | 221.6919 |
| Mobile | 1.3581 | 1.3249 | 13.2581 | 0.0290 | 3.0164 | 0.0208 | 3.0372 | 0.8035 | 0.0193 | 0.8228 | | 3,002.2058 | 3,002.2058 | 0.1978 | 0.1212 | 3,043.2588 |
| Total | 3.0738 | 2.2977 | 16.8622 | 0.0351 | 3.0164 | 0.1137 | 3.1301 | 0.8035 | 0.1122 | 0.9157 | 0.0000 | 4,199.9059 | 4,199.9059 | 0.2245 | 0.1430 | 4,248.1406 |

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|-------|-------|-------|-------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-------|------|------|
| Percent Reduction | 81.27 | 11.78 | 61.23 | 63.66 | 0.00 | 97.12 | 55.09 | 0.00 | 97.16 | 80.75 | 100.00 | -1.25 | 9.21 | 86.26 | 9.26 | 9.88 |

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 5/1/2022 | 5/31/2022 | 5 | 22 | |
| 2 | Grading | Grading | 6/1/2022 | 6/30/2022 | 5 | 22 | |
| 3 | Building Construction | Building Construction | 7/1/2022 | 2/29/2024 | 5 | 435 | |
| 4 | Architectural Coating | Architectural Coating | 3/1/2024 | 5/1/2024 | 5 | 44 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 121,678; Residential Outdoor: 40,559; Non-Residential Indoor: 15,957; Non-Residential Outdoor: 5,319; Striped Parking Area: 3,353 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Demolition | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 8.00 | 231 | 0.29 |

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| | | | | | |
|-----------------------|---------------------------|---|------|----|------|
| Building Construction | Forklifts | 2 | 8.00 | 89 | 0.20 |
| Building Construction | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 4 | 10.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 3 | 8.00 | 0.00 | 3,000.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 5 | 64.00 | 16.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 13.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.5242 | 14.9461 | 11.7226 | 0.0210 | | 0.7478 | 0.7478 | | 0.7000 | 0.7000 | | 2,022.1779 | 2,022.1779 | 0.4947 | | 2,034.5445 |
| Total | 1.5242 | 14.9461 | 11.7226 | 0.0210 | 0.0000 | 0.7478 | 0.7478 | 0.0000 | 0.7000 | 0.7000 | | 2,022.1779 | 2,022.1779 | 0.4947 | | 2,034.5445 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0346 | 0.0253 | 0.3941 | 1.0200e-003 | 0.1118 | 7.2000e-004 | 0.1125 | 0.0296 | 6.6000e-004 | 0.0303 | | 104.0127 | 104.0127 | 2.8200e-003 | 2.5000e-003 | 104.8288 |
| Total | 0.0346 | 0.0253 | 0.3941 | 1.0200e-003 | 0.1118 | 7.2000e-004 | 0.1125 | 0.0296 | 6.6000e-004 | 0.0303 | | 104.0127 | 104.0127 | 2.8200e-003 | 2.5000e-003 | 104.8288 |

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2022

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.5242 | 14.9461 | 11.7226 | 0.0210 | | 0.7478 | 0.7478 | | 0.7000 | 0.7000 | 0.0000 | 2,022.1779 | 2,022.1779 | 0.4947 | | 2,034.5445 |
| Total | 1.5242 | 14.9461 | 11.7226 | 0.0210 | 0.0000 | 0.7478 | 0.7478 | 0.0000 | 0.7000 | 0.7000 | 0.0000 | 2,022.1779 | 2,022.1779 | 0.4947 | | 2,034.5445 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0346 | 0.0253 | 0.3941 | 1.0200e-003 | 0.1118 | 7.2000e-004 | 0.1125 | 0.0296 | 6.6000e-004 | 0.0303 | | 104.0127 | 104.0127 | 2.8200e-003 | 2.5000e-003 | 104.8288 |
| Total | 0.0346 | 0.0253 | 0.3941 | 1.0200e-003 | 0.1118 | 7.2000e-004 | 0.1125 | 0.0296 | 6.6000e-004 | 0.0303 | | 104.0127 | 104.0127 | 2.8200e-003 | 2.5000e-003 | 104.8288 |

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 7.2060 | 0.0000 | 7.2060 | 3.4434 | 0.0000 | 3.4434 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.4168 | 15.7269 | 7.5417 | 0.0183 | | 0.6747 | 0.6747 | | 0.6207 | 0.6207 | | 1,769.553 2 | 1,769.553 2 | 0.5723 | | 1,783.861 0 |
| Total | 1.4168 | 15.7269 | 7.5417 | 0.0183 | 7.2060 | 0.6747 | 7.8807 | 3.4434 | 0.6207 | 4.0641 | | 1,769.553 2 | 1,769.553 2 | 0.5723 | | 1,783.861 0 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|---------------|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.6353 | 22.9021 | 5.3399 | 0.0847 | 2.3869 | 0.1702 | 2.5570 | 0.6544 | 0.1628 | 0.8172 | | 9,283.303 6 | 9,283.303 6 | 0.4931 | 1.4729 | 9,734.559 3 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0277 | 0.0202 | 0.3153 | 8.2000e-004 | 0.0894 | 5.7000e-004 | 0.0900 | 0.0237 | 5.3000e-004 | 0.0242 | | 83.2102 | 83.2102 | 2.2500e-003 | 2.0000e-003 | 83.8630 |
| Total | 0.6630 | 22.9223 | 5.6552 | 0.0856 | 2.4763 | 0.1707 | 2.6470 | 0.6781 | 0.1633 | 0.8414 | | 9,366.513 7 | 9,366.513 7 | 0.4953 | 1.4749 | 9,818.422 3 |

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2022

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.6698 | 0.0000 | 2.6698 | 1.2758 | 0.0000 | 1.2758 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.4168 | 15.7269 | 7.5417 | 0.0183 | | 0.6747 | 0.6747 | | 0.6207 | 0.6207 | 0.0000 | 1,769.553 2 | 1,769.553 2 | 0.5723 | | 1,783.861 0 |
| Total | 1.4168 | 15.7269 | 7.5417 | 0.0183 | 2.6698 | 0.6747 | 3.3445 | 1.2758 | 0.6207 | 1.8965 | 0.0000 | 1,769.553 2 | 1,769.553 2 | 0.5723 | | 1,783.861 0 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|---------------|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.6353 | 22.9021 | 5.3399 | 0.0847 | 2.3869 | 0.1702 | 2.5570 | 0.6544 | 0.1628 | 0.8172 | | 9,283.303 6 | 9,283.303 6 | 0.4931 | 1.4729 | 9,734.559 3 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0277 | 0.0202 | 0.3153 | 8.2000e-004 | 0.0894 | 5.7000e-004 | 0.0900 | 0.0237 | 5.3000e-004 | 0.0242 | | 83.2102 | 83.2102 | 2.2500e-003 | 2.0000e-003 | 83.8630 |
| Total | 0.6630 | 22.9223 | 5.6552 | 0.0856 | 2.4763 | 0.1707 | 2.6470 | 0.6781 | 0.1633 | 0.8414 | | 9,366.513 7 | 9,366.513 7 | 0.4953 | 1.4749 | 9,818.422 3 |

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.9296 | 9.6454 | 8.6757 | 0.0151 | | 0.4937 | 0.4937 | | 0.4542 | 0.4542 | | 1,457.3699 | 1,457.3699 | 0.4713 | | 1,469.1535 |
| Total | 0.9296 | 9.6454 | 8.6757 | 0.0151 | | 0.4937 | 0.4937 | | 0.4542 | 0.4542 | | 1,457.3699 | 1,457.3699 | 0.4713 | | 1,469.1535 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0315 | 0.7838 | 0.2687 | 3.1300e-003 | 0.1025 | 7.4700e-003 | 0.1100 | 0.0295 | 7.1400e-003 | 0.0367 | | 336.7386 | 336.7386 | 0.0113 | 0.0485 | 351.4802 |
| Worker | 0.2215 | 0.1617 | 2.5224 | 6.5400e-003 | 0.7154 | 4.5800e-003 | 0.7200 | 0.1897 | 4.2200e-003 | 0.1939 | | 665.6813 | 665.6813 | 0.0180 | 0.0160 | 670.9042 |
| Total | 0.2530 | 0.9455 | 2.7912 | 9.6700e-003 | 0.8179 | 0.0121 | 0.8299 | 0.2192 | 0.0114 | 0.2306 | | 1,002.4199 | 1,002.4199 | 0.0293 | 0.0645 | 1,022.3844 |

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2022

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.9296 | 9.6454 | 8.6757 | 0.0151 | | 0.4937 | 0.4937 | | 0.4542 | 0.4542 | 0.0000 | 1,457.3699 | 1,457.3699 | 0.4713 | | 1,469.1535 |
| Total | 0.9296 | 9.6454 | 8.6757 | 0.0151 | | 0.4937 | 0.4937 | | 0.4542 | 0.4542 | 0.0000 | 1,457.3699 | 1,457.3699 | 0.4713 | | 1,469.1535 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0315 | 0.7838 | 0.2687 | 3.1300e-003 | 0.1025 | 7.4700e-003 | 0.1100 | 0.0295 | 7.1400e-003 | 0.0367 | | 336.7386 | 336.7386 | 0.0113 | 0.0485 | 351.4802 |
| Worker | 0.2215 | 0.1617 | 2.5224 | 6.5400e-003 | 0.7154 | 4.5800e-003 | 0.7200 | 0.1897 | 4.2200e-003 | 0.1939 | | 665.6813 | 665.6813 | 0.0180 | 0.0160 | 670.9042 |
| Total | 0.2530 | 0.9455 | 2.7912 | 9.6700e-003 | 0.8179 | 0.0121 | 0.8299 | 0.2192 | 0.0114 | 0.2306 | | 1,002.4199 | 1,002.4199 | 0.0293 | 0.0645 | 1,022.3844 |

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.8592 | 8.8062 | 8.5866 | 0.0151 | | 0.4296 | 0.4296 | | 0.3952 | 0.3952 | | 1,458.0339 | 1,458.0339 | 0.4716 | | 1,469.8228 |
| Total | 0.8592 | 8.8062 | 8.5866 | 0.0151 | | 0.4296 | 0.4296 | | 0.3952 | 0.3952 | | 1,458.0339 | 1,458.0339 | 0.4716 | | 1,469.8228 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0184 | 0.6141 | 0.2379 | 2.9800e-003 | 0.1025 | 3.0900e-003 | 0.1056 | 0.0295 | 2.9500e-003 | 0.0325 | | 320.4520 | 320.4520 | 0.0107 | 0.0461 | 334.4498 |
| Worker | 0.2049 | 0.1429 | 2.3192 | 6.3300e-003 | 0.7154 | 4.3200e-003 | 0.7197 | 0.1897 | 3.9700e-003 | 0.1937 | | 648.0722 | 648.0722 | 0.0161 | 0.0148 | 652.8774 |
| Total | 0.2234 | 0.7570 | 2.5571 | 9.3100e-003 | 0.8179 | 7.4100e-003 | 0.8253 | 0.2192 | 6.9200e-003 | 0.2262 | | 968.5241 | 968.5241 | 0.0269 | 0.0608 | 987.3271 |

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2023

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.8592 | 8.8062 | 8.5866 | 0.0151 | | 0.4296 | 0.4296 | | 0.3952 | 0.3952 | 0.0000 | 1,458.0339 | 1,458.0339 | 0.4716 | | 1,469.8228 |
| Total | 0.8592 | 8.8062 | 8.5866 | 0.0151 | | 0.4296 | 0.4296 | | 0.3952 | 0.3952 | 0.0000 | 1,458.0339 | 1,458.0339 | 0.4716 | | 1,469.8228 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0184 | 0.6141 | 0.2379 | 2.9800e-003 | 0.1025 | 3.0900e-003 | 0.1056 | 0.0295 | 2.9500e-003 | 0.0325 | | 320.4520 | 320.4520 | 0.0107 | 0.0461 | 334.4498 |
| Worker | 0.2049 | 0.1429 | 2.3192 | 6.3300e-003 | 0.7154 | 4.3200e-003 | 0.7197 | 0.1897 | 3.9700e-003 | 0.1937 | | 648.0722 | 648.0722 | 0.0161 | 0.0148 | 652.8774 |
| Total | 0.2234 | 0.7570 | 2.5571 | 9.3100e-003 | 0.8179 | 7.4100e-003 | 0.8253 | 0.2192 | 6.9200e-003 | 0.2262 | | 968.5241 | 968.5241 | 0.0269 | 0.0608 | 987.3271 |

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.8080 | 8.1678 | 8.5245 | 0.0151 | | 0.3808 | 0.3808 | | 0.3503 | 0.3503 | | 1,458.4025 | 1,458.4025 | 0.4717 | | 1,470.1944 |
| Total | 0.8080 | 8.1678 | 8.5245 | 0.0151 | | 0.3808 | 0.3808 | | 0.3503 | 0.3503 | | 1,458.4025 | 1,458.4025 | 0.4717 | | 1,470.1944 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0179 | 0.6154 | 0.2329 | 2.9300e-003 | 0.1025 | 3.1100e-003 | 0.1056 | 0.0295 | 2.9700e-003 | 0.0325 | | 315.6394 | 315.6394 | 0.0108 | 0.0454 | 329.4464 |
| Worker | 0.1910 | 0.1276 | 2.1587 | 6.1500e-003 | 0.7154 | 4.1400e-003 | 0.7195 | 0.1897 | 3.8100e-003 | 0.1935 | | 634.7129 | 634.7129 | 0.0146 | 0.0137 | 639.1714 |
| Total | 0.2089 | 0.7430 | 2.3916 | 9.0800e-003 | 0.8179 | 7.2500e-003 | 0.8251 | 0.2192 | 6.7800e-003 | 0.2260 | | 950.3523 | 950.3523 | 0.0254 | 0.0592 | 968.6178 |

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2024

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.8080 | 8.1678 | 8.5245 | 0.0151 | | 0.3808 | 0.3808 | | 0.3503 | 0.3503 | 0.0000 | 1,458.4025 | 1,458.4025 | 0.4717 | | 1,470.1944 |
| Total | 0.8080 | 8.1678 | 8.5245 | 0.0151 | | 0.3808 | 0.3808 | | 0.3503 | 0.3503 | 0.0000 | 1,458.4025 | 1,458.4025 | 0.4717 | | 1,470.1944 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0179 | 0.6154 | 0.2329 | 2.9300e-003 | 0.1025 | 3.1100e-003 | 0.1056 | 0.0295 | 2.9700e-003 | 0.0325 | | 315.6394 | 315.6394 | 0.0108 | 0.0454 | 329.4464 |
| Worker | 0.1910 | 0.1276 | 2.1587 | 6.1500e-003 | 0.7154 | 4.1400e-003 | 0.7195 | 0.1897 | 3.8100e-003 | 0.1935 | | 634.7129 | 634.7129 | 0.0146 | 0.0137 | 639.1714 |
| Total | 0.2089 | 0.7430 | 2.3916 | 9.0800e-003 | 0.8179 | 7.2500e-003 | 0.8251 | 0.2192 | 6.7800e-003 | 0.2260 | | 950.3523 | 950.3523 | 0.0254 | 0.0592 | 968.6178 |

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Architectural Coating - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 9.8423 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1808 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |
| Total | 10.0231 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0388 | 0.0259 | 0.4385 | 1.2500e-003 | 0.1453 | 8.4000e-004 | 0.1462 | 0.0385 | 7.7000e-004 | 0.0393 | | 128.9261 | 128.9261 | 2.9700e-003 | 2.7900e-003 | 129.8317 |
| Total | 0.0388 | 0.0259 | 0.4385 | 1.2500e-003 | 0.1453 | 8.4000e-004 | 0.1462 | 0.0385 | 7.7000e-004 | 0.0393 | | 128.9261 | 128.9261 | 2.9700e-003 | 2.7900e-003 | 129.8317 |

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Architectural Coating - 2024

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 9.8423 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1808 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | 0.0000 | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |
| Total | 10.0231 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | 0.0000 | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0388 | 0.0259 | 0.4385 | 1.2500e-003 | 0.1453 | 8.4000e-004 | 0.1462 | 0.0385 | 7.7000e-004 | 0.0393 | | 128.9261 | 128.9261 | 2.9700e-003 | 2.7900e-003 | 129.8317 |
| Total | 0.0388 | 0.0259 | 0.4385 | 1.2500e-003 | 0.1453 | 8.4000e-004 | 0.1462 | 0.0385 | 7.7000e-004 | 0.0393 | | 128.9261 | 128.9261 | 2.9700e-003 | 2.7900e-003 | 129.8317 |

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 1.3581 | 1.3249 | 13.2581 | 0.0290 | 3.0164 | 0.0208 | 3.0372 | 0.8035 | 0.0193 | 0.8228 | | 3,002.2058 | 3,002.2058 | 0.1978 | 0.1212 | 3,043.2588 |
| Unmitigated | 1.3581 | 1.3249 | 13.2581 | 0.0290 | 3.0164 | 0.0208 | 3.0372 | 0.8035 | 0.0193 | 0.8228 | | 3,002.2058 | 3,002.2058 | 0.1978 | 0.1212 | 3,043.2588 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|---------------|---------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Apartments Mid Rise | 228.99 | 228.99 | 228.99 | 782,494 | 782,494 |
| Regional Shopping Center | 256.27 | 256.27 | 256.27 | 650,228 | 650,228 |
| Unenclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | | |
| Total | 485.26 | 485.26 | 485.26 | 1,432,721 | 1,432,721 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|--------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Apartments Mid Rise | 14.70 | 5.90 | 8.70 | 40.20 | 19.20 | 40.60 | 86 | 11 | 3 |
| Regional Shopping Center | 16.60 | 8.40 | 6.90 | 16.30 | 64.70 | 19.00 | 65 | 35 | 0 |
| Unenclosed Parking with | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Apartments Mid Rise | 0.542464 | 0.063735 | 0.188241 | 0.126899 | 0.023249 | 0.006239 | 0.010717 | 0.008079 | 0.000923 | 0.000604 | 0.024795 | 0.000702 | 0.003352 |
| Regional Shopping Center | 0.542464 | 0.063735 | 0.188241 | 0.126899 | 0.023249 | 0.006239 | 0.010717 | 0.008079 | 0.000923 | 0.000604 | 0.024795 | 0.000702 | 0.003352 |
| Unenclosed Parking with Elevator | 0.542464 | 0.063735 | 0.188241 | 0.126899 | 0.023249 | 0.006239 | 0.010717 | 0.008079 | 0.000923 | 0.000604 | 0.024795 | 0.000702 | 0.003352 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

Install Energy Efficient Appliances

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0202 | 0.1729 | 0.0755 | 1.1000e-003 | | 0.0140 | 0.0140 | | 0.0140 | 0.0140 | | 220.3823 | 220.3823 | 4.2200e-003 | 4.0400e-003 | 221.6919 |
| NaturalGas Unmitigated | 0.0202 | 0.1729 | 0.0755 | 1.1000e-003 | | 0.0140 | 0.0140 | | 0.0140 | 0.0140 | | 220.3823 | 220.3823 | 4.2200e-003 | 4.0400e-003 | 221.6919 |

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Apartments Mid Rise | 1825.74 | 0.0197 | 0.1683 | 0.0716 | 1.0700e-003 | | 0.0136 | 0.0136 | | 0.0136 | 0.0136 | | 214.7933 | 214.7933 | 4.1200e-003 | 3.9400e-003 | 216.0697 |
| Regional Shopping Center | 47.5067 | 5.1000e-004 | 4.6600e-003 | 3.9100e-003 | 3.0000e-005 | | 3.5000e-004 | 3.5000e-004 | | 3.5000e-004 | 3.5000e-004 | | 5.5890 | 5.5890 | 1.1000e-004 | 1.0000e-004 | 5.6222 |
| Unenclosed Parking with Elevator | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0202 | 0.1729 | 0.0755 | 1.1000e-003 | | 0.0140 | 0.0140 | | 0.0140 | 0.0140 | | 220.3823 | 220.3823 | 4.2300e-003 | 4.0400e-003 | 221.6919 |

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Apartments Mid Rise | 1.82574 | 0.0197 | 0.1683 | 0.0716 | 1.0700e-003 | | 0.0136 | 0.0136 | | 0.0136 | 0.0136 | | 214.7933 | 214.7933 | 4.1200e-003 | 3.9400e-003 | 216.0697 |
| Regional Shopping Center | 0.0475067 | 5.1000e-004 | 4.6600e-003 | 3.9100e-003 | 3.0000e-005 | | 3.5000e-004 | 3.5000e-004 | | 3.5000e-004 | 3.5000e-004 | | 5.5890 | 5.5890 | 1.1000e-004 | 1.0000e-004 | 5.6222 |
| Unenclosed Parking with Elevator | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0202 | 0.1729 | 0.0755 | 1.1000e-003 | | 0.0140 | 0.0140 | | 0.0140 | 0.0140 | | 220.3823 | 220.3823 | 4.2300e-003 | 4.0400e-003 | 221.6919 |

6.0 Area Detail

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use only Natural Gas Hearths

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|--------|---------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|------------|--------|--------|------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 1.6956 | 0.7999 | 3.5286 | 5.0000e-003 | | 0.0790 | 0.0790 | | 0.0790 | 0.0790 | 0.0000 | 977.3178 | 977.3178 | 0.0225 | 0.0178 | 983.1899 |
| Unmitigated | 15.0304 | 1.1068 | 30.1561 | 0.0664 | | 3.9192 | 3.9192 | | 3.9192 | 3.9192 | 477.7128 | 925.6065 | 1,403.3194 | 1.4320 | 0.0324 | 1,448.7811 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-----------------|-----------------|-------------------|---------------|---------------|-------------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.1187 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 1.4202 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 13.3638 | 1.0582 | 25.9361 | 0.0662 | | 3.8958 | 3.8958 | | 3.8958 | 3.8958 | 477.7128 | 918.0000 | 1,395.7128 | 1.4246 | 0.0324 | 1,440.9909 |
| Landscaping | 0.1278 | 0.0486 | 4.2199 | 2.2000e-004 | | 0.0234 | 0.0234 | | 0.0234 | 0.0234 | | 7.6065 | 7.6065 | 7.3500e-003 | | 7.7902 |
| Total | 15.0304 | 1.1068 | 30.1561 | 0.0664 | | 3.9192 | 3.9192 | | 3.9192 | 3.9192 | 477.7128 | 925.6065 | 1,403.3194 | 1.4320 | 0.0324 | 1,448.7811 |

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.1187 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 1.4202 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 0.0891 | 0.7614 | 0.3240 | 4.8600e-003 | | 0.0616 | 0.0616 | | 0.0616 | 0.0616 | 0.0000 | 972.0000 | 972.0000 | 0.0186 | 0.0178 | 977.7761 |
| Landscaping | 0.0677 | 0.0385 | 3.2046 | 1.4000e-004 | | 0.0174 | 0.0174 | | 0.0174 | 0.0174 | | 5.3178 | 5.3178 | 3.8400e-003 | | 5.4138 |
| Total | 1.6956 | 0.7999 | 3.5286 | 5.0000e-003 | | 0.0790 | 0.0790 | | 0.0790 | 0.0790 | 0.0000 | 977.3178 | 977.3178 | 0.0225 | 0.0178 | 983.1899 |

7.0 Water Detail

7.1 Mitigation Measures Water

Use Water Efficient Irrigation System

205 E Valley Blvd - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

205 E Valley Blvd - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

205 E Valley Blvd

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|---------------|-------------|--------------------|------------|
| Unenclosed Parking with Elevator | 128.00 | Space | 0.00 | 55,886.00 | 0 |
| Apartments Mid Rise | 51.00 | Dwelling Unit | 0.45 | 60,088.00 | 146 |
| Regional Shopping Center | 10.64 | 1000sqft | 0.24 | 10,638.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 33 |
| Climate Zone | 9 | | | Operational Year | 2024 |
| Utility Company | Southern California Edison | | | | |
| CO2 Intensity (lb/MWhr) | 390.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - PER PD

Construction Phase - per AQ Questionnaire

Off-road Equipment -

Off-road Equipment - as a conservative analysis, the work hour is 8 hour per day.

Off-road Equipment - as a conservative analysis, the equipment will be use 8 hour per day.

Off-road Equipment - as a conservative analysis, the work hour is 8 hour per day.

Demolition - combined with grading

Grading - per AQ questionnaire

Architectural Coating - rule 1113

205 E Valley Blvd - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vehicle Trips - per traffic study

Area Coating - Rule 1113

Construction Off-road Equipment Mitigation - Rule 403

Mobile Land Use Mitigation -

Area Mitigation - SCAQMD Rule 445

Per Operation Questionnaire

Energy Mitigation - per operation questionnaire

Water Mitigation - per Operation Questionnaire

Waste Mitigation - per Operational Questionnaire

| Table Name | Column Name | Default Value | New Value |
|-------------------------|---------------------------------|---------------|-----------|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 100.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 100.00 | 50.00 |
| tblArchitecturalCoating | EF_Parking | 100.00 | 50.00 |
| tblAreaCoating | Area_EF_Nonresidential_Exterior | 100 | 50 |
| tblAreaCoating | Area_EF_Nonresidential_Interior | 100 | 50 |
| tblAreaCoating | Area_EF_Parking | 100 | 50 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 15 |
| tblConstructionPhase | NumDays | 5.00 | 44.00 |
| tblConstructionPhase | NumDays | 100.00 | 435.00 |
| tblConstructionPhase | NumDays | 10.00 | 22.00 |
| tblConstructionPhase | NumDays | 2.00 | 22.00 |
| tblConstructionPhase | PhaseEndDate | 10/11/2022 | 5/1/2024 |
| tblConstructionPhase | PhaseEndDate | 10/4/2022 | 2/29/2024 |
| tblConstructionPhase | PhaseEndDate | 5/13/2022 | 5/31/2022 |
| tblConstructionPhase | PhaseEndDate | 5/17/2022 | 6/30/2022 |
| tblConstructionPhase | PhaseStartDate | 10/5/2022 | 3/1/2024 |
| tblConstructionPhase | PhaseStartDate | 5/18/2022 | 7/1/2022 |
| tblConstructionPhase | PhaseStartDate | 5/14/2022 | 6/1/2022 |

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| | | | |
|---------------------|-------------------|-----------|-----------|
| tblGrading | MaterialExported | 0.00 | 24,000.00 |
| tblLandUse | LandUseSquareFeet | 51,200.00 | 55,886.00 |
| tblLandUse | LandUseSquareFeet | 51,000.00 | 60,088.00 |
| tblLandUse | LotAcreage | 1.15 | 0.00 |
| tblLandUse | LotAcreage | 1.34 | 0.45 |
| tblOffRoadEquipment | UsageHours | 4.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 1.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 8.00 |
| tblVehicleTrips | PB_TP | 11.00 | 0.00 |
| tblVehicleTrips | PR_TP | 54.00 | 65.00 |
| tblVehicleTrips | ST_TR | 4.91 | 4.49 |
| tblVehicleTrips | ST_TR | 46.12 | 24.09 |
| tblVehicleTrips | SU_TR | 4.09 | 4.49 |
| tblVehicleTrips | SU_TR | 21.10 | 24.09 |
| tblVehicleTrips | WD_TR | 5.44 | 4.49 |
| tblVehicleTrips | WD_TR | 37.75 | 24.09 |

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2022 | 0.1173 | 1.3009 | 1.0202 | 2.9900e-003 | 0.1598 | 0.0507 | 0.2105 | 0.0597 | 0.0468 | 0.1065 | 0.0000 | 276.9181 | 276.9181 | 0.0454 | 0.0187 | 283.6158 |
| 2023 | 0.1405 | 1.2496 | 1.4319 | 3.1400e-003 | 0.1043 | 0.0568 | 0.1611 | 0.0280 | 0.0523 | 0.0803 | 0.0000 | 283.2511 | 283.2511 | 0.0588 | 7.3300e-003 | 286.9061 |
| 2024 | 0.2437 | 0.2245 | 0.2865 | 6.2000e-004 | 0.0208 | 9.9000e-003 | 0.0307 | 5.5700e-003 | 9.2100e-003 | 0.0148 | 0.0000 | 55.6818 | 55.6818 | 0.0103 | 1.2700e-003 | 56.3165 |
| Maximum | 0.2437 | 1.3009 | 1.4319 | 3.1400e-003 | 0.1598 | 0.0568 | 0.2105 | 0.0597 | 0.0523 | 0.1065 | 0.0000 | 283.2511 | 283.2511 | 0.0588 | 0.0187 | 286.9061 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2022 | 0.1173 | 1.3009 | 1.0202 | 2.9900e-003 | 0.1099 | 0.0507 | 0.1606 | 0.0358 | 0.0468 | 0.0826 | 0.0000 | 276.9180 | 276.9180 | 0.0454 | 0.0187 | 283.6157 |
| 2023 | 0.1405 | 1.2496 | 1.4319 | 3.1400e-003 | 0.1043 | 0.0568 | 0.1611 | 0.0280 | 0.0523 | 0.0803 | 0.0000 | 283.2509 | 283.2509 | 0.0588 | 7.3300e-003 | 286.9059 |
| 2024 | 0.2437 | 0.2245 | 0.2865 | 6.2000e-004 | 0.0208 | 9.9000e-003 | 0.0307 | 5.5700e-003 | 9.2100e-003 | 0.0148 | 0.0000 | 55.6817 | 55.6817 | 0.0103 | 1.2700e-003 | 56.3164 |
| Maximum | 0.2437 | 1.3009 | 1.4319 | 3.1400e-003 | 0.1099 | 0.0568 | 0.1611 | 0.0358 | 0.0523 | 0.0826 | 0.0000 | 283.2509 | 283.2509 | 0.0588 | 0.0187 | 286.9059 |

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| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 17.52 | 0.00 | 12.41 | 25.57 | 0.00 | 11.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|------------|--|--|
| 1 | 5-1-2022 | 7-31-2022 | 0.7497 | 0.7497 |
| 2 | 8-1-2022 | 10-31-2022 | 0.3876 | 0.3876 |
| 3 | 11-1-2022 | 1-31-2023 | 0.3764 | 0.3764 |
| 4 | 2-1-2023 | 4-30-2023 | 0.3396 | 0.3396 |
| 5 | 5-1-2023 | 7-31-2023 | 0.3498 | 0.3498 |
| 6 | 8-1-2023 | 10-31-2023 | 0.3504 | 0.3504 |
| 7 | 11-1-2023 | 1-31-2024 | 0.3437 | 0.3437 |
| 8 | 2-1-2024 | 4-30-2024 | 0.3498 | 0.3498 |
| 9 | 5-1-2024 | 7-31-2024 | 0.0040 | 0.0040 |
| | | Highest | 0.7497 | 0.7497 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.4639 | 0.0193 | 0.8517 | 8.5000e-004 | | 0.0516 | 0.0516 | | 0.0516 | 0.0516 | 5.4172 | 11.2725 | 16.6897 | 0.0170 | 3.7000e-004 | 17.2240 |
| Energy | 3.6900e-003 | 0.0316 | 0.0138 | 2.0000e-004 | | 2.5500e-003 | 2.5500e-003 | | 2.5500e-003 | 2.5500e-003 | 0.0000 | 115.1882 | 115.1882 | 7.3400e-003 | 1.4700e-003 | 115.8110 |
| Mobile | 0.2381 | 0.2639 | 2.3894 | 5.1000e-003 | 0.5383 | 3.7800e-003 | 0.5421 | 0.1436 | 3.5100e-003 | 0.1471 | 0.0000 | 479.7550 | 479.7550 | 0.0335 | 0.0210 | 486.8532 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 7.0296 | 0.0000 | 7.0296 | 0.4154 | 0.0000 | 17.4155 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 1.3042 | 14.5724 | 15.8766 | 0.1352 | 3.3100e-003 | 20.2433 |
| Total | 0.7056 | 0.3147 | 3.2549 | 6.1500e-003 | 0.5383 | 0.0580 | 0.5962 | 0.1436 | 0.0577 | 0.2013 | 13.7510 | 620.7881 | 634.5390 | 0.6085 | 0.0262 | 657.5469 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.2904 | 0.0143 | 0.4046 | 8.0000e-005 | | 2.9400e-003 | 2.9400e-003 | | 2.9400e-003 | 2.9400e-003 | 0.0000 | 11.6253 | 11.6253 | 6.5000e-004 | 2.0000e-004 | 11.7017 |
| Energy | 3.6900e-003 | 0.0316 | 0.0138 | 2.0000e-004 | | 2.5500e-003 | 2.5500e-003 | | 2.5500e-003 | 2.5500e-003 | 0.0000 | 58.3110 | 58.3110 | 2.5400e-003 | 8.9000e-004 | 58.6404 |
| Mobile | 0.2381 | 0.2639 | 2.3894 | 5.1000e-003 | 0.5383 | 3.7800e-003 | 0.5421 | 0.1436 | 3.5100e-003 | 0.1471 | 0.0000 | 479.7550 | 479.7550 | 0.0335 | 0.0210 | 486.8532 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 6.3266 | 0.0000 | 6.3266 | 0.3739 | 0.0000 | 15.6739 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 1.3042 | 14.2626 | 15.5668 | 0.1352 | 3.3100e-003 | 19.9319 |
| Total | 0.5322 | 0.3097 | 2.8078 | 5.3800e-003 | 0.5383 | 9.2700e-003 | 0.5476 | 0.1436 | 9.0000e-003 | 0.1526 | 7.6309 | 563.9538 | 571.5847 | 0.5457 | 0.0254 | 592.8011 |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------------------|--------------|-------------|--------------|--------------|---------------|--------------|-------------|----------------|---------------|--------------|--------------|-------------|-------------|--------------|-------------|-------------|
| Percent Reduction | 24.58 | 1.58 | 13.74 | 12.52 | 0.00 | 84.00 | 8.16 | 0.00 | 84.40 | 24.19 | 44.51 | 9.16 | 9.92 | 10.31 | 2.87 | 9.85 |

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 5/1/2022 | 5/31/2022 | 5 | 22 | |
| 2 | Grading | Grading | 6/1/2022 | 6/30/2022 | 5 | 22 | |
| 3 | Building Construction | Building Construction | 7/1/2022 | 2/29/2024 | 5 | 435 | |

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| | | | | | | |
|---|-----------------------|-----------------------|----------|----------|---|----|
| 4 | Architectural Coating | Architectural Coating | 3/1/2024 | 5/1/2024 | 5 | 44 |
|---|-----------------------|-----------------------|----------|----------|---|----|

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 121,678; Residential Outdoor: 40,559; Non-Residential Indoor: 15,957; Non-Residential Outdoor: 5,319; Striped Parking Area: 3,353 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Demolition | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 8.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 8.00 | 89 | 0.20 |
| Building Construction | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 4 | 10.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 3 | 8.00 | 0.00 | 3,000.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 5 | 64.00 | 16.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 13.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

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3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0168 | 0.1644 | 0.1290 | 2.3000e-004 | | 8.2300e-003 | 8.2300e-003 | | 7.7000e-003 | 7.7000e-003 | 0.0000 | 20.1794 | 20.1794 | 4.9400e-003 | 0.0000 | 20.3028 |
| Total | 0.0168 | 0.1644 | 0.1290 | 2.3000e-004 | 0.0000 | 8.2300e-003 | 8.2300e-003 | 0.0000 | 7.7000e-003 | 7.7000e-003 | 0.0000 | 20.1794 | 20.1794 | 4.9400e-003 | 0.0000 | 20.3028 |

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3.2 Demolition - 2022

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.8000e-004 | 3.1000e-004 | 4.0800e-003 | 1.0000e-005 | 1.2100e-003 | 1.0000e-005 | 1.2100e-003 | 3.2000e-004 | 1.0000e-005 | 3.3000e-004 | 0.0000 | 0.9978 | 0.9978 | 3.0000e-005 | 3.0000e-005 | 1.0066 |
| Total | 3.8000e-004 | 3.1000e-004 | 4.0800e-003 | 1.0000e-005 | 1.2100e-003 | 1.0000e-005 | 1.2100e-003 | 3.2000e-004 | 1.0000e-005 | 3.3000e-004 | 0.0000 | 0.9978 | 0.9978 | 3.0000e-005 | 3.0000e-005 | 1.0066 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0168 | 0.1644 | 0.1290 | 2.3000e-004 | | 8.2300e-003 | 8.2300e-003 | | 7.7000e-003 | 7.7000e-003 | 0.0000 | 20.1794 | 20.1794 | 4.9400e-003 | 0.0000 | 20.3028 |
| Total | 0.0168 | 0.1644 | 0.1290 | 2.3000e-004 | 0.0000 | 8.2300e-003 | 8.2300e-003 | 0.0000 | 7.7000e-003 | 7.7000e-003 | 0.0000 | 20.1794 | 20.1794 | 4.9400e-003 | 0.0000 | 20.3028 |

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3.2 Demolition - 2022

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.8000e-004 | 3.1000e-004 | 4.0800e-003 | 1.0000e-005 | 1.2100e-003 | 1.0000e-005 | 1.2100e-003 | 3.2000e-004 | 1.0000e-005 | 3.3000e-004 | 0.0000 | 0.9978 | 0.9978 | 3.0000e-005 | 3.0000e-005 | 1.0066 |
| Total | 3.8000e-004 | 3.1000e-004 | 4.0800e-003 | 1.0000e-005 | 1.2100e-003 | 1.0000e-005 | 1.2100e-003 | 3.2000e-004 | 1.0000e-005 | 3.3000e-004 | 0.0000 | 0.9978 | 0.9978 | 3.0000e-005 | 3.0000e-005 | 1.0066 |

3.3 Grading - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0793 | 0.0000 | 0.0793 | 0.0379 | 0.0000 | 0.0379 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0156 | 0.1730 | 0.0830 | 2.0000e-004 | | 7.4200e-003 | 7.4200e-003 | | 6.8300e-003 | 6.8300e-003 | 0.0000 | 17.6584 | 17.6584 | 5.7100e-003 | 0.0000 | 17.8012 |
| Total | 0.0156 | 0.1730 | 0.0830 | 2.0000e-004 | 0.0793 | 7.4200e-003 | 0.0867 | 0.0379 | 6.8300e-003 | 0.0447 | 0.0000 | 17.6584 | 17.6584 | 5.7100e-003 | 0.0000 | 17.8012 |

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3.3 Grading - 2022

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 6.9200e-003 | 0.2653 | 0.0592 | 9.3000e-004 | 0.0258 | 1.8700e-003 | 0.0277 | 7.0900e-003 | 1.7900e-003 | 8.8800e-003 | 0.0000 | 92.6498 | 92.6498 | 4.9200e-003 | 0.0147 | 97.1535 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.0000e-004 | 2.5000e-004 | 3.2700e-003 | 1.0000e-005 | 9.6000e-004 | 1.0000e-005 | 9.7000e-004 | 2.6000e-004 | 1.0000e-005 | 2.6000e-004 | 0.0000 | 0.7982 | 0.7982 | 2.0000e-005 | 2.0000e-005 | 0.8053 |
| Total | 7.2200e-003 | 0.2656 | 0.0624 | 9.4000e-004 | 0.0268 | 1.8800e-003 | 0.0287 | 7.3500e-003 | 1.8000e-003 | 9.1400e-003 | 0.0000 | 93.4480 | 93.4480 | 4.9400e-003 | 0.0147 | 97.9588 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0294 | 0.0000 | 0.0294 | 0.0140 | 0.0000 | 0.0140 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0156 | 0.1730 | 0.0830 | 2.0000e-004 | | 7.4200e-003 | 7.4200e-003 | | 6.8300e-003 | 6.8300e-003 | 0.0000 | 17.6584 | 17.6584 | 5.7100e-003 | 0.0000 | 17.8012 |
| Total | 0.0156 | 0.1730 | 0.0830 | 2.0000e-004 | 0.0294 | 7.4200e-003 | 0.0368 | 0.0140 | 6.8300e-003 | 0.0209 | 0.0000 | 17.6584 | 17.6584 | 5.7100e-003 | 0.0000 | 17.8012 |

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3.3 Grading - 2022

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 6.9200e-003 | 0.2653 | 0.0592 | 9.3000e-004 | 0.0258 | 1.8700e-003 | 0.0277 | 7.0900e-003 | 1.7900e-003 | 8.8800e-003 | 0.0000 | 92.6498 | 92.6498 | 4.9200e-003 | 0.0147 | 97.1535 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.0000e-004 | 2.5000e-004 | 3.2700e-003 | 1.0000e-005 | 9.6000e-004 | 1.0000e-005 | 9.7000e-004 | 2.6000e-004 | 1.0000e-005 | 2.6000e-004 | 0.0000 | 0.7982 | 0.7982 | 2.0000e-005 | 2.0000e-005 | 0.8053 |
| Total | 7.2200e-003 | 0.2656 | 0.0624 | 9.4000e-004 | 0.0268 | 1.8800e-003 | 0.0287 | 7.3500e-003 | 1.8000e-003 | 9.1400e-003 | 0.0000 | 93.4480 | 93.4480 | 4.9400e-003 | 0.0147 | 97.9588 |

3.4 Building Construction - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0609 | 0.6318 | 0.5683 | 9.9000e-004 | | 0.0323 | 0.0323 | | 0.0298 | 0.0298 | 0.0000 | 86.5978 | 86.5978 | 0.0280 | 0.0000 | 87.2980 |
| Total | 0.0609 | 0.6318 | 0.5683 | 9.9000e-004 | | 0.0323 | 0.0323 | | 0.0298 | 0.0298 | 0.0000 | 86.5978 | 86.5978 | 0.0280 | 0.0000 | 87.2980 |

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3.4 Building Construction - 2022

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 2.0500e-003 | 0.0539 | 0.0179 | 2.1000e-004 | 6.6000e-003 | 4.9000e-004 | 7.0900e-003 | 1.9100e-003 | 4.7000e-004 | 2.3700e-003 | 0.0000 | 20.0124 | 20.0124 | 6.7000e-004 | 2.8900e-003 | 20.8893 |
| Worker | 0.0144 | 0.0120 | 0.1556 | 4.1000e-004 | 0.0459 | 3.0000e-004 | 0.0462 | 0.0122 | 2.8000e-004 | 0.0125 | 0.0000 | 38.0244 | 38.0244 | 1.0800e-003 | 1.0300e-003 | 38.3592 |
| Total | 0.0164 | 0.0659 | 0.1735 | 6.2000e-004 | 0.0525 | 7.9000e-004 | 0.0533 | 0.0141 | 7.5000e-004 | 0.0149 | 0.0000 | 58.0368 | 58.0368 | 1.7500e-003 | 3.9200e-003 | 59.2485 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0609 | 0.6318 | 0.5683 | 9.9000e-004 | | 0.0323 | 0.0323 | | 0.0298 | 0.0298 | 0.0000 | 86.5977 | 86.5977 | 0.0280 | 0.0000 | 87.2979 |
| Total | 0.0609 | 0.6318 | 0.5683 | 9.9000e-004 | | 0.0323 | 0.0323 | | 0.0298 | 0.0298 | 0.0000 | 86.5977 | 86.5977 | 0.0280 | 0.0000 | 87.2979 |

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3.4 Building Construction - 2022

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 2.0500e-003 | 0.0539 | 0.0179 | 2.1000e-004 | 6.6000e-003 | 4.9000e-004 | 7.0900e-003 | 1.9100e-003 | 4.7000e-004 | 2.3700e-003 | 0.0000 | 20.0124 | 20.0124 | 6.7000e-004 | 2.8900e-003 | 20.8893 |
| Worker | 0.0144 | 0.0120 | 0.1556 | 4.1000e-004 | 0.0459 | 3.0000e-004 | 0.0462 | 0.0122 | 2.8000e-004 | 0.0125 | 0.0000 | 38.0244 | 38.0244 | 1.0800e-003 | 1.0300e-003 | 38.3592 |
| Total | 0.0164 | 0.0659 | 0.1735 | 6.2000e-004 | 0.0525 | 7.9000e-004 | 0.0533 | 0.0141 | 7.5000e-004 | 0.0149 | 0.0000 | 58.0368 | 58.0368 | 1.7500e-003 | 3.9200e-003 | 59.2485 |

3.4 Building Construction - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.1117 | 1.1448 | 1.1163 | 1.9600e-003 | | 0.0558 | 0.0558 | | 0.0514 | 0.0514 | 0.0000 | 171.9518 | 171.9518 | 0.0556 | 0.0000 | 173.3421 |
| Total | 0.1117 | 1.1448 | 1.1163 | 1.9600e-003 | | 0.0558 | 0.0558 | | 0.0514 | 0.0514 | 0.0000 | 171.9518 | 171.9518 | 0.0556 | 0.0000 | 173.3421 |

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3.4 Building Construction - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 2.3500e-003 | 0.0838 | 0.0314 | 3.9000e-004 | 0.0131 | 4.0000e-004 | 0.0135 | 3.7800e-003 | 3.8000e-004 | 4.1700e-003 | 0.0000 | 37.8190 | 37.8190 | 1.2600e-003 | 5.4400e-003 | 39.4726 |
| Worker | 0.0264 | 0.0210 | 0.2842 | 7.9000e-004 | 0.0912 | 5.6000e-004 | 0.0917 | 0.0242 | 5.2000e-004 | 0.0247 | 0.0000 | 73.4803 | 73.4803 | 1.9300e-003 | 1.8900e-003 | 74.0915 |
| Total | 0.0288 | 0.1048 | 0.3156 | 1.1800e-003 | 0.1043 | 9.6000e-004 | 0.1052 | 0.0280 | 9.0000e-004 | 0.0289 | 0.0000 | 111.2993 | 111.2993 | 3.1900e-003 | 7.3300e-003 | 113.5640 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.1117 | 1.1448 | 1.1163 | 1.9600e-003 | | 0.0558 | 0.0558 | | 0.0514 | 0.0514 | 0.0000 | 171.9516 | 171.9516 | 0.0556 | 0.0000 | 173.3419 |
| Total | 0.1117 | 1.1448 | 1.1163 | 1.9600e-003 | | 0.0558 | 0.0558 | | 0.0514 | 0.0514 | 0.0000 | 171.9516 | 171.9516 | 0.0556 | 0.0000 | 173.3419 |

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3.4 Building Construction - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 2.3500e-003 | 0.0838 | 0.0314 | 3.9000e-004 | 0.0131 | 4.0000e-004 | 0.0135 | 3.7800e-003 | 3.8000e-004 | 4.1700e-003 | 0.0000 | 37.8190 | 37.8190 | 1.2600e-003 | 5.4400e-003 | 39.4726 |
| Worker | 0.0264 | 0.0210 | 0.2842 | 7.9000e-004 | 0.0912 | 5.6000e-004 | 0.0917 | 0.0242 | 5.2000e-004 | 0.0247 | 0.0000 | 73.4803 | 73.4803 | 1.9300e-003 | 1.8900e-003 | 74.0915 |
| Total | 0.0288 | 0.1048 | 0.3156 | 1.1800e-003 | 0.1043 | 9.6000e-004 | 0.1052 | 0.0280 | 9.0000e-004 | 0.0289 | 0.0000 | 111.2993 | 111.2993 | 3.1900e-003 | 7.3300e-003 | 113.5640 |

3.4 Building Construction - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0178 | 0.1797 | 0.1875 | 3.3000e-004 | | 8.3800e-003 | 8.3800e-003 | | 7.7100e-003 | 7.7100e-003 | 0.0000 | 29.1069 | 29.1069 | 9.4100e-003 | 0.0000 | 29.3422 |
| Total | 0.0178 | 0.1797 | 0.1875 | 3.3000e-004 | | 8.3800e-003 | 8.3800e-003 | | 7.7100e-003 | 7.7100e-003 | 0.0000 | 29.1069 | 29.1069 | 9.4100e-003 | 0.0000 | 29.3422 |

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3.4 Building Construction - 2024

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 3.9000e-004 | 0.0142 | 5.2000e-003 | 6.0000e-005 | 2.2200e-003 | 7.0000e-005 | 2.2900e-003 | 6.4000e-004 | 7.0000e-005 | 7.1000e-004 | 0.0000 | 6.3041 | 6.3041 | 2.1000e-004 | 9.1000e-004 | 6.5801 |
| Worker | 4.1700e-003 | 3.1700e-003 | 0.0448 | 1.3000e-004 | 0.0154 | 9.0000e-005 | 0.0155 | 4.1000e-003 | 8.0000e-005 | 4.1800e-003 | 0.0000 | 12.1796 | 12.1796 | 3.0000e-004 | 3.0000e-004 | 12.2756 |
| Total | 4.5600e-003 | 0.0174 | 0.0500 | 1.9000e-004 | 0.0177 | 1.6000e-004 | 0.0178 | 4.7400e-003 | 1.5000e-004 | 4.8900e-003 | 0.0000 | 18.4837 | 18.4837 | 5.1000e-004 | 1.2100e-003 | 18.8557 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0178 | 0.1797 | 0.1875 | 3.3000e-004 | | 8.3800e-003 | 8.3800e-003 | | 7.7100e-003 | 7.7100e-003 | 0.0000 | 29.1069 | 29.1069 | 9.4100e-003 | 0.0000 | 29.3422 |
| Total | 0.0178 | 0.1797 | 0.1875 | 3.3000e-004 | | 8.3800e-003 | 8.3800e-003 | | 7.7100e-003 | 7.7100e-003 | 0.0000 | 29.1069 | 29.1069 | 9.4100e-003 | 0.0000 | 29.3422 |

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3.4 Building Construction - 2024

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 3.9000e-004 | 0.0142 | 5.2000e-003 | 6.0000e-005 | 2.2200e-003 | 7.0000e-005 | 2.2900e-003 | 6.4000e-004 | 7.0000e-005 | 7.1000e-004 | 0.0000 | 6.3041 | 6.3041 | 2.1000e-004 | 9.1000e-004 | 6.5801 |
| Worker | 4.1700e-003 | 3.1700e-003 | 0.0448 | 1.3000e-004 | 0.0154 | 9.0000e-005 | 0.0155 | 4.1000e-003 | 8.0000e-005 | 4.1800e-003 | 0.0000 | 12.1796 | 12.1796 | 3.0000e-004 | 3.0000e-004 | 12.2756 |
| Total | 4.5600e-003 | 0.0174 | 0.0500 | 1.9000e-004 | 0.0177 | 1.6000e-004 | 0.0178 | 4.7400e-003 | 1.5000e-004 | 4.8900e-003 | 0.0000 | 18.4837 | 18.4837 | 5.1000e-004 | 1.2100e-003 | 18.8557 |

3.5 Architectural Coating - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.2165 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.9800e-003 | 0.0268 | 0.0398 | 7.0000e-005 | | 1.3400e-003 | 1.3400e-003 | | 1.3400e-003 | 1.3400e-003 | 0.0000 | 5.6172 | 5.6172 | 3.2000e-004 | 0.0000 | 5.6251 |
| Total | 0.2205 | 0.0268 | 0.0398 | 7.0000e-005 | | 1.3400e-003 | 1.3400e-003 | | 1.3400e-003 | 1.3400e-003 | 0.0000 | 5.6172 | 5.6172 | 3.2000e-004 | 0.0000 | 5.6251 |

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3.5 Architectural Coating - 2024

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 8.5000e-004 | 6.4000e-004 | 9.1000e-003 | 3.0000e-005 | 3.1300e-003 | 2.0000e-005 | 3.1500e-003 | 8.3000e-004 | 2.0000e-005 | 8.5000e-004 | 0.0000 | 2.4740 | 2.4740 | 6.0000e-005 | 6.0000e-005 | 2.4935 |
| Total | 8.5000e-004 | 6.4000e-004 | 9.1000e-003 | 3.0000e-005 | 3.1300e-003 | 2.0000e-005 | 3.1500e-003 | 8.3000e-004 | 2.0000e-005 | 8.5000e-004 | 0.0000 | 2.4740 | 2.4740 | 6.0000e-005 | 6.0000e-005 | 2.4935 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.2165 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.9800e-003 | 0.0268 | 0.0398 | 7.0000e-005 | | 1.3400e-003 | 1.3400e-003 | | 1.3400e-003 | 1.3400e-003 | 0.0000 | 5.6172 | 5.6172 | 3.2000e-004 | 0.0000 | 5.6251 |
| Total | 0.2205 | 0.0268 | 0.0398 | 7.0000e-005 | | 1.3400e-003 | 1.3400e-003 | | 1.3400e-003 | 1.3400e-003 | 0.0000 | 5.6172 | 5.6172 | 3.2000e-004 | 0.0000 | 5.6251 |

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3.5 Architectural Coating - 2024

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 8.5000e-004 | 6.4000e-004 | 9.1000e-003 | 3.0000e-005 | 3.1300e-003 | 2.0000e-005 | 3.1500e-003 | 8.3000e-004 | 2.0000e-005 | 8.5000e-004 | 0.0000 | 2.4740 | 2.4740 | 6.0000e-005 | 6.0000e-005 | 2.4935 |
| Total | 8.5000e-004 | 6.4000e-004 | 9.1000e-003 | 3.0000e-005 | 3.1300e-003 | 2.0000e-005 | 3.1500e-003 | 8.3000e-004 | 2.0000e-005 | 8.5000e-004 | 0.0000 | 2.4740 | 2.4740 | 6.0000e-005 | 6.0000e-005 | 2.4935 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

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| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.2381 | 0.2639 | 2.3894 | 5.1000e-003 | 0.5383 | 3.7800e-003 | 0.5421 | 0.1436 | 3.5100e-003 | 0.1471 | 0.0000 | 479.7550 | 479.7550 | 0.0335 | 0.0210 | 486.8532 |
| Unmitigated | 0.2381 | 0.2639 | 2.3894 | 5.1000e-003 | 0.5383 | 3.7800e-003 | 0.5421 | 0.1436 | 3.5100e-003 | 0.1471 | 0.0000 | 479.7550 | 479.7550 | 0.0335 | 0.0210 | 486.8532 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|---------------|---------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Apartments Mid Rise | 228.99 | 228.99 | 228.99 | 782,494 | 782,494 |
| Regional Shopping Center | 256.27 | 256.27 | 256.27 | 650,228 | 650,228 |
| Unenclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | | |
| Total | 485.26 | 485.26 | 485.26 | 1,432,721 | 1,432,721 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|--------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Apartments Mid Rise | 14.70 | 5.90 | 8.70 | 40.20 | 19.20 | 40.60 | 86 | 11 | 3 |
| Regional Shopping Center | 16.60 | 8.40 | 6.90 | 16.30 | 64.70 | 19.00 | 65 | 35 | 0 |
| Unenclosed Parking with | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Apartments Mid Rise | 0.542464 | 0.063735 | 0.188241 | 0.126899 | 0.023249 | 0.006239 | 0.010717 | 0.008079 | 0.000923 | 0.000604 | 0.024795 | 0.000702 | 0.003352 |
| Regional Shopping Center | 0.542464 | 0.063735 | 0.188241 | 0.126899 | 0.023249 | 0.006239 | 0.010717 | 0.008079 | 0.000923 | 0.000604 | 0.024795 | 0.000702 | 0.003352 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| | | | | | | | | | | | | | |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Unenclosed Parking with Elevator | 0.542464 | 0.063735 | 0.188241 | 0.126899 | 0.023249 | 0.006239 | 0.010717 | 0.008079 | 0.000923 | 0.000604 | 0.024795 | 0.000702 | 0.003352 |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

Install Energy Efficient Appliances

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-------------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|---------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 21.8242 | 21.8242 | 1.8400e-003 | 2.2000e-004 | 21.9368 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 78.7014 | 78.7014 | 6.6400e-003 | 8.1000e-004 | 79.1074 |
| NaturalGas Mitigated | 3.6900e-003 | 0.0316 | 0.0138 | 2.0000e-004 | | 2.5500e-003 | 2.5500e-003 | | 2.5500e-003 | 2.5500e-003 | 0.0000 | 36.4868 | 36.4868 | 7.0000e-004 | 6.7000e-004 | 36.7036 |
| NaturalGas Unmitigated | 3.6900e-003 | 0.0316 | 0.0138 | 2.0000e-004 | | 2.5500e-003 | 2.5500e-003 | | 2.5500e-003 | 2.5500e-003 | 0.0000 | 36.4868 | 36.4868 | 7.0000e-004 | 6.7000e-004 | 36.7036 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - Natural Gas

Unmitigated

| | Natural Gas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|-----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Apartments Mid Rise | 666396 | 3.5900e-003 | 0.0307 | 0.0131 | 2.0000e-004 | | 2.4800e-003 | 2.4800e-003 | | 2.4800e-003 | 2.4800e-003 | 0.0000 | 35.5614 | 35.5614 | 6.8000e-004 | 6.5000e-004 | 35.7728 |
| Regional Shopping Center | 17339.9 | 9.0000e-005 | 8.5000e-004 | 7.1000e-004 | 1.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | 0.0000 | 0.9253 | 0.9253 | 2.0000e-005 | 2.0000e-005 | 0.9308 |
| Unenclosed Parking with Elevator | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 3.6800e-003 | 0.0316 | 0.0138 | 2.1000e-004 | | 2.5400e-003 | 2.5400e-003 | | 2.5400e-003 | 2.5400e-003 | 0.0000 | 36.4868 | 36.4868 | 7.0000e-004 | 6.7000e-004 | 36.7036 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - Natural Gas

Mitigated

| | Natural Gas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|-----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Apartments Mid Rise | 666396 | 3.5900e-003 | 0.0307 | 0.0131 | 2.0000e-004 | | 2.4800e-003 | 2.4800e-003 | | 2.4800e-003 | 2.4800e-003 | 0.0000 | 35.5614 | 35.5614 | 6.8000e-004 | 6.5000e-004 | 35.7728 |
| Regional Shopping Center | 17339.9 | 9.0000e-005 | 8.5000e-004 | 7.1000e-004 | 1.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | 0.0000 | 0.9253 | 0.9253 | 2.0000e-005 | 2.0000e-005 | 0.9308 |
| Unenclosed Parking with Elevator | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 3.6800e-003 | 0.0316 | 0.0138 | 2.1000e-004 | | 2.5400e-003 | 2.5400e-003 | | 2.5400e-003 | 2.5400e-003 | 0.0000 | 36.4868 | 36.4868 | 7.0000e-004 | 6.7000e-004 | 36.7036 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|-----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Apartments Mid Rise | 196317 | 34.8159 | 2.9400e-003 | 3.6000e-004 | 34.9955 |
| Regional Shopping Center | 139039 | 24.6579 | 2.0800e-003 | 2.5000e-004 | 24.7851 |
| Unenclosed Parking with Elevator | 108419 | 19.2276 | 1.6200e-003 | 2.0000e-004 | 19.3268 |
| Total | | 78.7014 | 6.6400e-003 | 8.1000e-004 | 79.1074 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|-----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Apartments Mid Rise | 85802.8 | 15.2167 | 1.2800e-003 | 1.6000e-004 | 15.2952 |
| Regional Shopping Center | 33938.7 | 6.0189 | 5.1000e-004 | 6.0000e-005 | 6.0499 |
| Unenclosed Parking with Elevator | 3318.84 | 0.5886 | 5.0000e-005 | 1.0000e-005 | 0.5916 |
| Total | | 21.8242 | 1.8400e-003 | 2.3000e-004 | 21.9368 |

6.0 Area Detail

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use only Natural Gas Hearths

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|---------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.2904 | 0.0143 | 0.4046 | 8.0000e-005 | | 2.9400e-003 | 2.9400e-003 | | 2.9400e-003 | 2.9400e-003 | 0.0000 | 11.6253 | 11.6253 | 6.5000e-004 | 2.0000e-004 | 11.7017 |
| Unmitigated | 0.4639 | 0.0193 | 0.8517 | 8.5000e-004 | | 0.0516 | 0.0516 | | 0.0516 | 0.0516 | 5.4172 | 11.2725 | 16.6897 | 0.0170 | 3.7000e-004 | 17.2240 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|--------------------|----------------|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0217 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.2592 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hearth | 0.1671 | 0.0132 | 0.3242 | 8.3000e-004 | | 0.0487 | 0.0487 | | 0.0487 | 0.0487 | 5.4172 | 10.4099 | 15.8271 | 0.0162 | 3.7000e-004 | 16.3406 |
| Landscaping | 0.0160 | 6.0700e-003 | 0.5275 | 3.0000e-005 | | 2.9200e-003 | 2.9200e-003 | | 2.9200e-003 | 2.9200e-003 | 0.0000 | 0.8626 | 0.8626 | 8.3000e-004 | 0.0000 | 0.8834 |
| Total | 0.4639 | 0.0193 | 0.8517 | 8.6000e-004 | | 0.0516 | 0.0516 | | 0.0516 | 0.0516 | 5.4172 | 11.2725 | 16.6897 | 0.0170 | 3.7000e-004 | 17.2240 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0217 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.2592 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hearth | 1.1100e-003 | 9.5200e-003 | 4.0500e-003 | 6.0000e-005 | | 7.7000e-004 | 7.7000e-004 | | 7.7000e-004 | 7.7000e-004 | 0.0000 | 11.0223 | 11.0223 | 2.1000e-004 | 2.0000e-004 | 11.0878 |
| Landscaping | 8.4600e-003 | 4.8100e-003 | 0.4006 | 2.0000e-005 | | 2.1700e-003 | 2.1700e-003 | | 2.1700e-003 | 2.1700e-003 | 0.0000 | 0.6030 | 0.6030 | 4.4000e-004 | 0.0000 | 0.6139 |
| Total | 0.2904 | 0.0143 | 0.4046 | 8.0000e-005 | | 2.9400e-003 | 2.9400e-003 | | 2.9400e-003 | 2.9400e-003 | 0.0000 | 11.6253 | 11.6253 | 6.5000e-004 | 2.0000e-004 | 11.7017 |

7.0 Water Detail

7.1 Mitigation Measures Water

Use Water Efficient Irrigation System

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|-------------|---------|
| Category | MT/yr | | | |
| Mitigated | 15.5668 | 0.1352 | 3.3100e-003 | 19.9319 |
| Unmitigated | 15.8766 | 0.1352 | 3.3100e-003 | 20.2433 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|---------------------|----------------|---------------|--------------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| Apartments Mid Rise | 3.32286 / 2.09484 | 12.8549 | 0.1093 | 2.6800e-003 | 16.3845 |
| Regional Shopping Center | 0.788132 / 0.483048 | 3.0218 | 0.0259 | 6.3000e-004 | 3.8588 |
| Unenclosed Parking with Elevator | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 15.8766 | 0.1352 | 3.3100e-003 | 20.2433 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|---------------------|----------------|---------------|--------------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| Apartments Mid Rise | 3.32286 / 1.96706 | 12.6031 | 0.1093 | 2.6700e-003 | 16.1314 |
| Regional Shopping Center | 0.788132 / 0.453582 | 2.9637 | 0.0259 | 6.3000e-004 | 3.8004 |
| Unenclosed Parking with Elevator | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 15.5668 | 0.1352 | 3.3000e-003 | 19.9319 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|---------|
| | MT/yr | | | |
| Mitigated | 6.3266 | 0.3739 | 0.0000 | 15.6739 |
| Unmitigated | 7.0296 | 0.4154 | 0.0000 | 17.4155 |

8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|---------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| Apartments Mid Rise | 23.46 | 4.7622 | 0.2814 | 0.0000 | 11.7981 |
| Regional Shopping Center | 11.17 | 2.2674 | 0.1340 | 0.0000 | 5.6174 |
| Unenclosed Parking with Elevator | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 7.0296 | 0.4154 | 0.0000 | 17.4155 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|---------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| Apartments Mid Rise | 21.114 | 4.2860 | 0.2533 | 0.0000 | 10.6183 |
| Regional Shopping Center | 10.053 | 2.0407 | 0.1206 | 0.0000 | 5.0557 |
| Unenclosed Parking with Elevator | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 6.3266 | 0.3739 | 0.0000 | 15.6739 |

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

11.0 Vegetation

**205 East Valley Boulevard Project
Energy Calculations**

| Land Use | Natural Gas Use | | Electricity Use | |
|----------------------------------|-----------------|--------------|-----------------|------------|
| | (kBTU/yr) | (Therms) | (kWh/yr) | (MWh/yr) |
| Apartments Mid Rise | 666,396 | 6,664 | 85,803 | 86 |
| Regional Shopping Center | 17,340 | 173 | 33,939 | 34 |
| Unenclosed Parking with Elevator | 0 | 0 | 3,319 | 3 |
| Totals | 683,736 | 6,837 | 123,060 | 123 |

1 kBTU = 0.01 therms

| Energy Type | Project Annual Energy Consumption | Los Angeles County Annual Energy Consumption (2019) | Percentage Increase Countywide |
|----------------------|---|---|-----------------------------------|
| Electricity (MWh) | 123 | 66,118,673 | 0.0002% |
| Natural Gas (Therms) | 6,837 | 3,048,320,959 | 0.0002% |

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

**205 East Valley Boulevard Project
Energy Calculations**

| Vehicle Type | Percent of Vehicle Trips¹ | Daily Trips² | Annual Vehicle Miles Traveled | Average Fuel Economy (miles per gallon)³ | Total Annual Fuel Consumption (gallons)⁴ |
|--|---|--------------------------------|--------------------------------------|--|--|
| Passenger Cars | 0.54 | 264 | 780,661 | 22 | 35,485 |
| Light/Medium Trucks | 0.39 | 190 | 560,068 | 17.3 | 32,374 |
| Heavy Trucks/Other | 0.06 | 31 | 91,994 | 6.4 | 14,374 |
| TOTAL⁶ | 1.00 | 485 | 1,432,721 | -- | 82,232 |
| Notes: | | | | | |
| 1. Percent of Vehicle Trip distribution based on trip characteristics within the CalEEMod model. | | | | | |
| 2. Daily Trips taken from ITE manual. | | | | | |
| 3. Average fuel economy derived from the Department of Transportation. | | | | | |
| 4. Total Daily Fuel Consumption calculated by dividing the daily VMT by the average fuel economy (i.e., VMT/Average Fuel Economy). | | | | | |
| 5. Values may be slightly off due to rounding. | | | | | |
| Source: Refer to CalEEMod outputs for assumptions used in this analysis. | | | | | |

County On-Road
2024
3,845,945,898
0.0021%

**205 East Valley Boulevard Project
Energy Calculations**

| WORKER TRIPS | | | | | | |
|---|----------------------------------|------------------------|----------------------------|------------------|---|-------------------------------|
| Phase | Phase Length (# days) | # Worker Trips | Worker Trip Length | Total VMT | Fuel Consumption Factor (Miles/Gallon/Day) | Total Fuel Consumption |
| Demolition | 22 | 10 | 14.7 | 3234 | | 129.86 |
| Grading | 22 | 8 | 14.7 | 2587 | | 103.89 |
| Building Construction | 435 | 64 | 14.7 | 409248 | 24.90284233 | 16433.79 |
| Architectural Coating | 44 | 13 | 14.7 | 8408 | | 337.65 |
| | | | | | | 17005.19 |
| VENDOR TRIPS | | | | | | |
| Phase | Phase Length (# days) | # Vendor Trips | Vendor Trip Length | Total VMT | Fuel Consumption Factor (Miles/Gallon/Day) | Total Fuel Consumption |
| Demolition | 22 | 0 | 6.9 | 0 | | 0.00 |
| Grading | 22 | 0 | 6.9 | 0 | | 0.00 |
| Building Construction | 435 | 16 | 6.9 | 110 | 8.343886151 | 13.23 |
| Architectural Coating | 44 | 0 | 6.9 | 0 | | 0.00 |
| | | | | | | 13.23 |
| HAULING TRIPS | | | | | | |
| Phase | Phase Length (# days) | # Hauling Trips | Hauling Trip Length | Total VMT | Fuel Consumption Factor (Miles/Gallon/Day)¹ | Total Fuel Consumption |
| Demolition | 22 | 0 | 20 | 0 | | 0.00 |
| Grading | 22 | 3000 | 20 | 60000 | | 7190.89 |
| Building Construction | 435 | 0 | 20 | 0 | 8.343886151 | 0.00 |
| Architectural Coating | 44 | 0 | 20 | 0 | | 0.00 |
| | | | | | | 7190.89 |
| TOTAL OFF-SITE MOBILE GALLONS CONSUMED DURING CONSTRUCTION | | | | | | 24,209.32 |

**205 East Valley Boulevard Project
Energy Calculations**

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor | Fuel Consumption Rate (gallons per hour) | Duration (total hours/day) | # days | Total Fuel Consumption (gallons) |
|--|---------------------------|--------|-------------|-------------|-------------|---|-------------------------------|--------|--|
| Demolition | Concrete/Industrial Saws | 1 | 8 | 81 | 0.73 | 2.3652 | 8 | 22 | 416.28 |
| Demolition | Rubber Tired Dozers | 1 | 8 | 247 | 0.40 | 3.952 | 8 | 22 | 695.55 |
| Demolition | Tractors/Loaders/Backhoes | 2 | 8 | 97 | 0.37 | 1.4356 | 16 | 22 | 505.33 |
| Grading | Graders | 1 | 8 | 187 | 0.41 | 3.0668 | 8 | 22 | 539.76 |
| Grading | Rubber Tired Dozers | 1 | 8 | 247 | 0.4 | 3.952 | 8 | 22 | 695.55 |
| Grading | Tractors/Loaders/Backhoes | 1 | 8 | 97 | 0.37 | 1.4356 | 8 | 22 | 252.67 |
| Building Construction | Cranes | 1 | 8 | 231 | 0.29 | 2.6796 | 8 | 435 | 9325.01 |
| Building Construction | Forklifts | 2 | 8 | 89 | 0.20 | 0.712 | 16 | 435 | 4955.52 |
| Building Construction | Tractors/Loaders/Backhoes | 2 | 8 | 97 | 0.37 | 1.4356 | 16 | 435 | 9991.78 |
| Architectural Coating | Air Compressors | 1 | 6 | 78 | 0.48 | 1.4976 | 6 | 44 | 395.37 |
| Total: | | | | | | | | | 27,773 |
| Notes: | | | | | | | | | Off-Site Mobile Construction Total: 24,209 |
| Fuel Consumption Rate = Horsepower x Load Factor x Fuel Consumption Factor | | | | | | | | | TOTAL: 51,982 |
| Where: | | | | | | | | | |
| Fuel Consumption Factor for a diesel engine is 0.04 gallons per horsepower per hour (gal/hp/hr) and a gasoline engine is 0.06 gal/hp/hr. | | | | | | | | | |
| Source: Refer to CalEEMod outputs for assumptions used in this analysis. | | | | | | | | | |