
Appendix C

SMPs Project (SMP 39) - Bay Area AQMD Air District, Annual

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

SMPs Project (SMP 39)
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1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|----------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 755.50 | 1000sqft | 44.28 | 755,500.00 | 0 |
| Parking Lot | 1,647.00 | Space | 14.82 | 658,800.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 64 |
| Climate Zone | 4 | | | Operational Year | 2026 |
| Utility Company | Pacific Gas and Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 203.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Lot acreage adjusted to represent total acreage of project site.
- Construction Phase - Construction phase timing adjusted based on project-specific information provided by the project applicant.
- Grading - Based on applicant provided information.
- Vehicle Trips - Based on project-specific TIS prepared by TJKM.
- Construction Off-road Equipment Mitigation - Based on AQ Questionnaire.
- Mobile Land Use Mitigation -
- Water Mitigation - Compliant with MWELO.
- Operational Off-Road Equipment - Based on applicant provided information.
- Stationary Sources - Emergency Generators and Fire Pumps -

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| Table Name | Column Name | Default Value | New Value |
|---------------------------------|----------------------------|---------------|-----------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstructionPhase | NumDays | 75.00 | 320.00 |
| tblConstructionPhase | NumDays | 1,110.00 | 320.00 |
| tblConstructionPhase | NumDays | 110.00 | 90.00 |
| tblConstructionPhase | NumDays | 75.00 | 60.00 |
| tblGrading | MaterialImported | 0.00 | 24,000.00 |
| tblLandUse | LotAcreage | 17.34 | 44.28 |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | CNG |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 30.00 |
| tblStationaryGeneratorsPumpsUse | HorsePowerValue | 0.00 | 201.00 |
| tblStationaryGeneratorsPumpsUse | HoursPerDay | 0.00 | 0.01 |
| tblStationaryGeneratorsPumpsUse | HoursPerYear | 0.00 | 3.00 |
| tblStationaryGeneratorsPumpsUse | NumberOfEquipment | 0.00 | 3.00 |
| tblVehicleTrips | CC_TL | 7.30 | 3.11 |
| tblVehicleTrips | CNW_TL | 7.30 | 3.11 |

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| | | | |
|-----------------|-------|------|------|
| tblVehicleTrips | CW_TL | 9.50 | 4.05 |
| tblVehicleTrips | ST_TR | 1.74 | 4.75 |
| tblVehicleTrips | SU_TR | 1.74 | 4.75 |
| tblVehicleTrips | WD_TR | 1.74 | 4.75 |

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 | | | | | |
| 2024 | 0.1451 | 1.6065 | 1.2705 | 3.6200e-003 | 0.4379 | 0.0597 | 0.4976 | 0.1682 | 0.0550 | 0.2232 | 0.0000 | 327.6035 | 327.6035 | 0.0797 | 0.0136 | 333.6603 |
| 2025 | 2.7799 | 2.7654 | 3.9191 | 0.0127 | 0.8620 | 0.0800 | 0.9420 | 0.2126 | 0.0753 | 0.2879 | 0.0000 | 1,178.5896 | 1,178.5896 | 0.0969 | 0.0757 | 1,203.5793 |
| 2026 | 1.8843 | 1.5163 | 2.0983 | 7.2300e-003 | 0.4412 | 0.0408 | 0.4821 | 0.1195 | 0.0386 | 0.1582 | 0.0000 | 677.5171 | 677.5171 | 0.0457 | 0.0454 | 692.1774 |
| Maximum | 2.7799 | 2.7654 | 3.9191 | 0.0127 | 0.8620 | 0.0800 | 0.9420 | 0.2126 | 0.0753 | 0.2879 | 0.0000 | 1,178.5896 | 1,178.5896 | 0.0969 | 0.0757 | 1,203.5793 |

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 | | | | | |
| 2024 | 0.0773 | 1.4773 | 1.6527 | 3.6200e-003 | 0.4379 | 0.0534 | 0.4913 | 0.1682 | 0.0528 | 0.2211 | 0.0000 | 327.6033 | 327.6033 | 0.0797 | 0.0136 | 333.6600 |
| 2025 | 2.7569 | 2.8101 | 4.1233 | 0.0127 | 0.8620 | 0.0813 | 0.9433 | 0.2126 | 0.0783 | 0.2909 | 0.0000 | 1,178.5892 | 1,178.5892 | 0.0969 | 0.0757 | 1,203.5789 |
| 2026 | 1.8752 | 1.4935 | 2.1696 | 7.2300e-003 | 0.4412 | 0.0392 | 0.4804 | 0.1195 | 0.0376 | 0.1571 | 0.0000 | 677.5169 | 677.5169 | 0.0457 | 0.0454 | 692.1772 |
| Maximum | 2.7569 | 2.8101 | 4.1233 | 0.0127 | 0.8620 | 0.0813 | 0.9433 | 0.2126 | 0.0783 | 0.2909 | 0.0000 | 1,178.5892 | 1,178.5892 | 0.0969 | 0.0757 | 1,203.5789 |

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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 | 2.08 | 1.82 | -9.03 | 0.00 | 0.00 | 3.72 | 0.35 | 0.00 | 0.14 | 0.03 | 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 | 9-2-2024 | 12-1-2024 | 1.3090 | 1.1618 |
| 2 | 12-2-2024 | 3-1-2025 | 0.6782 | 0.6796 |
| 3 | 3-2-2025 | 6-1-2025 | 1.2022 | 1.2137 |
| 4 | 6-2-2025 | 9-1-2025 | 1.7537 | 1.7366 |
| 5 | 9-2-2025 | 12-1-2025 | 1.7531 | 1.7361 |
| 6 | 12-2-2025 | 3-1-2026 | 1.7369 | 1.7201 |
| 7 | 3-2-2026 | 6-1-2026 | 1.7547 | 1.7375 |
| 8 | 6-2-2026 | 9-1-2026 | 0.4776 | 0.4742 |
| | | Highest | 1.7547 | 1.7375 |

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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 | 3.4029 | 2.0000e-004 | 0.0220 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.0429 | 0.0429 | 1.1000e-004 | 0.0000 | 0.0457 |
| Energy | 0.0140 | 0.1274 | 0.1070 | 7.6000e-004 | | 9.6800e-003 | 9.6800e-003 | | 9.6800e-003 | 9.6800e-003 | 0.0000 | 404.6784 | 404.6784 | 0.0457 | 7.7600e-003 | 408.1327 |
| Mobile | 1.0849 | 0.9931 | 8.4970 | 0.0148 | 1.6468 | 0.0117 | 1.6585 | 0.4400 | 0.0109 | 0.4509 | 0.0000 | 1,413.1699 | 1,413.1699 | 0.1176 | 0.0797 | 1,439.8690 |
| Offroad | 0.0782 | 3.7348 | 37.2814 | 5.9600e-003 | | 0.0725 | 0.0725 | | 0.0725 | 0.0725 | 0.0000 | 683.9043 | 683.9043 | 0.2212 | 0.0000 | 689.4340 |
| Stationary | 1.4800e-003 | 4.1500e-003 | 3.7800e-003 | 1.0000e-005 | | 2.2000e-004 | 2.2000e-004 | | 2.2000e-004 | 2.2000e-004 | 0.0000 | 0.6889 | 0.6889 | 1.0000e-004 | 0.0000 | 0.6913 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 144.1581 | 0.0000 | 144.1581 | 8.5195 | 0.0000 | 357.1456 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 55.4272 | 87.4676 | 142.8948 | 5.7071 | 0.1361 | 326.1401 |
| Total | 4.5815 | 4.8597 | 45.9112 | 0.0216 | 1.6468 | 0.0942 | 1.7410 | 0.4400 | 0.0934 | 0.5333 | 199.5853 | 2,589.9519 | 2,789.5372 | 14.6113 | 0.2236 | 3,221.4584 |

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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 | 3.4029 | 2.0000e-004 | 0.0220 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.0429 | 0.0429 | 1.1000e-004 | 0.0000 | 0.0457 |
| Energy | 0.0140 | 0.1274 | 0.1070 | 7.6000e-004 | | 9.6800e-003 | 9.6800e-003 | | 9.6800e-003 | 9.6800e-003 | 0.0000 | 404.6784 | 404.6784 | 0.0457 | 7.7600e-003 | 408.1327 |
| Mobile | 1.0849 | 0.9931 | 8.4970 | 0.0148 | 1.6468 | 0.0117 | 1.6585 | 0.4400 | 0.0109 | 0.4509 | 0.0000 | 1,413.1699 | 1,413.1699 | 0.1176 | 0.0797 | 1,439.8690 |
| Offroad | 0.0782 | 3.7348 | 37.2814 | 5.9600e-003 | | 0.0725 | 0.0725 | | 0.0725 | 0.0725 | 0.0000 | 683.9043 | 683.9043 | 0.2212 | 0.0000 | 689.4340 |
| Stationary | 1.4800e-003 | 4.1500e-003 | 3.7800e-003 | 1.0000e-005 | | 2.2000e-004 | 2.2000e-004 | | 2.2000e-004 | 2.2000e-004 | 0.0000 | 0.6889 | 0.6889 | 1.0000e-004 | 0.0000 | 0.6913 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 144.1581 | 0.0000 | 144.1581 | 8.5195 | 0.0000 | 357.1456 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 55.4272 | 87.4676 | 142.8948 | 5.7071 | 0.1361 | 326.1401 |
| Total | 4.5815 | 4.8597 | 45.9112 | 0.0216 | 1.6468 | 0.0942 | 1.7410 | 0.4400 | 0.0934 | 0.5333 | 199.5853 | 2,589.9519 | 2,789.5372 | 14.6113 | 0.2236 | 3,221.4584 |

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

3.0 Construction Detail

Construction Phase

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| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Grading | Grading | 9/2/2024 | 1/3/2025 | 5 | 90 | |
| 2 | Paving | Paving | 1/4/2025 | 3/28/2025 | 5 | 60 | |
| 3 | Building Construction | Building Construction | 3/29/2025 | 6/19/2026 | 5 | 320 | |
| 4 | Architectural Coating | Architectural Coating | 4/12/2025 | 7/3/2026 | 5 | 320 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 270

Acres of Paving: 14.82

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,133,250; Non-Residential Outdoor: 377,750; Striped Parking Area: 39,528 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Grading | Excavators | 2 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

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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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Grading | 8 | 20.00 | 0.00 | 3,000.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 594.00 | 232.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 119.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Grading - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.4065 | 0.0000 | 0.4065 | 0.1597 | 0.0000 | 0.1597 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1400 | 1.4084 | 1.2059 | 2.7000e-003 | | 0.0581 | 0.0581 | | 0.0534 | 0.0534 | 0.0000 | 237.1599 | 237.1599 | 0.0767 | 0.0000 | 239.0775 |
| Total | 0.1400 | 1.4084 | 1.2059 | 2.7000e-003 | 0.4065 | 0.0581 | 0.4646 | 0.1597 | 0.0534 | 0.2131 | 0.0000 | 237.1599 | 237.1599 | 0.0767 | 0.0000 | 239.0775 |

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3.2 Grading - 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 | 3.0100e-003 | 0.1968 | 0.0465 | 8.6000e-004 | 0.0245 | 1.6000e-003 | 0.0261 | 6.7500e-003 | 1.5300e-003 | 8.2800e-003 | 0.0000 | 85.1886 | 85.1886 | 2.8500e-003 | 0.0135 | 89.2833 |
| 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 | 2.0800e-003 | 1.3600e-003 | 0.0180 | 6.0000e-005 | 6.8700e-003 | 3.0000e-005 | 6.9100e-003 | 1.8300e-003 | 3.0000e-005 | 1.8600e-003 | 0.0000 | 5.2550 | 5.2550 | 1.4000e-004 | 1.4000e-004 | 5.2996 |
| Total | 5.0900e-003 | 0.1981 | 0.0645 | 9.2000e-004 | 0.0314 | 1.6300e-003 | 0.0330 | 8.5800e-003 | 1.5600e-003 | 0.0101 | 0.0000 | 90.4436 | 90.4436 | 2.9900e-003 | 0.0136 | 94.5828 |

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 | | | | | 0.4065 | 0.0000 | 0.4065 | 0.1597 | 0.0000 | 0.1597 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0722 | 1.2792 | 1.5882 | 2.7000e-003 | | 0.0517 | 0.0517 | | 0.0513 | 0.0513 | 0.0000 | 237.1596 | 237.1596 | 0.0767 | 0.0000 | 239.0772 |
| Total | 0.0722 | 1.2792 | 1.5882 | 2.7000e-003 | 0.4065 | 0.0517 | 0.4582 | 0.1597 | 0.0513 | 0.2109 | 0.0000 | 237.1596 | 237.1596 | 0.0767 | 0.0000 | 239.0772 |

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3.2 Grading - 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 | 3.0100e-003 | 0.1968 | 0.0465 | 8.6000e-004 | 0.0245 | 1.6000e-003 | 0.0261 | 6.7500e-003 | 1.5300e-003 | 8.2800e-003 | 0.0000 | 85.1886 | 85.1886 | 2.8500e-003 | 0.0135 | 89.2833 |
| 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 | 2.0800e-003 | 1.3600e-003 | 0.0180 | 6.0000e-005 | 6.8700e-003 | 3.0000e-005 | 6.9100e-003 | 1.8300e-003 | 3.0000e-005 | 1.8600e-003 | 0.0000 | 5.2550 | 5.2550 | 1.4000e-004 | 1.4000e-004 | 5.2996 |
| Total | 5.0900e-003 | 0.1981 | 0.0645 | 9.2000e-004 | 0.0314 | 1.6300e-003 | 0.0330 | 8.5800e-003 | 1.5600e-003 | 0.0101 | 0.0000 | 90.4436 | 90.4436 | 2.9900e-003 | 0.0136 | 94.5828 |

3.2 Grading - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.1536 | 0.0000 | 0.1536 | 0.0206 | 0.0000 | 0.0206 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 4.3500e-003 | 0.0419 | 0.0395 | 9.0000e-005 | | 1.7000e-003 | 1.7000e-003 | | 1.5600e-003 | 1.5600e-003 | 0.0000 | 8.1759 | 8.1759 | 2.6400e-003 | 0.0000 | 8.2420 |
| Total | 4.3500e-003 | 0.0419 | 0.0395 | 9.0000e-005 | 0.1536 | 1.7000e-003 | 0.1553 | 0.0206 | 1.5600e-003 | 0.0222 | 0.0000 | 8.1759 | 8.1759 | 2.6400e-003 | 0.0000 | 8.2420 |

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

3.2 Grading - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 1.0000e-004 | 6.7400e-003 | 1.6100e-003 | 3.0000e-005 | 8.5000e-004 | 6.0000e-005 | 9.0000e-004 | 2.3000e-004 | 5.0000e-005 | 2.9000e-004 | 0.0000 | 2.8818 | 2.8818 | 1.0000e-004 | 4.6000e-004 | 3.0203 |
| 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 | 7.0000e-005 | 4.0000e-005 | 5.8000e-004 | 0.0000 | 2.4000e-004 | 0.0000 | 2.4000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1769 | 0.1769 | 0.0000 | 0.0000 | 0.1783 |
| Total | 1.7000e-004 | 6.7800e-003 | 2.1900e-003 | 3.0000e-005 | 1.0900e-003 | 6.0000e-005 | 1.1400e-003 | 2.9000e-004 | 5.0000e-005 | 3.5000e-004 | 0.0000 | 3.0586 | 3.0586 | 1.0000e-004 | 4.6000e-004 | 3.1986 |

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 | | | | | 0.1536 | 0.0000 | 0.1536 | 0.0206 | 0.0000 | 0.0206 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.4500e-003 | 0.0438 | 0.0548 | 9.0000e-005 | | 1.7500e-003 | 1.7500e-003 | | 1.7300e-003 | 1.7300e-003 | 0.0000 | 8.1759 | 8.1759 | 2.6400e-003 | 0.0000 | 8.2420 |
| Total | 2.4500e-003 | 0.0438 | 0.0548 | 9.0000e-005 | 0.1536 | 1.7500e-003 | 0.1553 | 0.0206 | 1.7300e-003 | 0.0224 | 0.0000 | 8.1759 | 8.1759 | 2.6400e-003 | 0.0000 | 8.2420 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Annual

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

3.2 Grading - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 1.0000e-004 | 6.7400e-003 | 1.6100e-003 | 3.0000e-005 | 8.5000e-004 | 6.0000e-005 | 9.0000e-004 | 2.3000e-004 | 5.0000e-005 | 2.9000e-004 | 0.0000 | 2.8818 | 2.8818 | 1.0000e-004 | 4.6000e-004 | 3.0203 |
| 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 | 7.0000e-005 | 4.0000e-005 | 5.8000e-004 | 0.0000 | 2.4000e-004 | 0.0000 | 2.4000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1769 | 0.1769 | 0.0000 | 0.0000 | 0.1783 |
| Total | 1.7000e-004 | 6.7800e-003 | 2.1900e-003 | 3.0000e-005 | 1.0900e-003 | 6.0000e-005 | 1.1400e-003 | 2.9000e-004 | 5.0000e-005 | 3.5000e-004 | 0.0000 | 3.0586 | 3.0586 | 1.0000e-004 | 4.6000e-004 | 3.1986 |

3.3 Paving - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0275 | 0.2575 | 0.4373 | 6.8000e-004 | | 0.0126 | 0.0126 | | 0.0116 | 0.0116 | 0.0000 | 60.0578 | 60.0578 | 0.0194 | 0.0000 | 60.5434 |
| Paving | 0.0194 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0469 | 0.2575 | 0.4373 | 6.8000e-004 | | 0.0126 | 0.0126 | | 0.0116 | 0.0116 | 0.0000 | 60.0578 | 60.0578 | 0.0194 | 0.0000 | 60.5434 |

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

3.3 Paving - 2025

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 | 1.0100e-003 | 6.3000e-004 | 8.7500e-003 | 3.0000e-005 | 3.5600e-003 | 2.0000e-005 | 3.5700e-003 | 9.5000e-004 | 2.0000e-005 | 9.6000e-004 | 0.0000 | 2.6532 | 2.6532 | 7.0000e-005 | 7.0000e-005 | 2.6747 |
| Total | 1.0100e-003 | 6.3000e-004 | 8.7500e-003 | 3.0000e-005 | 3.5600e-003 | 2.0000e-005 | 3.5700e-003 | 9.5000e-004 | 2.0000e-005 | 9.6000e-004 | 0.0000 | 2.6532 | 2.6532 | 7.0000e-005 | 7.0000e-005 | 2.6747 |

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 | 0.0212 | 0.3373 | 0.5106 | 6.8000e-004 | | 0.0165 | 0.0165 | | 0.0161 | 0.0161 | 0.0000 | 60.0577 | 60.0577 | 0.0194 | 0.0000 | 60.5433 |
| Paving | 0.0194 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0406 | 0.3373 | 0.5106 | 6.8000e-004 | | 0.0165 | 0.0165 | | 0.0161 | 0.0161 | 0.0000 | 60.0577 | 60.0577 | 0.0194 | 0.0000 | 60.5433 |

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

3.3 Paving - 2025

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 | 1.0100e-003 | 6.3000e-004 | 8.7500e-003 | 3.0000e-005 | 3.5600e-003 | 2.0000e-005 | 3.5700e-003 | 9.5000e-004 | 2.0000e-005 | 9.6000e-004 | 0.0000 | 2.6532 | 2.6532 | 7.0000e-005 | 7.0000e-005 | 2.6747 |
| Total | 1.0100e-003 | 6.3000e-004 | 8.7500e-003 | 3.0000e-005 | 3.5600e-003 | 2.0000e-005 | 3.5700e-003 | 9.5000e-004 | 2.0000e-005 | 9.6000e-004 | 0.0000 | 2.6532 | 2.6532 | 7.0000e-005 | 7.0000e-005 | 2.6747 |

3.4 Building Construction - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.1354 | 1.2345 | 1.5924 | 2.6700e-003 | | 0.0522 | 0.0522 | | 0.0491 | 0.0491 | 0.0000 | 229.6003 | 229.6003 | 0.0540 | 0.0000 | 230.9496 |
| Total | 0.1354 | 1.2345 | 1.5924 | 2.6700e-003 | | 0.0522 | 0.0522 | | 0.0491 | 0.0491 | 0.0000 | 229.6003 | 229.6003 | 0.0540 | 0.0000 | 230.9496 |

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

3.4 Building Construction - 2025

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 | 0.0232 | 1.0178 | 0.3073 | 4.5000e-003 | 0.1507 | 6.0200e-003 | 0.1567 | 0.0436 | 5.7600e-003 | 0.0494 | 0.0000 | 438.3755 | 438.3755 | 9.1500e-003 | 0.0648 | 457.9173 |
| Worker | 0.1325 | 0.0829 | 1.1440 | 3.6700e-003 | 0.4647 | 2.1800e-003 | 0.4669 | 0.1236 | 2.0100e-003 | 0.1256 | 0.0000 | 346.7158 | 346.7158 | 8.6300e-003 | 8.7300e-003 | 349.5327 |
| Total | 0.1557 | 1.1007 | 1.4513 | 8.1700e-003 | 0.6154 | 8.2000e-003 | 0.6236 | 0.1672 | 7.7700e-003 | 0.1750 | 0.0000 | 785.0914 | 785.0914 | 0.0178 | 0.0735 | 807.4500 |

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 | 0.1206 | 1.1975 | 1.7081 | 2.6700e-003 | | 0.0496 | 0.0496 | | 0.0474 | 0.0474 | 0.0000 | 229.6000 | 229.6000 | 0.0540 | 0.0000 | 230.9493 |
| Total | 0.1206 | 1.1975 | 1.7081 | 2.6700e-003 | | 0.0496 | 0.0496 | | 0.0474 | 0.0474 | 0.0000 | 229.6000 | 229.6000 | 0.0540 | 0.0000 | 230.9493 |

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

3.4 Building Construction - 2025

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 | 0.0232 | 1.0178 | 0.3073 | 4.5000e-003 | 0.1507 | 6.0200e-003 | 0.1567 | 0.0436 | 5.7600e-003 | 0.0494 | 0.0000 | 438.3755 | 438.3755 | 9.1500e-003 | 0.0648 | 457.9173 |
| Worker | 0.1325 | 0.0829 | 1.1440 | 3.6700e-003 | 0.4647 | 2.1800e-003 | 0.4669 | 0.1236 | 2.0100e-003 | 0.1256 | 0.0000 | 346.7158 | 346.7158 | 8.6300e-003 | 8.7300e-003 | 349.5327 |
| Total | 0.1557 | 1.1007 | 1.4513 | 8.1700e-003 | 0.6154 | 8.2000e-003 | 0.6236 | 0.1672 | 7.7700e-003 | 0.1750 | 0.0000 | 785.0914 | 785.0914 | 0.0178 | 0.0735 | 807.4500 |

3.4 Building Construction - 2026

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 | 0.0834 | 0.7607 | 0.9812 | 1.6400e-003 | | 0.0322 | 0.0322 | | 0.0303 | 0.0303 | 0.0000 | 141.4709 | 141.4709 | 0.0333 | 0.0000 | 142.3023 |
| Total | 0.0834 | 0.7607 | 0.9812 | 1.6400e-003 | | 0.0322 | 0.0322 | | 0.0303 | 0.0303 | 0.0000 | 141.4709 | 141.4709 | 0.0333 | 0.0000 | 142.3023 |

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

3.4 Building Construction - 2026

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 | 0.0140 | 0.6235 | 0.1866 | 2.7200e-003 | 0.0929 | 3.6900e-003 | 0.0966 | 0.0269 | 3.5300e-003 | 0.0304 | 0.0000 | 265.1621 | 265.1621 | 5.6100e-003 | 0.0392 | 276.9772 |
| Worker | 0.0772 | 0.0465 | 0.6666 | 2.1900e-003 | 0.2863 | 1.2800e-003 | 0.2876 | 0.0762 | 1.1800e-003 | 0.0774 | 0.0000 | 208.7783 | 208.7783 | 4.8600e-003 | 5.0800e-003 | 210.4145 |
| Total | 0.0912 | 0.6700 | 0.8532 | 4.9100e-003 | 0.3792 | 4.9700e-003 | 0.3842 | 0.1030 | 4.7100e-003 | 0.1077 | 0.0000 | 473.9405 | 473.9405 | 0.0105 | 0.0443 | 487.3917 |

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 | 0.0743 | 0.7379 | 1.0524 | 1.6400e-003 | | 0.0305 | 0.0305 | | 0.0292 | 0.0292 | 0.0000 | 141.4707 | 141.4707 | 0.0333 | 0.0000 | 142.3021 |
| Total | 0.0743 | 0.7379 | 1.0524 | 1.6400e-003 | | 0.0305 | 0.0305 | | 0.0292 | 0.0292 | 0.0000 | 141.4707 | 141.4707 | 0.0333 | 0.0000 | 142.3021 |

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3.4 Building Construction - 2026

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 | 0.0140 | 0.6235 | 0.1866 | 2.7200e-003 | 0.0929 | 3.6900e-003 | 0.0966 | 0.0269 | 3.5300e-003 | 0.0304 | 0.0000 | 265.1621 | 265.1621 | 5.6100e-003 | 0.0392 | 276.9772 |
| Worker | 0.0772 | 0.0465 | 0.6666 | 2.1900e-003 | 0.2863 | 1.2800e-003 | 0.2876 | 0.0762 | 1.1800e-003 | 0.0774 | 0.0000 | 208.7783 | 208.7783 | 4.8600e-003 | 5.0800e-003 | 210.4145 |
| Total | 0.0912 | 0.6700 | 0.8532 | 4.9100e-003 | 0.3792 | 4.9700e-003 | 0.3842 | 0.1030 | 4.7100e-003 | 0.1077 | 0.0000 | 473.9405 | 473.9405 | 0.0105 | 0.0443 | 487.3917 |

3.5 Architectural Coating - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 2.3952 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0161 | 0.1077 | 0.1701 | 2.8000e-004 | | 4.8400e-003 | 4.8400e-003 | | 4.8400e-003 | 4.8400e-003 | 0.0000 | 24.0006 | 24.0006 | 1.3100e-003 | 0.0000 | 24.0333 |
| Total | 2.4112 | 0.1077 | 0.1701 | 2.8000e-004 | | 4.8400e-003 | 4.8400e-003 | | 4.8400e-003 | 4.8400e-003 | 0.0000 | 24.0006 | 24.0006 | 1.3100e-003 | 0.0000 | 24.0333 |

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3.5 Architectural Coating - 2025

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 | 0.0252 | 0.0158 | 0.2176 | 7.0000e-004 | 0.0884 | 4.2000e-004 | 0.0888 | 0.0235 | 3.8000e-004 | 0.0239 | 0.0000 | 65.9518 | 65.9518 | 1.6400e-003 | 1.6600e-003 | 66.4877 |
| Total | 0.0252 | 0.0158 | 0.2176 | 7.0000e-004 | 0.0884 | 4.2000e-004 | 0.0888 | 0.0235 | 3.8000e-004 | 0.0239 | 0.0000 | 65.9518 | 65.9518 | 1.6400e-003 | 1.6600e-003 | 66.4877 |

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 | 2.3952 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0161 | 0.1077 | 0.1701 | 2.8000e-004 | | 4.8400e-003 | 4.8400e-003 | | 4.8400e-003 | 4.8400e-003 | 0.0000 | 24.0006 | 24.0006 | 1.3100e-003 | 0.0000 | 24.0333 |
| Total | 2.4112 | 0.1077 | 0.1701 | 2.8000e-004 | | 4.8400e-003 | 4.8400e-003 | | 4.8400e-003 | 4.8400e-003 | 0.0000 | 24.0006 | 24.0006 | 1.3100e-003 | 0.0000 | 24.0333 |

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3.5 Architectural Coating - 2025

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 | 0.0252 | 0.0158 | 0.2176 | 7.0000e-004 | 0.0884 | 4.2000e-004 | 0.0888 | 0.0235 | 3.8000e-004 | 0.0239 | 0.0000 | 65.9518 | 65.9518 | 1.6400e-003 | 1.6600e-003 | 66.4877 |
| Total | 0.0252 | 0.0158 | 0.2176 | 7.0000e-004 | 0.0884 | 4.2000e-004 | 0.0888 | 0.0235 | 3.8000e-004 | 0.0239 | 0.0000 | 65.9518 | 65.9518 | 1.6400e-003 | 1.6600e-003 | 66.4877 |

3.5 Architectural Coating - 2026

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 | 1.6817 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0113 | 0.0756 | 0.1194 | 2.0000e-004 | | 3.4000e-003 | 3.4000e-003 | | 3.4000e-003 | 3.4000e-003 | 0.0000 | 16.8515 | 16.8515 | 9.2000e-004 | 0.0000 | 16.8745 |
| Total | 1.6930 | 0.0756 | 0.1194 | 2.0000e-004 | | 3.4000e-003 | 3.4000e-003 | | 3.4000e-003 | 3.4000e-003 | 0.0000 | 16.8515 | 16.8515 | 9.2000e-004 | 0.0000 | 16.8745 |

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3.5 Architectural Coating - 2026

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 | 0.0167 | 0.0101 | 0.1445 | 4.7000e-004 | 0.0621 | 2.8000e-004 | 0.0623 | 0.0165 | 2.6000e-004 | 0.0168 | 0.0000 | 45.2543 | 45.2543 | 1.0500e-003 | 1.1000e-003 | 45.6090 |
| Total | 0.0167 | 0.0101 | 0.1445 | 4.7000e-004 | 0.0621 | 2.8000e-004 | 0.0623 | 0.0165 | 2.6000e-004 | 0.0168 | 0.0000 | 45.2543 | 45.2543 | 1.0500e-003 | 1.1000e-003 | 45.6090 |

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 | 1.6817 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0113 | 0.0756 | 0.1194 | 2.0000e-004 | | 3.4000e-003 | 3.4000e-003 | | 3.4000e-003 | 3.4000e-003 | 0.0000 | 16.8515 | 16.8515 | 9.2000e-004 | 0.0000 | 16.8744 |
| Total | 1.6930 | 0.0756 | 0.1194 | 2.0000e-004 | | 3.4000e-003 | 3.4000e-003 | | 3.4000e-003 | 3.4000e-003 | 0.0000 | 16.8515 | 16.8515 | 9.2000e-004 | 0.0000 | 16.8744 |

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3.5 Architectural Coating - 2026

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 | 0.0167 | 0.0101 | 0.1445 | 4.7000e-004 | 0.0621 | 2.8000e-004 | 0.0623 | 0.0165 | 2.6000e-004 | 0.0168 | 0.0000 | 45.2543 | 45.2543 | 1.0500e-003 | 1.1000e-003 | 45.6090 |
| Total | 0.0167 | 0.0101 | 0.1445 | 4.7000e-004 | 0.0621 | 2.8000e-004 | 0.0623 | 0.0165 | 2.6000e-004 | 0.0168 | 0.0000 | 45.2543 | 45.2543 | 1.0500e-003 | 1.1000e-003 | 45.6090 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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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 | 1.0849 | 0.9931 | 8.4970 | 0.0148 | 1.6468 | 0.0117 | 1.6585 | 0.4400 | 0.0109 | 0.4509 | 0.0000 | 1,413.1699 | 1,413.1699 | 0.1176 | 0.0797 | 1,439.8690 |
| Unmitigated | 1.0849 | 0.9931 | 8.4970 | 0.0148 | 1.6468 | 0.0117 | 1.6585 | 0.4400 | 0.0109 | 0.4509 | 0.0000 | 1,413.1699 | 1,413.1699 | 0.1176 | 0.0797 | 1,439.8690 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|-----------------|-----------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 3,588.63 | 3,588.63 | 3,588.63 | 4,467,720 | 4,467,720 |
| Total | 3,588.63 | 3,588.63 | 3,588.63 | 4,467,720 | 4,467,720 |

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 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No Rail | 4.05 | 3.11 | 3.11 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Parking Lot | 0.554285 | 0.058871 | 0.188253 | 0.120585 | 0.022598 | 0.005697 | 0.010798 | 0.007525 | 0.000977 | 0.000545 | 0.026246 | 0.000848 | 0.002771 |
| Unrefrigerated Warehouse-No Rail | 0.554285 | 0.058871 | 0.188253 | 0.120585 | 0.022598 | 0.005697 | 0.010798 | 0.007525 | 0.000977 | 0.000545 | 0.026246 | 0.000848 | 0.002771 |

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|---------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 265.9901 | 265.9901 | 0.0430 | 5.2200e-003 | 268.6203 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 265.9901 | 265.9901 | 0.0430 | 5.2200e-003 | 268.6203 |
| NaturalGas Mitigated | 0.0140 | 0.1274 | 0.1070 | 7.6000e-004 | | 9.6800e-003 | 9.6800e-003 | | 9.6800e-003 | 9.6800e-003 | 0.0000 | 138.6883 | 138.6883 | 2.6600e-003 | 2.5400e-003 | 139.5124 |
| NaturalGas Unmitigated | 0.0140 | 0.1274 | 0.1070 | 7.6000e-004 | | 9.6800e-003 | 9.6800e-003 | | 9.6800e-003 | 9.6800e-003 | 0.0000 | 138.6883 | 138.6883 | 2.6600e-003 | 2.5400e-003 | 139.5124 |

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5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 2.59892e+006 | 0.0140 | 0.1274 | 0.1070 | 7.6000e-004 | | 9.6800e-003 | 9.6800e-003 | | 9.6800e-003 | 9.6800e-003 | 0.0000 | 138.6883 | 138.6883 | 2.6600e-003 | 2.5400e-003 | 139.5124 |
| Total | | 0.0140 | 0.1274 | 0.1070 | 7.6000e-004 | | 9.6800e-003 | 9.6800e-003 | | 9.6800e-003 | 9.6800e-003 | 0.0000 | 138.6883 | 138.6883 | 2.6600e-003 | 2.5400e-003 | 139.5124 |

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 2.59892e+006 | 0.0140 | 0.1274 | 0.1070 | 7.6000e-004 | | 9.6800e-003 | 9.6800e-003 | | 9.6800e-003 | 9.6800e-003 | 0.0000 | 138.6883 | 138.6883 | 2.6600e-003 | 2.5400e-003 | 139.5124 |
| Total | | 0.0140 | 0.1274 | 0.1070 | 7.6000e-004 | | 9.6800e-003 | 9.6800e-003 | | 9.6800e-003 | 9.6800e-003 | 0.0000 | 138.6883 | 138.6883 | 2.6600e-003 | 2.5400e-003 | 139.5124 |

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5.3 Energy by Land Use - Electricity

Unmitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Parking Lot | 230580 | 21.3341 | 3.4500e-003 | 4.2000e-004 | 21.5451 |
| Unrefrigerated Warehouse-No Rail | 2.64425e+006 | 244.6560 | 0.0396 | 4.8000e-003 | 247.0752 |
| Total | | 265.9901 | 0.0430 | 5.2200e-003 | 268.6203 |

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Parking Lot | 230580 | 21.3341 | 3.4500e-003 | 4.2000e-004 | 21.5451 |
| Unrefrigerated Warehouse-No Rail | 2.64425e+006 | 244.6560 | 0.0396 | 4.8000e-003 | 247.0752 |
| Total | | 265.9901 | 0.0430 | 5.2200e-003 | 268.6203 |

6.0 Area Detail

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6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|--------|--------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 3.4029 | 2.0000e-004 | 0.0220 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.0429 | 0.0429 | 1.1000e-004 | 0.0000 | 0.0457 |
| Unmitigated | 3.4029 | 2.0000e-004 | 0.0220 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.0429 | 0.0429 | 1.1000e-004 | 0.0000 | 0.0457 |

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 | 0.4077 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 2.9932 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 2.0300e-003 | 2.0000e-004 | 0.0220 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.0429 | 0.0429 | 1.1000e-004 | 0.0000 | 0.0457 |
| Total | 3.4029 | 2.0000e-004 | 0.0220 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.0429 | 0.0429 | 1.1000e-004 | 0.0000 | 0.0457 |

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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 | 0.4077 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 2.9932 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 2.0300e-003 | 2.0000e-004 | 0.0220 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.0429 | 0.0429 | 1.1000e-004 | 0.0000 | 0.0457 |
| Total | 3.4029 | 2.0000e-004 | 0.0220 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.0429 | 0.0429 | 1.1000e-004 | 0.0000 | 0.0457 |

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|----------|
| Category | MT/yr | | | |
| Mitigated | 142.8948 | 5.7071 | 0.1361 | 326.1401 |
| Unmitigated | 142.8948 | 5.7071 | 0.1361 | 326.1401 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|--------------------|-----------------|---------------|---------------|-----------------|
| Land Use | Mgal | MT/yr | | | |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 174.709 / 0 | 142.8948 | 5.7071 | 0.1361 | 326.1401 |
| Total | | 142.8948 | 5.7071 | 0.1361 | 326.1401 |

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7.2 Water by Land Use

Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|--------------------|-----------------|---------------|---------------|-----------------|
| Land Use | Mgal | MT/yr | | | |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 174.709 / 0 | 142.8948 | 5.7071 | 0.1361 | 326.1401 |
| Total | | 142.8948 | 5.7071 | 0.1361 | 326.1401 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|----------|
| | MT/yr | | | |
| Mitigated | 144.1581 | 8.5195 | 0.0000 | 357.1456 |
| Unmitigated | 144.1581 | 8.5195 | 0.0000 | 357.1456 |

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8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|-----------------|---------------|---------------|-----------------|
| Land Use | tons | MT/yr | | | |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 710.17 | 144.1581 | 8.5195 | 0.0000 | 357.1456 |
| Total | | 144.1581 | 8.5195 | 0.0000 | 357.1456 |

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|-----------------|---------------|---------------|-----------------|
| Land Use | tons | MT/yr | | | |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 710.17 | 144.1581 | 8.5195 | 0.0000 | 357.1456 |
| Total | | 144.1581 | 8.5195 | 0.0000 | 357.1456 |

9.0 Operational Offroad

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| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
| Forklifts | 30 | 8.00 | 260 | 89 | 0.20 | CNG |

UnMitigated/Mitigated

| Equipment Type | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|---------------|----------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Forklifts | 0.0782 | 3.7348 | 37.2814 | 5.9600e-003 | | 0.0725 | 0.0725 | | 0.0725 | 0.0725 | 0.0000 | 683.9043 | 683.9043 | 0.2212 | 0.0000 | 689.4340 |
| Total | 0.0782 | 3.7348 | 37.2814 | 5.9600e-003 | | 0.0725 | 0.0725 | | 0.0725 | 0.0725 | 0.0000 | 683.9043 | 683.9043 | 0.2212 | 0.0000 | 689.4340 |

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---------------------|--------|-----------|------------|-------------|-------------|-----------|
| Emergency Generator | 3 | 0.01 | 3 | 201 | 0.73 | Diesel |

Boilers

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

User Defined Equipment

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

SMPs Project (SMP 39) - Bay Area AQMD Air District, Annual

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

10.1 Stationary Sources

Unmitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Equipment Type | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Emergency Generator - Diesel (175 - 300 HP) | 1.4800e-003 | 4.1500e-003 | 3.7800e-003 | 1.0000e-005 | | 2.2000e-004 | 2.2000e-004 | | 2.2000e-004 | 2.2000e-004 | 0.0000 | 0.6889 | 0.6889 | 1.0000e-004 | 0.0000 | 0.6913 |
| Total | 1.4800e-003 | 4.1500e-003 | 3.7800e-003 | 1.0000e-005 | | 2.2000e-004 | 2.2000e-004 | | 2.2000e-004 | 2.2000e-004 | 0.0000 | 0.6889 | 0.6889 | 1.0000e-004 | 0.0000 | 0.6913 |

11.0 Vegetation

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

SMPs Project (SMP 39)
Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|----------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 755.50 | 1000sqft | 44.28 | 755,500.00 | 0 |
| Parking Lot | 1,647.00 | Space | 14.82 | 658,800.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 64 |
| Climate Zone | 4 | | | Operational Year | 2026 |
| Utility Company | Pacific Gas and Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 203.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Lot acreage adjusted to represent total acreage of project site.
- Construction Phase - Construction phase timing adjusted based on project-specific information provided by the project applicant.
- Grading - Based on applicant provided information.
- Vehicle Trips - Based on project-specific TIS prepared by TJKM.
- Construction Off-road Equipment Mitigation - Based on AQ Questionnaire.
- Mobile Land Use Mitigation -
- Water Mitigation - Compliant with MWELO.
- Operational Off-Road Equipment - Based on applicant provided information.
- Stationary Sources - Emergency Generators and Fire Pumps -

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

| Table Name | Column Name | Default Value | New Value |
|---------------------------------|----------------------------|---------------|-----------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstructionPhase | NumDays | 75.00 | 320.00 |
| tblConstructionPhase | NumDays | 1,110.00 | 320.00 |
| tblConstructionPhase | NumDays | 110.00 | 90.00 |
| tblConstructionPhase | NumDays | 75.00 | 60.00 |
| tblGrading | MaterialImported | 0.00 | 24,000.00 |
| tblLandUse | LotAcreage | 17.34 | 44.28 |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | CNG |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 30.00 |
| tblStationaryGeneratorsPumpsUse | HorsePowerValue | 0.00 | 201.00 |
| tblStationaryGeneratorsPumpsUse | HoursPerDay | 0.00 | 0.01 |
| tblStationaryGeneratorsPumpsUse | HoursPerYear | 0.00 | 3.00 |
| tblStationaryGeneratorsPumpsUse | NumberOfEquipment | 0.00 | 3.00 |
| tblVehicleTrips | CC_TL | 7.30 | 3.11 |
| tblVehicleTrips | CNW_TL | 7.30 | 3.11 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

| | | | |
|-----------------|-------|------|------|
| tblVehicleTrips | CW_TL | 9.50 | 4.05 |
| tblVehicleTrips | ST_TR | 1.74 | 4.75 |
| tblVehicleTrips | SU_TR | 1.74 | 4.75 |
| tblVehicleTrips | WD_TR | 1.74 | 4.75 |

2.0 Emissions Summary

SMPs Project (SMP 39) - Bay Area AQMD Air District, 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 | | | | | |
| 2024 | 3.3398 | 36.7632 | 29.2323 | 0.0832 | 9.9811 | 1.3730 | 11.3541 | 3.8617 | 1.2645 | 5.1263 | 0.0000 | 8,309.7567 | 8,309.7567 | 2.0193 | 0.3452 | 8,463.1109 |
| 2025 | 28.9502 | 32.2990 | 35.8368 | 0.1228 | 9.9811 | 1.1684 | 11.1496 | 3.8617 | 1.0763 | 4.9380 | 0.0000 | 12,661.9449 | 12,661.9449 | 2.0184 | 0.8285 | 12,929.4817 |
| 2026 | 28.8508 | 24.2871 | 34.9649 | 0.1205 | 7.4285 | 0.6647 | 8.0933 | 2.0060 | 0.6288 | 2.6348 | 0.0000 | 12,459.6752 | 12,459.6752 | 0.8159 | 0.8090 | 12,721.1478 |
| Maximum | 28.9502 | 36.7632 | 35.8368 | 0.1228 | 9.9811 | 1.3730 | 11.3541 | 3.8617 | 1.2645 | 5.1263 | 0.0000 | 12,661.9449 | 12,661.9449 | 2.0193 | 0.8285 | 12,929.4817 |

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 | | | | | |
| 2024 | 1.7806 | 33.7922 | 38.0191 | 0.0832 | 9.9811 | 1.2269 | 11.2080 | 3.8617 | 1.2146 | 5.0763 | 0.0000 | 8,309.7567 | 8,309.7567 | 2.0193 | 0.3452 | 8,463.1109 |
| 2025 | 28.8005 | 33.5357 | 37.9825 | 0.1228 | 9.9811 | 1.2021 | 11.1832 | 3.8617 | 1.1918 | 5.0535 | 0.0000 | 12,661.9449 | 12,661.9449 | 2.0184 | 0.8285 | 12,929.4817 |
| 2026 | 28.7011 | 23.9136 | 36.1335 | 0.1205 | 7.4285 | 0.6379 | 8.0664 | 2.0060 | 0.6113 | 2.6173 | 0.0000 | 12,459.6752 | 12,459.6752 | 0.8159 | 0.8090 | 12,721.1478 |
| Maximum | 28.8005 | 33.7922 | 38.0191 | 0.1228 | 9.9811 | 1.2269 | 11.2080 | 3.8617 | 1.2146 | 5.0763 | 0.0000 | 12,661.9449 | 12,661.9449 | 2.0193 | 0.8285 | 12,929.4817 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, 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 | 3.04 | 2.26 | -12.10 | 0.00 | 0.00 | 4.34 | 0.46 | 0.00 | -1.62 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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 | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Energy | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| Mobile | 6.8783 | 5.0200 | 44.6104 | 0.0858 | 9.4042 | 0.0643 | 9.4686 | 2.5048 | 0.0599 | 2.5647 | | 9,002.8013 | 9,002.8013 | 0.6495 | 0.4562 | 9,154.9914 |
| Offroad | 0.6013 | 28.7296 | 286.7803 | 0.0459 | | 0.5576 | 0.5576 | | 0.5576 | 0.5576 | 0.0000 | 5,799.0487 | 5,799.0487 | 1.8755 | | 5,845.9369 |
| Stationary | 9.9000e-003 | 0.0277 | 0.0252 | 5.0000e-005 | | 1.4600e-003 | 1.4600e-003 | | 1.4600e-003 | 1.4600e-003 | | 5.0623 | 5.0623 | 7.1000e-004 | | 5.0800 |
| Total | 26.2237 | 34.4776 | 332.2470 | 0.1359 | 9.4042 | 0.6773 | 10.0815 | 2.5048 | 0.6728 | 3.1776 | 0.0000 | 15,645.1237 | 15,645.1237 | 2.5432 | 0.4716 | 15,849.2320 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Energy | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| Mobile | 6.8783 | 5.0200 | 44.6104 | 0.0858 | 9.4042 | 0.0643 | 9.4686 | 2.5048 | 0.0599 | 2.5647 | | 9,002.8013 | 9,002.8013 | 0.6495 | 0.4562 | 9,154.9914 |
| Offroad | 0.6013 | 28.7296 | 286.7803 | 0.0459 | | 0.5576 | 0.5576 | | 0.5576 | 0.5576 | 0.0000 | 5,799.0487 | 5,799.0487 | 1.8755 | | 5,845.9369 |
| Stationary | 9.9000e-003 | 0.0277 | 0.0252 | 5.0000e-005 | | 1.4600e-003 | 1.4600e-003 | | 1.4600e-003 | 1.4600e-003 | | 5.0623 | 5.0623 | 7.1000e-004 | | 5.0800 |
| Total | 26.2237 | 34.4776 | 332.2470 | 0.1359 | 9.4042 | 0.6773 | 10.0815 | 2.5048 | 0.6728 | 3.1776 | 0.0000 | 15,645.1237 | 15,645.1237 | 2.5432 | 0.4716 | 15,849.2320 |

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Grading | Grading | 9/2/2024 | 1/3/2025 | 5 | 90 | |
| 2 | Paving | Paving | 1/4/2025 | 3/28/2025 | 5 | 60 | |
| 3 | Building Construction | Building Construction | 3/29/2025 | 6/19/2026 | 5 | 320 | |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

| | | | | | | |
|---|-----------------------|-----------------------|-----------|----------|---|-----|
| 4 | Architectural Coating | Architectural Coating | 4/12/2025 | 7/3/2026 | 5 | 320 |
|---|-----------------------|-----------------------|-----------|----------|---|-----|

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 270

Acres of Paving: 14.82

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,133,250; Non-Residential Outdoor: 377,750; Striped Parking Area: 39,528 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Grading | Excavators | 2 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| 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 |
|------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Grading | 8 | 20.00 | 0.00 | 3,000.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

| | | | | | | | | | | |
|-----------------------|---|--------|--------|------|-------|------|-------|--------|---------|------|
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 594.00 | 232.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 119.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Grading - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 9.2337 | 0.0000 | 9.2337 | 3.6583 | 0.0000 | 3.6583 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.2181 | 32.3770 | 27.7228 | 0.0621 | | 1.3354 | 1.3354 | | 1.2286 | 1.2286 | | 6,009.7487 | 6,009.7487 | 1.9437 | | 6,058.3405 |
| Total | 3.2181 | 32.3770 | 27.7228 | 0.0621 | 9.2337 | 1.3354 | 10.5691 | 3.6583 | 1.2286 | 4.8869 | | 6,009.7487 | 6,009.7487 | 1.9437 | | 6,058.3405 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.2 Grading - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0711 | 4.3585 | 1.0638 | 0.0198 | 0.5831 | 0.0369 | 0.6199 | 0.1598 | 0.0353 | 0.1951 | | 2,157.8558 | 2,157.8558 | 0.0723 | 0.3420 | 2,261.5744 |
| 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 | 0.0505 | 0.0278 | 0.4456 | 1.3800e-003 | 0.1643 | 7.8000e-004 | 0.1651 | 0.0436 | 7.1000e-004 | 0.0443 | | 142.1522 | 142.1522 | 3.3200e-003 | 3.2200e-003 | 143.1960 |
| Total | 0.1216 | 4.3863 | 1.5094 | 0.0212 | 0.7474 | 0.0376 | 0.7850 | 0.2034 | 0.0360 | 0.2394 | | 2,300.0081 | 2,300.0081 | 0.0756 | 0.3452 | 2,404.7704 |

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 | | | | | 9.2337 | 0.0000 | 9.2337 | 3.6583 | 0.0000 | 3.6583 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6590 | 29.4059 | 36.5097 | 0.0621 | | 1.1893 | 1.1893 | | 1.1787 | 1.1787 | 0.0000 | 6,009.7487 | 6,009.7487 | 1.9437 | | 6,058.3405 |
| Total | 1.6590 | 29.4059 | 36.5097 | 0.0621 | 9.2337 | 1.1893 | 10.4230 | 3.6583 | 1.1787 | 4.8370 | 0.0000 | 6,009.7487 | 6,009.7487 | 1.9437 | | 6,058.3405 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.2 Grading - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0711 | 4.3585 | 1.0638 | 0.0198 | 0.5831 | 0.0369 | 0.6199 | 0.1598 | 0.0353 | 0.1951 | | 2,157.8558 | 2,157.8558 | 0.0723 | 0.3420 | 2,261.5744 |
| 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 | 0.0505 | 0.0278 | 0.4456 | 1.3800e-003 | 0.1643 | 7.8000e-004 | 0.1651 | 0.0436 | 7.1000e-004 | 0.0443 | | 142.1522 | 142.1522 | 3.3200e-003 | 3.2200e-003 | 143.1960 |
| Total | 0.1216 | 4.3863 | 1.5094 | 0.0212 | 0.7474 | 0.0376 | 0.7850 | 0.2034 | 0.0360 | 0.2394 | | 2,300.0081 | 2,300.0081 | 0.0756 | 0.3452 | 2,404.7704 |

3.2 Grading - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 9.2337 | 0.0000 | 9.2337 | 3.6583 | 0.0000 | 3.6583 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.9012 | 27.9429 | 26.3311 | 0.0621 | | 1.1309 | 1.1309 | | 1.0404 | 1.0404 | | 6,008.2814 | 6,008.2814 | 1.9432 | | 6,056.8614 |
| Total | 2.9012 | 27.9429 | 26.3311 | 0.0621 | 9.2337 | 1.1309 | 10.3646 | 3.6583 | 1.0404 | 4.6987 | | 6,008.2814 | 6,008.2814 | 1.9432 | | 6,056.8614 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.2 Grading - 2025

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 | 0.0706 | 4.3311 | 1.0671 | 0.0194 | 0.5831 | 0.0368 | 0.6199 | 0.1598 | 0.0352 | 0.1950 | | 2,116.8647 | 2,116.8647 | 0.0722 | 0.3356 | 2,218.6622 |
| 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 | 0.0475 | 0.0250 | 0.4176 | 1.3300e-003 | 0.1643 | 7.4000e-004 | 0.1650 | 0.0436 | 6.8000e-004 | 0.0443 | | 138.7377 | 138.7377 | 3.0100e-003 | 3.0200e-003 | 139.7137 |
| Total | 0.1181 | 4.3561 | 1.4847 | 0.0207 | 0.7474 | 0.0375 | 0.7849 | 0.2034 | 0.0359 | 0.2393 | | 2,255.6024 | 2,255.6024 | 0.0752 | 0.3386 | 2,358.3759 |

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 | | | | | 9.2337 | 0.0000 | 9.2337 | 3.6583 | 0.0000 | 3.6583 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6354 | 29.1796 | 36.4978 | 0.0621 | | 1.1646 | 1.1646 | | 1.1559 | 1.1559 | 0.0000 | 6,008.2814 | 6,008.2814 | 1.9432 | | 6,056.8614 |
| Total | 1.6354 | 29.1796 | 36.4978 | 0.0621 | 9.2337 | 1.1646 | 10.3983 | 3.6583 | 1.1559 | 4.8142 | 0.0000 | 6,008.2814 | 6,008.2814 | 1.9432 | | 6,056.8614 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.2 Grading - 2025

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 | 0.0706 | 4.3311 | 1.0671 | 0.0194 | 0.5831 | 0.0368 | 0.6199 | 0.1598 | 0.0352 | 0.1950 | | 2,116.8647 | 2,116.8647 | 0.0722 | 0.3356 | 2,218.6622 |
| 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 | 0.0475 | 0.0250 | 0.4176 | 1.3300e-003 | 0.1643 | 7.4000e-004 | 0.1650 | 0.0436 | 6.8000e-004 | 0.0443 | | 138.7377 | 138.7377 | 3.0100e-003 | 3.0200e-003 | 139.7137 |
| Total | 0.1181 | 4.3561 | 1.4847 | 0.0207 | 0.7474 | 0.0375 | 0.7849 | 0.2034 | 0.0359 | 0.2393 | | 2,255.6024 | 2,255.6024 | 0.0752 | 0.3386 | 2,358.3759 |

3.3 Paving - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.9152 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |
| Paving | 0.6471 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.5623 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.3 Paving - 2025

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 | 0.0356 | 0.0188 | 0.3132 | 1.0000e-003 | 0.1232 | 5.6000e-004 | 0.1238 | 0.0327 | 5.1000e-004 | 0.0332 | | 104.0533 | 104.0533 | 2.2600e-003 | 2.2700e-003 | 104.7853 |
| Total | 0.0356 | 0.0188 | 0.3132 | 1.0000e-003 | 0.1232 | 5.6000e-004 | 0.1238 | 0.0327 | 5.1000e-004 | 0.0332 | | 104.0533 | 104.0533 | 2.2600e-003 | 2.2700e-003 | 104.7853 |

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 | 0.7062 | 11.2431 | 17.0215 | 0.0228 | | 0.5486 | 0.5486 | | 0.5370 | 0.5370 | 0.0000 | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |
| Paving | 0.6471 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.3533 | 11.2431 | 17.0215 | 0.0228 | | 0.5486 | 0.5486 | | 0.5370 | 0.5370 | 0.0000 | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.3 Paving - 2025

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 | 0.0356 | 0.0188 | 0.3132 | 1.0000e-003 | 0.1232 | 5.6000e-004 | 0.1238 | 0.0327 | 5.1000e-004 | 0.0332 | | 104.0533 | 104.0533 | 2.2600e-003 | 2.2700e-003 | 104.7853 |
| Total | 0.0356 | 0.0188 | 0.3132 | 1.0000e-003 | 0.1232 | 5.6000e-004 | 0.1238 | 0.0327 | 5.1000e-004 | 0.0332 | | 104.0533 | 104.0533 | 2.2600e-003 | 2.2700e-003 | 104.7853 |

3.4 Building Construction - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |
| Total | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.4 Building Construction - 2025

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 | 0.2393 | 9.9181 | 3.0549 | 0.0454 | 1.5714 | 0.0607 | 1.6321 | 0.4524 | 0.0581 | 0.5105 | | 4,878.024 2 | 4,878.024 2 | 0.1021 | 0.7207 | 5,095.357 9 |
| Worker | 1.4098 | 0.7425 | 12.4033 | 0.0396 | 4.8796 | 0.0221 | 4.9016 | 1.2943 | 0.0203 | 1.3146 | | 4,120.509 1 | 4,120.509 1 | 0.0895 | 0.0898 | 4,149.497 3 |
| Total | 1.6491 | 10.6606 | 15.4581 | 0.0850 | 6.4509 | 0.0828 | 6.5337 | 1.7467 | 0.0784 | 1.8251 | | 8,998.533 3 | 8,998.533 3 | 0.1916 | 0.8105 | 9,244.855 2 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.2178 | 12.0962 | 17.2532 | 0.0270 | | 0.5007 | 0.5007 | | 0.4788 | 0.4788 | 0.0000 | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |
| Total | 1.2178 | 12.0962 | 17.2532 | 0.0270 | | 0.5007 | 0.5007 | | 0.4788 | 0.4788 | 0.0000 | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.4 Building Construction - 2025

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 | 0.2393 | 9.9181 | 3.0549 | 0.0454 | 1.5714 | 0.0607 | 1.6321 | 0.4524 | 0.0581 | 0.5105 | | 4,878.024 2 | 4,878.024 2 | 0.1021 | 0.7207 | 5,095.357 9 |
| Worker | 1.4098 | 0.7425 | 12.4033 | 0.0396 | 4.8796 | 0.0221 | 4.9016 | 1.2943 | 0.0203 | 1.3146 | | 4,120.509 1 | 4,120.509 1 | 0.0895 | 0.0898 | 4,149.497 3 |
| Total | 1.6491 | 10.6606 | 15.4581 | 0.0850 | 6.4509 | 0.0828 | 6.5337 | 1.7467 | 0.0784 | 1.8251 | | 8,998.533 3 | 8,998.533 3 | 0.1916 | 0.8105 | 9,244.855 2 |

3.4 Building Construction - 2026

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |
| Total | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.4 Building Construction - 2026

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 | 0.2341 | 9.8602 | 3.0109 | 0.0446 | 1.5714 | 0.0604 | 1.6318 | 0.4524 | 0.0578 | 0.5102 | | 4,788.614 3 | 4,788.614 3 | 0.1016 | 0.7071 | 5,001.875 9 |
| Worker | 1.3313 | 0.6762 | 11.7136 | 0.0383 | 4.8796 | 0.0210 | 4.9006 | 1.2943 | 0.0194 | 1.3136 | | 4,026.485 6 | 4,026.485 6 | 0.0817 | 0.0849 | 4,053.814 2 |
| Total | 1.5654 | 10.5364 | 14.7245 | 0.0829 | 6.4510 | 0.0814 | 6.5324 | 1.7467 | 0.0771 | 1.8238 | | 8,815.099 9 | 8,815.099 9 | 0.1833 | 0.7920 | 9,055.690 1 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.2178 | 12.0962 | 17.2532 | 0.0270 | | 0.5007 | 0.5007 | | 0.4788 | 0.4788 | 0.0000 | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |
| Total | 1.2178 | 12.0962 | 17.2532 | 0.0270 | | 0.5007 | 0.5007 | | 0.4788 | 0.4788 | 0.0000 | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.4 Building Construction - 2026

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 | 0.2341 | 9.8602 | 3.0109 | 0.0446 | 1.5714 | 0.0604 | 1.6318 | 0.4524 | 0.0578 | 0.5102 | | 4,788.614 3 | 4,788.614 3 | 0.1016 | 0.7071 | 5,001.875 9 |
| Worker | 1.3313 | 0.6762 | 11.7136 | 0.0383 | 4.8796 | 0.0210 | 4.9006 | 1.2943 | 0.0194 | 1.3136 | | 4,026.485 6 | 4,026.485 6 | 0.0817 | 0.0849 | 4,053.814 2 |
| Total | 1.5654 | 10.5364 | 14.7245 | 0.0829 | 6.4510 | 0.0814 | 6.5324 | 1.7467 | 0.0771 | 1.8238 | | 8,815.099 9 | 8,815.099 9 | 0.1833 | 0.7920 | 9,055.690 1 |

3.5 Architectural Coating - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 25.4804 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |
| Total | 25.6513 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.5 Architectural Coating - 2025

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 | 0.2824 | 0.1488 | 2.4848 | 7.9200e-003 | 0.9776 | 4.4200e-003 | 0.9820 | 0.2593 | 4.0700e-003 | 0.2634 | | 825.4892 | 825.4892 | 0.0179 | 0.0180 | 831.2966 |
| Total | 0.2824 | 0.1488 | 2.4848 | 7.9200e-003 | 0.9776 | 4.4200e-003 | 0.9820 | 0.2593 | 4.0700e-003 | 0.2634 | | 825.4892 | 825.4892 | 0.0179 | 0.0180 | 831.2966 |

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 | 25.4804 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |
| Total | 25.6513 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.5 Architectural Coating - 2025

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 | 0.2824 | 0.1488 | 2.4848 | 7.9200e-003 | 0.9776 | 4.4200e-003 | 0.9820 | 0.2593 | 4.0700e-003 | 0.2634 | | 825.4892 | 825.4892 | 0.0179 | 0.0180 | 831.2966 |
| Total | 0.2824 | 0.1488 | 2.4848 | 7.9200e-003 | 0.9776 | 4.4200e-003 | 0.9820 | 0.2593 | 4.0700e-003 | 0.2634 | | 825.4892 | 825.4892 | 0.0179 | 0.0180 | 831.2966 |

3.5 Architectural Coating - 2026

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 | 25.4804 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |
| Total | 25.6513 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.5 Architectural Coating - 2026

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 | 0.2667 | 0.1355 | 2.3467 | 7.6800e-003 | 0.9776 | 4.2100e-003 | 0.9818 | 0.2593 | 3.8800e-003 | 0.2632 | | 806.6528 | 806.6528 | 0.0164 | 0.0170 | 812.1278 |
| Total | 0.2667 | 0.1355 | 2.3467 | 7.6800e-003 | 0.9776 | 4.2100e-003 | 0.9818 | 0.2593 | 3.8800e-003 | 0.2632 | | 806.6528 | 806.6528 | 0.0164 | 0.0170 | 812.1278 |

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 | 25.4804 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |
| Total | 25.6513 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.5 Architectural Coating - 2026

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 | 0.2667 | 0.1355 | 2.3467 | 7.6800e-003 | 0.9776 | 4.2100e-003 | 0.9818 | 0.2593 | 3.8800e-003 | 0.2632 | | 806.6528 | 806.6528 | 0.0164 | 0.0170 | 812.1278 |
| Total | 0.2667 | 0.1355 | 2.3467 | 7.6800e-003 | 0.9776 | 4.2100e-003 | 0.9818 | 0.2593 | 3.8800e-003 | 0.2632 | | 806.6528 | 806.6528 | 0.0164 | 0.0170 | 812.1278 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

SMPs Project (SMP 39) - Bay Area AQMD Air District, 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 | 6.8783 | 5.0200 | 44.6104 | 0.0858 | 9.4042 | 0.0643 | 9.4686 | 2.5048 | 0.0599 | 2.5647 | | 9,002.8013 | 9,002.8013 | 0.6495 | 0.4562 | 9,154.9914 |
| Unmitigated | 6.8783 | 5.0200 | 44.6104 | 0.0858 | 9.4042 | 0.0643 | 9.4686 | 2.5048 | 0.0599 | 2.5647 | | 9,002.8013 | 9,002.8013 | 0.6495 | 0.4562 | 9,154.9914 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|-----------------|-----------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 3,588.63 | 3,588.63 | 3,588.63 | 4,467,720 | 4,467,720 |
| Total | 3,588.63 | 3,588.63 | 3,588.63 | 4,467,720 | 4,467,720 |

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 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No Rail | 4.05 | 3.11 | 3.11 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Parking Lot | 0.554285 | 0.058871 | 0.188253 | 0.120585 | 0.022598 | 0.005697 | 0.010798 | 0.007525 | 0.000977 | 0.000545 | 0.026246 | 0.000848 | 0.002771 |
| Unrefrigerated Warehouse-No Rail | 0.554285 | 0.058871 | 0.188253 | 0.120585 | 0.022598 | 0.005697 | 0.010798 | 0.007525 | 0.000977 | 0.000545 | 0.026246 | 0.000848 | 0.002771 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| NaturalGas Unmitigated | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, 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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 7120.33 | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| Total | | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |

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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 7.12033 | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| Total | | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |

6.0 Area Detail

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|-------------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Unmitigated | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|----------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 2.2339 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 16.4011 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0225 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Total | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, 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 | 2.2339 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 16.4011 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0225 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Total | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
| Forklifts | 30 | 8.00 | 260 | 89 | 0.20 | CNG |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

UnMitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|----------------|-----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | |
| Forklifts | 0.6013 | 28.7296 | 286.7803 | 0.0459 | | 0.5576 | 0.5576 | | 0.5576 | 0.5576 | 0.0000 | 5,799.0487 | 5,799.0487 | 1.8755 | | 5,845.9369 |
| Total | 0.6013 | 28.7296 | 286.7803 | 0.0459 | | 0.5576 | 0.5576 | | 0.5576 | 0.5576 | 0.0000 | 5,799.0487 | 5,799.0487 | 1.8755 | | 5,845.9369 |

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---------------------|--------|-----------|------------|-------------|-------------|-----------|
| Emergency Generator | 3 | 0.01 | 3 | 201 | 0.73 | Diesel |

Boilers

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

User Defined Equipment

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

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

10.1 Stationary Sources

Unmitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|---|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|------|---------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | | |
| Emergency Generator - Diesel (175 - 300 HP) | 9.9000e-003 | 0.0277 | 0.0252 | 5.0000e-005 | | 1.4600e-003 | 1.4600e-003 | | 1.4600e-003 | 1.4600e-003 | | 5.0623 | 5.0623 | 7.1000e-004 | | | 5.0800 |
| Total | 9.9000e-003 | 0.0277 | 0.0252 | 5.0000e-005 | | 1.4600e-003 | 1.4600e-003 | | 1.4600e-003 | 1.4600e-003 | | 5.0623 | 5.0623 | 7.1000e-004 | | | 5.0800 |

11.0 Vegetation

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

SMPs Project (SMP 39)
Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|----------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 755.50 | 1000sqft | 44.28 | 755,500.00 | 0 |
| Parking Lot | 1,647.00 | Space | 14.82 | 658,800.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 64 |
| Climate Zone | 4 | | | Operational Year | 2026 |
| Utility Company | Pacific Gas and Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 203.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Lot acreage adjusted to represent total acreage of project site.
- Construction Phase - Construction phase timing adjusted based on project-specific information provided by the project applicant.
- Grading - Based on applicant provided information.
- Vehicle Trips - Based on project-specific TIS prepared by TJKM.
- Construction Off-road Equipment Mitigation - Based on AQ Questionnaire.
- Mobile Land Use Mitigation -
- Water Mitigation - Compliant with MWELO.
- Operational Off-Road Equipment - Based on applicant provided information.
- Stationary Sources - Emergency Generators and Fire Pumps -

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

| Table Name | Column Name | Default Value | New Value |
|---------------------------------|----------------------------|---------------|-----------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstructionPhase | NumDays | 75.00 | 320.00 |
| tblConstructionPhase | NumDays | 1,110.00 | 320.00 |
| tblConstructionPhase | NumDays | 110.00 | 90.00 |
| tblConstructionPhase | NumDays | 75.00 | 60.00 |
| tblGrading | MaterialImported | 0.00 | 24,000.00 |
| tblLandUse | LotAcreage | 17.34 | 44.28 |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | CNG |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 30.00 |
| tblStationaryGeneratorsPumpsUse | HorsePowerValue | 0.00 | 201.00 |
| tblStationaryGeneratorsPumpsUse | HoursPerDay | 0.00 | 0.01 |
| tblStationaryGeneratorsPumpsUse | HoursPerYear | 0.00 | 3.00 |
| tblStationaryGeneratorsPumpsUse | NumberOfEquipment | 0.00 | 3.00 |
| tblVehicleTrips | CC_TL | 7.30 | 3.11 |
| tblVehicleTrips | CNW_TL | 7.30 | 3.11 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

| | | | |
|-----------------|-------|------|------|
| tblVehicleTrips | CW_TL | 9.50 | 4.05 |
| tblVehicleTrips | ST_TR | 1.74 | 4.75 |
| tblVehicleTrips | SU_TR | 1.74 | 4.75 |
| tblVehicleTrips | WD_TR | 1.74 | 4.75 |

2.0 Emissions Summary

SMPs Project (SMP 39) - Bay Area AQMD Air District, 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 | | | | | |
| 2024 | 3.3369 | 37.0212 | 29.2285 | 0.0832 | 9.9811 | 1.3731 | 11.3542 | 3.8617 | 1.2646 | 5.1263 | 0.0000 | 8,301.763 3 | 8,301.763 3 | 2.0195 | 0.3460 | 8,455.370 5 |
| 2025 | 28.9972 | 32.5550 | 35.4049 | 0.1196 | 9.9811 | 1.1685 | 11.1496 | 3.8617 | 1.0764 | 4.9381 | 0.0000 | 12,320.02 54 | 12,320.02 54 | 2.0186 | 0.8464 | 12,593.28 11 |
| 2026 | 28.9006 | 25.0501 | 34.5906 | 0.1174 | 7.4285 | 0.6649 | 8.0935 | 2.0060 | 0.6290 | 2.6350 | 0.0000 | 12,126.16 51 | 12,126.16 51 | 0.8297 | 0.8260 | 12,393.04 04 |
| Maximum | 28.9972 | 37.0212 | 35.4049 | 0.1196 | 9.9811 | 1.3731 | 11.3542 | 3.8617 | 1.2646 | 5.1263 | 0.0000 | 12,320.02 54 | 12,320.02 54 | 2.0195 | 0.8464 | 12,593.28 11 |

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 | | | | | |
| 2024 | 1.7778 | 34.0502 | 38.0154 | 0.0832 | 9.9811 | 1.2270 | 11.2081 | 3.8617 | 1.2147 | 5.0764 | 0.0000 | 8,301.763 3 | 8,301.763 3 | 2.0195 | 0.3460 | 8,455.370 5 |
| 2025 | 28.8476 | 33.7917 | 37.9809 | 0.1196 | 9.9811 | 1.2021 | 11.1833 | 3.8617 | 1.1918 | 5.0536 | 0.0000 | 12,320.02 54 | 12,320.02 54 | 2.0186 | 0.8464 | 12,593.28 11 |
| 2026 | 28.7509 | 24.6766 | 35.7591 | 0.1174 | 7.4285 | 0.6381 | 8.0666 | 2.0060 | 0.6115 | 2.6175 | 0.0000 | 12,126.16 51 | 12,126.16 51 | 0.8297 | 0.8260 | 12,393.04 04 |
| Maximum | 28.8476 | 34.0502 | 38.0154 | 0.1196 | 9.9811 | 1.2270 | 11.2081 | 3.8617 | 1.2147 | 5.0764 | 0.0000 | 12,320.02 54 | 12,320.02 54 | 2.0195 | 0.8464 | 12,593.28 11 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, 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 |
|-------------------|------|------|--------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 3.03 | 2.23 | -12.63 | 0.00 | 0.00 | 4.34 | 0.46 | 0.00 | -1.62 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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 | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Energy | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| Mobile | 5.9095 | 5.7782 | 50.7080 | 0.0812 | 9.4042 | 0.0644 | 9.4686 | 2.5048 | 0.0599 | 2.5647 | | 8,523.7137 | 8,523.7137 | 0.7646 | 0.5033 | 8,692.8165 |
| Offroad | 0.6013 | 28.7296 | 286.7803 | 0.0459 | | 0.5576 | 0.5576 | | 0.5576 | 0.5576 | 0.0000 | 5,799.0487 | 5,799.0487 | 1.8755 | | 5,845.9369 |
| Stationary | 9.9000e-003 | 0.0277 | 0.0252 | 5.0000e-005 | | 1.4600e-003 | 1.4600e-003 | | 1.4600e-003 | 1.4600e-003 | | 5.0623 | 5.0623 | 7.1000e-004 | | 5.0800 |
| Total | 25.2550 | 35.2358 | 338.3446 | 0.1313 | 9.4042 | 0.6773 | 10.0816 | 2.5048 | 0.6728 | 3.1777 | 0.0000 | 15,166.0362 | 15,166.0362 | 2.6583 | 0.5187 | 15,387.0571 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Energy | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| Mobile | 5.9095 | 5.7782 | 50.7080 | 0.0812 | 9.4042 | 0.0644 | 9.4686 | 2.5048 | 0.0599 | 2.5647 | | 8,523.7137 | 8,523.7137 | 0.7646 | 0.5033 | 8,692.8165 |
| Offroad | 0.6013 | 28.7296 | 286.7803 | 0.0459 | | 0.5576 | 0.5576 | | 0.5576 | 0.5576 | 0.0000 | 5,799.0487 | 5,799.0487 | 1.8755 | | 5,845.9369 |
| Stationary | 9.9000e-003 | 0.0277 | 0.0252 | 5.0000e-005 | | 1.4600e-003 | 1.4600e-003 | | 1.4600e-003 | 1.4600e-003 | | 5.0623 | 5.0623 | 7.1000e-004 | | 5.0800 |
| Total | 25.2550 | 35.2358 | 338.3446 | 0.1313 | 9.4042 | 0.6773 | 10.0816 | 2.5048 | 0.6728 | 3.1777 | 0.0000 | 15,166.0362 | 15,166.0362 | 2.6583 | 0.5187 | 15,387.0571 |

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Grading | Grading | 9/2/2024 | 1/3/2025 | 5 | 90 | |
| 2 | Paving | Paving | 1/4/2025 | 3/28/2025 | 5 | 60 | |
| 3 | Building Construction | Building Construction | 3/29/2025 | 6/19/2026 | 5 | 320 | |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

| | | | | | | |
|---|-----------------------|-----------------------|-----------|----------|---|-----|
| 4 | Architectural Coating | Architectural Coating | 4/12/2025 | 7/3/2026 | 5 | 320 |
|---|-----------------------|-----------------------|-----------|----------|---|-----|

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 270

Acres of Paving: 14.82

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,133,250; Non-Residential Outdoor: 377,750; Striped Parking Area: 39,528 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Grading | Excavators | 2 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| 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 |
|------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Grading | 8 | 20.00 | 0.00 | 3,000.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

| | | | | | | | | | | |
|-----------------------|---|--------|--------|------|-------|------|-------|--------|---------|------|
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 594.00 | 232.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 119.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Grading - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 9.2337 | 0.0000 | 9.2337 | 3.6583 | 0.0000 | 3.6583 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.2181 | 32.3770 | 27.7228 | 0.0621 | | 1.3354 | 1.3354 | | 1.2286 | 1.2286 | | 6,009.7487 | 6,009.7487 | 1.9437 | | 6,058.3405 |
| Total | 3.2181 | 32.3770 | 27.7228 | 0.0621 | 9.2337 | 1.3354 | 10.5691 | 3.6583 | 1.2286 | 4.8869 | | 6,009.7487 | 6,009.7487 | 1.9437 | | 6,058.3405 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.2 Grading - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0667 | 4.6100 | 1.0774 | 0.0198 | 0.5831 | 0.0369 | 0.6200 | 0.1598 | 0.0353 | 0.1951 | | 2,159.917 2 | 2,159.917 2 | 0.0720 | 0.3423 | 2,263.732 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 | 0.0520 | 0.0342 | 0.4283 | 1.2800e-003 | 0.1643 | 7.8000e-004 | 0.1651 | 0.0436 | 7.1000e-004 | 0.0443 | | 132.0975 | 132.0975 | 3.7900e-003 | 3.7100e-003 | 133.2975 |
| Total | 0.1188 | 4.6443 | 1.5057 | 0.0211 | 0.7474 | 0.0377 | 0.7850 | 0.2034 | 0.0360 | 0.2394 | | 2,292.014 6 | 2,292.014 6 | 0.0758 | 0.3460 | 2,397.029 9 |

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 | | | | | 9.2337 | 0.0000 | 9.2337 | 3.6583 | 0.0000 | 3.6583 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6590 | 29.4059 | 36.5097 | 0.0621 | | 1.1893 | 1.1893 | | 1.1787 | 1.1787 | 0.0000 | 6,009.748 7 | 6,009.748 7 | 1.9437 | | 6,058.340 5 |
| Total | 1.6590 | 29.4059 | 36.5097 | 0.0621 | 9.2337 | 1.1893 | 10.4230 | 3.6583 | 1.1787 | 4.8370 | 0.0000 | 6,009.748 7 | 6,009.748 7 | 1.9437 | | 6,058.340 5 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.2 Grading - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0667 | 4.6100 | 1.0774 | 0.0198 | 0.5831 | 0.0369 | 0.6200 | 0.1598 | 0.0353 | 0.1951 | | 2,159.917 2 | 2,159.917 2 | 0.0720 | 0.3423 | 2,263.732 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 | 0.0520 | 0.0342 | 0.4283 | 1.2800e-003 | 0.1643 | 7.8000e-004 | 0.1651 | 0.0436 | 7.1000e-004 | 0.0443 | | 132.0975 | 132.0975 | 3.7900e-003 | 3.7100e-003 | 133.2975 |
| Total | 0.1188 | 4.6443 | 1.5057 | 0.0211 | 0.7474 | 0.0377 | 0.7850 | 0.2034 | 0.0360 | 0.2394 | | 2,292.014 6 | 2,292.014 6 | 0.0758 | 0.3460 | 2,397.029 9 |

3.2 Grading - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 9.2337 | 0.0000 | 9.2337 | 3.6583 | 0.0000 | 3.6583 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.9012 | 27.9429 | 26.3311 | 0.0621 | | 1.1309 | 1.1309 | | 1.0404 | 1.0404 | | 6,008.281 4 | 6,008.281 4 | 1.9432 | | 6,056.861 4 |
| Total | 2.9012 | 27.9429 | 26.3311 | 0.0621 | 9.2337 | 1.1309 | 10.3646 | 3.6583 | 1.0404 | 4.6987 | | 6,008.281 4 | 6,008.281 4 | 1.9432 | | 6,056.861 4 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.2 Grading - 2025

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 | 0.0663 | 4.5813 | 1.0806 | 0.0194 | 0.5831 | 0.0368 | 0.6199 | 0.1598 | 0.0353 | 0.1951 | | 2,118.913 3 | 2,118.913 3 | 0.0720 | 0.3359 | 2,220.806 8 |
| 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 | 0.0490 | 0.0308 | 0.4025 | 1.2400e-003 | 0.1643 | 7.4000e-004 | 0.1650 | 0.0436 | 6.8000e-004 | 0.0443 | | 128.9424 | 128.9424 | 3.4500e-003 | 3.4800e-003 | 130.0645 |
| Total | 0.1153 | 4.6121 | 1.4831 | 0.0207 | 0.7474 | 0.0376 | 0.7850 | 0.2034 | 0.0359 | 0.2393 | | 2,247.855 8 | 2,247.855 8 | 0.0754 | 0.3394 | 2,350.871 3 |

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 | | | | | 9.2337 | 0.0000 | 9.2337 | 3.6583 | 0.0000 | 3.6583 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6354 | 29.1796 | 36.4978 | 0.0621 | | 1.1646 | 1.1646 | | 1.1559 | 1.1559 | 0.0000 | 6,008.281 4 | 6,008.281 4 | 1.9432 | | 6,056.861 4 |
| Total | 1.6354 | 29.1796 | 36.4978 | 0.0621 | 9.2337 | 1.1646 | 10.3983 | 3.6583 | 1.1559 | 4.8142 | 0.0000 | 6,008.281 4 | 6,008.281 4 | 1.9432 | | 6,056.861 4 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.2 Grading - 2025

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 | 0.0663 | 4.5813 | 1.0806 | 0.0194 | 0.5831 | 0.0368 | 0.6199 | 0.1598 | 0.0353 | 0.1951 | | 2,118.913 3 | 2,118.913 3 | 0.0720 | 0.3359 | 2,220.806 8 |
| 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 | 0.0490 | 0.0308 | 0.4025 | 1.2400e-003 | 0.1643 | 7.4000e-004 | 0.1650 | 0.0436 | 6.8000e-004 | 0.0443 | | 128.9424 | 128.9424 | 3.4500e-003 | 3.4800e-003 | 130.0645 |
| Total | 0.1153 | 4.6121 | 1.4831 | 0.0207 | 0.7474 | 0.0376 | 0.7850 | 0.2034 | 0.0359 | 0.2393 | | 2,247.855 8 | 2,247.855 8 | 0.0754 | 0.3394 | 2,350.871 3 |

3.3 Paving - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.9152 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | | 2,206.745 2 | 2,206.745 2 | 0.7137 | | 2,224.587 8 |
| Paving | 0.6471 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.5623 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | | 2,206.745 2 | 2,206.745 2 | 0.7137 | | 2,224.587 8 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.3 Paving - 2025

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 | 0.0368 | 0.0231 | 0.3019 | 9.3000e-004 | 0.1232 | 5.6000e-004 | 0.1238 | 0.0327 | 5.1000e-004 | 0.0332 | | 96.7068 | 96.7068 | 2.5900e-003 | 2.6100e-003 | 97.5484 |
| Total | 0.0368 | 0.0231 | 0.3019 | 9.3000e-004 | 0.1232 | 5.6000e-004 | 0.1238 | 0.0327 | 5.1000e-004 | 0.0332 | | 96.7068 | 96.7068 | 2.5900e-003 | 2.6100e-003 | 97.5484 |

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 | 0.7062 | 11.2431 | 17.0215 | 0.0228 | | 0.5486 | 0.5486 | | 0.5370 | 0.5370 | 0.0000 | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |
| Paving | 0.6471 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.3533 | 11.2431 | 17.0215 | 0.0228 | | 0.5486 | 0.5486 | | 0.5370 | 0.5370 | 0.0000 | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.3 Paving - 2025

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 | 0.0368 | 0.0231 | 0.3019 | 9.3000e-004 | 0.1232 | 5.6000e-004 | 0.1238 | 0.0327 | 5.1000e-004 | 0.0332 | | 96.7068 | 96.7068 | 2.5900e-003 | 2.6100e-003 | 97.5484 |
| Total | 0.0368 | 0.0231 | 0.3019 | 9.3000e-004 | 0.1232 | 5.6000e-004 | 0.1238 | 0.0327 | 5.1000e-004 | 0.0332 | | 96.7068 | 96.7068 | 2.5900e-003 | 2.6100e-003 | 97.5484 |

3.4 Building Construction - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |
| Total | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.4 Building Construction - 2025

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 | 0.2301 | 10.4950 | 3.1618 | 0.0455 | 1.5714 | 0.0610 | 1.6323 | 0.4524 | 0.0583 | 0.5107 | | 4,885.305 1 | 4,885.305 1 | 0.1015 | 0.7225 | 5,103.152 2 |
| Worker | 1.4566 | 0.9157 | 11.9544 | 0.0368 | 4.8796 | 0.0221 | 4.9016 | 1.2943 | 0.0203 | 1.3146 | | 3,829.590 4 | 3,829.590 4 | 0.1024 | 0.1032 | 3,862.915 3 |
| Total | 1.6867 | 11.4107 | 15.1162 | 0.0823 | 6.4509 | 0.0830 | 6.5339 | 1.7467 | 0.0786 | 1.8253 | | 8,714.895 5 | 8,714.895 5 | 0.2039 | 0.8258 | 8,966.067 5 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.2178 | 12.0962 | 17.2532 | 0.0270 | | 0.5007 | 0.5007 | | 0.4788 | 0.4788 | 0.0000 | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |
| Total | 1.2178 | 12.0962 | 17.2532 | 0.0270 | | 0.5007 | 0.5007 | | 0.4788 | 0.4788 | 0.0000 | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.4 Building Construction - 2025

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 | 0.2301 | 10.4950 | 3.1618 | 0.0455 | 1.5714 | 0.0610 | 1.6323 | 0.4524 | 0.0583 | 0.5107 | | 4,885.305 1 | 4,885.305 1 | 0.1015 | 0.7225 | 5,103.152 2 |
| Worker | 1.4566 | 0.9157 | 11.9544 | 0.0368 | 4.8796 | 0.0221 | 4.9016 | 1.2943 | 0.0203 | 1.3146 | | 3,829.590 4 | 3,829.590 4 | 0.1024 | 0.1032 | 3,862.915 3 |
| Total | 1.6867 | 11.4107 | 15.1162 | 0.0823 | 6.4509 | 0.0830 | 6.5339 | 1.7467 | 0.0786 | 1.8253 | | 8,714.895 5 | 8,714.895 5 | 0.2039 | 0.8258 | 8,966.067 5 |

3.4 Building Construction - 2026

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |
| Total | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.4 Building Construction - 2026

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 | 0.2247 | 10.4342 | 3.1169 | 0.0447 | 1.5714 | 0.0606 | 1.6320 | 0.4524 | 0.0580 | 0.5104 | | 4,795.8828 | 4,795.8828 | 0.1010 | 0.7089 | 5,009.6442 |
| Worker | 1.3806 | 0.8338 | 11.3134 | 0.0356 | 4.8796 | 0.0210 | 4.9006 | 1.2943 | 0.0194 | 1.3136 | | 3,742.5832 | 3,742.5832 | 0.0936 | 0.0976 | 3,773.9963 |
| Total | 1.6053 | 11.2679 | 14.4303 | 0.0803 | 6.4510 | 0.0816 | 6.5326 | 1.7467 | 0.0773 | 1.8240 | | 8,538.4659 | 8,538.4659 | 0.1946 | 0.8064 | 8,783.6405 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.2178 | 12.0962 | 17.2532 | 0.0270 | | 0.5007 | 0.5007 | | 0.4788 | 0.4788 | 0.0000 | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |
| Total | 1.2178 | 12.0962 | 17.2532 | 0.0270 | | 0.5007 | 0.5007 | | 0.4788 | 0.4788 | 0.0000 | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.4 Building Construction - 2026

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 | 0.2247 | 10.4342 | 3.1169 | 0.0447 | 1.5714 | 0.0606 | 1.6320 | 0.4524 | 0.0580 | 0.5104 | | 4,795.882 8 | 4,795.882 8 | 0.1010 | 0.7089 | 5,009.644 2 |
| Worker | 1.3806 | 0.8338 | 11.3134 | 0.0356 | 4.8796 | 0.0210 | 4.9006 | 1.2943 | 0.0194 | 1.3136 | | 3,742.583 2 | 3,742.583 2 | 0.0936 | 0.0976 | 3,773.996 3 |
| Total | 1.6053 | 11.2679 | 14.4303 | 0.0803 | 6.4510 | 0.0816 | 6.5326 | 1.7467 | 0.0773 | 1.8240 | | 8,538.465 9 | 8,538.465 9 | 0.1946 | 0.8064 | 8,783.640 5 |

3.5 Architectural Coating - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 25.4804 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |
| Total | 25.6513 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.5 Architectural Coating - 2025

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 | 0.2918 | 0.1835 | 2.3949 | 7.3600e-003 | 0.9776 | 4.4200e-003 | 0.9820 | 0.2593 | 4.0700e-003 | 0.2634 | | 767.2075 | 767.2075 | 0.0205 | 0.0207 | 773.8837 |
| Total | 0.2918 | 0.1835 | 2.3949 | 7.3600e-003 | 0.9776 | 4.4200e-003 | 0.9820 | 0.2593 | 4.0700e-003 | 0.2634 | | 767.2075 | 767.2075 | 0.0205 | 0.0207 | 773.8837 |

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 | 25.4804 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |
| Total | 25.6513 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.5 Architectural Coating - 2025

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 | 0.2918 | 0.1835 | 2.3949 | 7.3600e-003 | 0.9776 | 4.4200e-003 | 0.9820 | 0.2593 | 4.0700e-003 | 0.2634 | | 767.2075 | 767.2075 | 0.0205 | 0.0207 | 773.8837 |
| Total | 0.2918 | 0.1835 | 2.3949 | 7.3600e-003 | 0.9776 | 4.4200e-003 | 0.9820 | 0.2593 | 4.0700e-003 | 0.2634 | | 767.2075 | 767.2075 | 0.0205 | 0.0207 | 773.8837 |

3.5 Architectural Coating - 2026

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 | 25.4804 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |
| Total | 25.6513 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.5 Architectural Coating - 2026

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 | 0.2766 | 0.1670 | 2.2665 | 7.1400e-003 | 0.9776 | 4.2100e-003 | 0.9818 | 0.2593 | 3.8800e-003 | 0.2632 | | 749.7768 | 749.7768 | 0.0188 | 0.0195 | 756.0700 |
| Total | 0.2766 | 0.1670 | 2.2665 | 7.1400e-003 | 0.9776 | 4.2100e-003 | 0.9818 | 0.2593 | 3.8800e-003 | 0.2632 | | 749.7768 | 749.7768 | 0.0188 | 0.0195 | 756.0700 |

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 | 25.4804 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |
| Total | 25.6513 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.5 Architectural Coating - 2026

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 | 0.2766 | 0.1670 | 2.2665 | 7.1400e-003 | 0.9776 | 4.2100e-003 | 0.9818 | 0.2593 | 3.8800e-003 | 0.2632 | | 749.7768 | 749.7768 | 0.0188 | 0.0195 | 756.0700 |
| Total | 0.2766 | 0.1670 | 2.2665 | 7.1400e-003 | 0.9776 | 4.2100e-003 | 0.9818 | 0.2593 | 3.8800e-003 | 0.2632 | | 749.7768 | 749.7768 | 0.0188 | 0.0195 | 756.0700 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

SMPs Project (SMP 39) - Bay Area AQMD Air District, 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 | 5.9095 | 5.7782 | 50.7080 | 0.0812 | 9.4042 | 0.0644 | 9.4686 | 2.5048 | 0.0599 | 2.5647 | | 8,523.7137 | 8,523.7137 | 0.7646 | 0.5033 | 8,692.8165 |
| Unmitigated | 5.9095 | 5.7782 | 50.7080 | 0.0812 | 9.4042 | 0.0644 | 9.4686 | 2.5048 | 0.0599 | 2.5647 | | 8,523.7137 | 8,523.7137 | 0.7646 | 0.5033 | 8,692.8165 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|-----------------|-----------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 3,588.63 | 3,588.63 | 3,588.63 | 4,467,720 | 4,467,720 |
| Total | 3,588.63 | 3,588.63 | 3,588.63 | 4,467,720 | 4,467,720 |

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 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No Rail | 4.05 | 3.11 | 3.11 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Parking Lot | 0.554285 | 0.058871 | 0.188253 | 0.120585 | 0.022598 | 0.005697 | 0.010798 | 0.007525 | 0.000977 | 0.000545 | 0.026246 | 0.000848 | 0.002771 |
| Unrefrigerated Warehouse-No Rail | 0.554285 | 0.058871 | 0.188253 | 0.120585 | 0.022598 | 0.005697 | 0.010798 | 0.007525 | 0.000977 | 0.000545 | 0.026246 | 0.000848 | 0.002771 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| NaturalGas Unmitigated | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, 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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 7120.33 | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| Total | | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |

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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 7.12033 | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| Total | | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |

6.0 Area Detail

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|-------------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Unmitigated | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|----------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 2.2339 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 16.4011 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0225 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Total | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, 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 | 2.2339 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 16.4011 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0225 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Total | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
| Forklifts | 30 | 8.00 | 260 | 89 | 0.20 | CNG |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

UnMitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|----------------|-----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | |
| Forklifts | 0.6013 | 28.7296 | 286.7803 | 0.0459 | | 0.5576 | 0.5576 | | 0.5576 | 0.5576 | 0.0000 | 5,799.0487 | 5,799.0487 | 1.8755 | | 5,845.9369 |
| Total | 0.6013 | 28.7296 | 286.7803 | 0.0459 | | 0.5576 | 0.5576 | | 0.5576 | 0.5576 | 0.0000 | 5,799.0487 | 5,799.0487 | 1.8755 | | 5,845.9369 |

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---------------------|--------|-----------|------------|-------------|-------------|-----------|
| Emergency Generator | 3 | 0.01 | 3 | 201 | 0.73 | Diesel |

Boilers

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

User Defined Equipment

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

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

10.1 Stationary Sources

Unmitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|---|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|------|---------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | | |
| Emergency Generator - Diesel (175 - 300 HP) | 9.9000e-003 | 0.0277 | 0.0252 | 5.0000e-005 | | 1.4600e-003 | 1.4600e-003 | | 1.4600e-003 | 1.4600e-003 | | 5.0623 | 5.0623 | 7.1000e-004 | | | 5.0800 |
| Total | 9.9000e-003 | 0.0277 | 0.0252 | 5.0000e-005 | | 1.4600e-003 | 1.4600e-003 | | 1.4600e-003 | 1.4600e-003 | | 5.0623 | 5.0623 | 7.1000e-004 | | | 5.0800 |

11.0 Vegetation

SMPs Project (SMP 39)

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

Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

| Phase | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|------|-------|-------|------|--------------|---------------|----------|----------|-----------|------|------|------|
| Percent Reduction | | | | | | | | | | | | |
| Architectural Coating | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Building Construction | 0.05 | 0.02 | -0.04 | 0.00 | 0.04 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading | 0.47 | 0.08 | -0.30 | 0.00 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving | 0.13 | -0.31 | -0.16 | 0.00 | -0.31 | -0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

OFFROAD Equipment Mitigation

SMPs Project (SMP 39)**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

| Equipment Type | Fuel Type | Tier | Number Mitigated | Total Number of Equipment | DPF | Oxidation Catalyst |
|---------------------------|-----------|-----------|------------------|---------------------------|-----------|--------------------|
| Air Compressors | Diesel | No Change | 0 | 1 | No Change | 0.00 |
| Cranes | Diesel | Tier 3 | 1 | 1 | No Change | 0.00 |
| Excavators | Diesel | Tier 3 | 2 | 2 | No Change | 0.00 |
| Forklifts | Diesel | No Change | 0 | 3 | No Change | 0.00 |
| Generator Sets | Diesel | No Change | 0 | 1 | No Change | 0.00 |
| Graders | Diesel | Tier 3 | 1 | 1 | No Change | 0.00 |
| Pavers | Diesel | Tier 3 | 2 | 2 | No Change | 0.00 |
| Paving Equipment | Diesel | Tier 3 | 2 | 2 | No Change | 0.00 |
| Rollers | Diesel | No Change | 0 | 2 | No Change | 0.00 |
| Rubber Tired Dozers | Diesel | Tier 3 | 1 | 1 | No Change | 0.00 |
| Scrapers | Diesel | Tier 3 | 2 | 2 | No Change | 0.00 |
| Tractors/Loaders/Backhoes | Diesel | No Change | 0 | 5 | No Change | 0.00 |
| Welders | Diesel | No Change | 0 | 1 | No Change | 0.00 |

SMPs Project (SMP 39)

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

| Equipment Type | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------------------|--------------|--------------|--------------|--------------|--------------|---------------|-------------------|--------------|--------------|--------------|--------------|--------------|
| Unmitigated tons/yr | | | | | | | Unmitigated mt/yr | | | | | |
| Air Compressors | 2.73400E-002 | 1.83280E-001 | 2.89460E-001 | 4.80000E-004 | 8.24000E-003 | 8.24000E-003 | 0.00000E+000 | 4.08521E+001 | 4.08521E+001 | 2.23000E-003 | 0.00000E+000 | 4.09078E+001 |
| Cranes | 4.37900E-002 | 4.43510E-001 | 2.43100E-001 | 8.10000E-004 | 1.88500E-002 | 1.73400E-002 | 0.00000E+000 | 7.09742E+001 | 7.09742E+001 | 2.29500E-002 | 0.00000E+000 | 7.15481E+001 |
| Excavators | 1.61800E-002 | 1.25710E-001 | 2.93840E-001 | 4.70000E-004 | 6.19000E-003 | 5.70000E-003 | 0.00000E+000 | 4.08452E+001 | 4.08452E+001 | 1.32100E-002 | 0.00000E+000 | 4.11754E+001 |
| Forklifts | 4.17100E-002 | 3.92900E-001 | 5.44200E-001 | 7.30000E-004 | 2.10300E-002 | 1.93500E-002 | 0.00000E+000 | 6.44598E+001 | 6.44598E+001 | 2.08500E-002 | 0.00000E+000 | 6.49810E+001 |
| Generator Sets | 4.26200E-002 | 3.83270E-001 | 5.85520E-001 | 1.05000E-003 | 1.52600E-002 | 1.52600E-002 | 0.00000E+000 | 9.04332E+001 | 9.04332E+001 | 3.34000E-003 | 0.00000E+000 | 9.05167E+001 |
| Graders | 1.58900E-002 | 1.85960E-001 | 7.44500E-002 | 3.00000E-004 | 6.03000E-003 | 5.55000E-003 | 0.00000E+000 | 2.61473E+001 | 2.61473E+001 | 8.46000E-003 | 0.00000E+000 | 2.63587E+001 |
| Pavers | 1.04300E-002 | 9.49900E-002 | 1.73750E-001 | 2.80000E-004 | 4.45000E-003 | 4.09000E-003 | 0.00000E+000 | 2.47658E+001 | 2.47658E+001 | 8.01000E-003 | 0.00000E+000 | 2.49660E+001 |
| Paving Equipment | 8.81000E-003 | 7.58800E-002 | 1.52790E-001 | 2.40000E-004 | 3.75000E-003 | 3.45000E-003 | 0.00000E+000 | 2.14631E+001 | 2.14631E+001 | 6.94000E-003 | 0.00000E+000 | 2.16367E+001 |
| Rollers | 8.22000E-003 | 8.65800E-002 | 1.10800E-001 | 1.60000E-004 | 4.35000E-003 | 4.01000E-003 | 0.00000E+000 | 1.38289E+001 | 1.38289E+001 | 4.47000E-003 | 0.00000E+000 | 1.39407E+001 |
| Rubber Tired Dozers | 3.12100E-002 | 3.20000E-001 | 1.40700E-001 | 3.80000E-004 | 1.44100E-002 | 1.32500E-002 | 0.00000E+000 | 3.37601E+001 | 3.37601E+001 | 1.09200E-002 | 0.00000E+000 | 3.40330E+001 |
| Scrapers | 6.81400E-002 | 6.88640E-001 | 5.35270E-001 | 1.37000E-003 | 2.72200E-002 | 2.50400E-002 | 0.00000E+000 | 1.19944E+002 | 1.19944E+002 | 3.87900E-002 | 0.00000E+000 | 1.20914E+002 |
| Tractors/Loaders/Backhoes | 6.84100E-002 | 6.90740E-001 | 1.13764E+000 | 1.59000E-003 | 2.86700E-002 | 2.63700E-002 | 0.00000E+000 | 1.39728E+002 | 1.39728E+002 | 4.51900E-002 | 0.00000E+000 | 1.40857E+002 |
| Welders | 3.51700E-002 | 2.14730E-001 | 2.64260E-001 | 4.10000E-004 | 6.54000E-003 | 6.54000E-003 | 0.00000E+000 | 3.01153E+001 | 3.01153E+001 | 2.86000E-003 | 0.00000E+000 | 3.01868E+001 |

SMPs Project (SMP 39)

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

| Equipment Type | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|--------------|--------------|--------------|--------------|--------------|---------------|-----------------|--------------|--------------|--------------|--------------|--------------|
| Mitigated tons/yr | | | | | | | Mitigated mt/yr | | | | | |
| Air Compressors | 2.73400E-002 | 1.83280E-001 | 2.89460E-001 | 4.80000E-004 | 8.24000E-003 | 8.24000E-003 | 0.00000E+000 | 4.08520E+001 | 4.08520E+001 | 2.23000E-003 | 0.00000E+000 | 4.09077E+001 |
| Cranes | 1.98500E-002 | 3.83750E-001 | 4.30070E-001 | 8.10000E-004 | 1.45600E-002 | 1.45600E-002 | 0.00000E+000 | 7.09741E+001 | 7.09741E+001 | 2.29500E-002 | 0.00000E+000 | 7.15480E+001 |
| Excavators | 1.14400E-002 | 2.21100E-001 | 3.52620E-001 | 4.70000E-004 | 1.06700E-002 | 1.06700E-002 | 0.00000E+000 | 4.08451E+001 | 4.08451E+001 | 1.32100E-002 | 0.00000E+000 | 4.11754E+001 |
| Forklifts | 4.17100E-002 | 3.92900E-001 | 5.44200E-001 | 7.30000E-004 | 2.10300E-002 | 1.93500E-002 | 0.00000E+000 | 6.44598E+001 | 6.44598E+001 | 2.08500E-002 | 0.00000E+000 | 6.49809E+001 |
| Generator Sets | 4.26200E-002 | 3.83270E-001 | 5.85520E-001 | 1.05000E-003 | 1.52600E-002 | 1.52600E-002 | 0.00000E+000 | 9.04331E+001 | 9.04331E+001 | 3.34000E-003 | 0.00000E+000 | 9.05166E+001 |
| Graders | 7.30000E-003 | 1.41170E-001 | 1.58210E-001 | 3.00000E-004 | 5.35000E-003 | 5.35000E-003 | 0.00000E+000 | 2.61472E+001 | 2.61472E+001 | 8.46000E-003 | 0.00000E+000 | 2.63587E+001 |
| Pavers | 6.93000E-003 | 1.34050E-001 | 2.13780E-001 | 2.80000E-004 | 6.47000E-003 | 6.47000E-003 | 0.00000E+000 | 2.47658E+001 | 2.47658E+001 | 8.01000E-003 | 0.00000E+000 | 2.49660E+001 |
| Paving Equipment | 6.03000E-003 | 1.16660E-001 | 1.86060E-001 | 2.40000E-004 | 5.63000E-003 | 5.63000E-003 | 0.00000E+000 | 2.14631E+001 | 2.14631E+001 | 6.94000E-003 | 0.00000E+000 | 2.16366E+001 |
| Rollers | 8.22000E-003 | 8.65800E-002 | 1.10800E-001 | 1.60000E-004 | 4.35000E-003 | 4.01000E-003 | 0.00000E+000 | 1.38289E+001 | 1.38289E+001 | 4.47000E-003 | 0.00000E+000 | 1.39407E+001 |
| Rubber Tired Dozers | 9.41000E-003 | 1.81920E-001 | 2.03880E-001 | 3.80000E-004 | 6.90000E-003 | 6.90000E-003 | 0.00000E+000 | 3.37600E+001 | 3.37600E+001 | 1.09200E-002 | 0.00000E+000 | 3.40330E+001 |
| Scrapers | 3.35500E-002 | 6.48730E-001 | 7.27020E-001 | 1.37000E-003 | 2.46100E-002 | 2.46100E-002 | 0.00000E+000 | 1.19944E+002 | 1.19944E+002 | 3.87900E-002 | 0.00000E+000 | 1.20914E+002 |
| Tractors/Loaders/Balckhoes | 6.84100E-002 | 6.90740E-001 | 1.13764E+000 | 1.59000E-003 | 2.86700E-002 | 2.63700E-002 | 0.00000E+000 | 1.39727E+002 | 1.39727E+002 | 4.51900E-002 | 0.00000E+000 | 1.40857E+002 |
| Welders | 3.51600E-002 | 2.14730E-001 | 2.64260E-001 | 4.10000E-004 | 6.54000E-003 | 6.54000E-003 | 0.00000E+000 | 3.01153E+001 | 3.01153E+001 | 2.86000E-003 | 0.00000E+000 | 3.01868E+001 |

SMPs Project (SMP 39)

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

| Equipment Type | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|--------------|---------------|---------------|--------------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Percent Reduction | | | | | | | | | | | | |
| Air Compressors | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.22393E-006 | 1.22393E-006 | 0.00000E+000 | 0.00000E+000 | 1.22226E-006 |
| Cranes | 5.46700E-001 | 1.34743E-001 | -7.69107E-001 | 0.00000E+000 | 2.27586E-001 | 1.60323E-001 | 0.00000E+000 | 1.26807E-006 | 1.26807E-006 | 0.00000E+000 | 0.00000E+000 | 1.11813E-006 |
| Excavators | 2.92954E-001 | -7.58810E-001 | -2.00041E-001 | 0.00000E+000 | -7.23748E-001 | -8.71930E-001 | 0.00000E+000 | 1.22413E-006 | 1.22413E-006 | 0.00000E+000 | 0.00000E+000 | 1.21432E-006 |
| Forklifts | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.24108E-006 | 1.24108E-006 | 0.00000E+000 | 0.00000E+000 | 1.23113E-006 |
| Generator Sets | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.10579E-006 | 1.10579E-006 | 0.00000E+000 | 0.00000E+000 | 1.21524E-006 |
| Graders | 5.40592E-001 | 2.40858E-001 | -1.12505E+000 | 0.00000E+000 | 1.12769E-001 | 3.60360E-002 | 0.00000E+000 | 1.14735E-006 | 1.14735E-006 | 0.00000E+000 | 0.00000E+000 | 1.13814E-006 |
| Pavers | 3.35570E-001 | -4.11201E-001 | -2.30388E-001 | 0.00000E+000 | -4.53933E-001 | -5.81907E-001 | 0.00000E+000 | 1.21135E-006 | 1.21135E-006 | 0.00000E+000 | 0.00000E+000 | 1.20163E-006 |
| Paving Equipment | 3.15551E-001 | -5.37428E-001 | -2.17750E-001 | 0.00000E+000 | -5.01333E-001 | -6.31884E-001 | 0.00000E+000 | 9.31831E-007 | 9.31831E-007 | 0.00000E+000 | 0.00000E+000 | 9.24357E-007 |
| Rollers | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.44625E-006 | 1.44625E-006 | 0.00000E+000 | 0.00000E+000 | 1.43465E-006 |
| Rubber Tired Dozers | 6.98494E-001 | 4.31500E-001 | -4.49041E-001 | 0.00000E+000 | 5.21166E-001 | 4.79245E-001 | 0.00000E+000 | 1.18483E-006 | 1.18483E-006 | 0.00000E+000 | 0.00000E+000 | 1.17533E-006 |
| Scrapers | 5.07631E-001 | 5.79548E-002 | -3.58230E-001 | 0.00000E+000 | 9.58854E-002 | 1.71725E-002 | 0.00000E+000 | 1.25058E-006 | 1.25058E-006 | 0.00000E+000 | 0.00000E+000 | 1.24055E-006 |
| Tractors/Loaders/Balckhoes | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.21665E-006 | 1.21665E-006 | 0.00000E+000 | 0.00000E+000 | 1.20689E-006 |
| Welders | 2.84333E-004 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.32823E-006 | 1.32823E-006 | 0.00000E+000 | 0.00000E+000 | 1.32508E-006 |

Fugitive Dust Mitigation

Yes/No Mitigation Measure Mitigation Input Mitigation Input Mitigation Input

| | | | | | |
|----|-----------------------------------|----------------|------|-----------------|------|
| No | Soil Stabilizer for unpaved Roads | PM10 Reduction | 0.00 | PM2.5 Reduction | 0.00 |
|----|-----------------------------------|----------------|------|-----------------|------|

SMPs Project (SMP 39)

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

| | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Consumer Products | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hearth | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Landscaping | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mobile | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Natural Gas | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Water Indoor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Water Outdoor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Operational Mobile Mitigation

Project Setting: Suburban Center

| Mitigation | Category | Measure | % Reduction | Input Value 1 | Input Value 2 | Input Value 3 |
|------------|---------------------------|-------------------------------------|-------------|---------------|---------------|---------------|
| No | Land Use | Increase Density | 0.00 | 0.00 | 0.00 | |
| No | Land Use | Increase Diversity | 0.10 | 0.32 | | |
| No | Land Use | Improve Walkability Design | 0.00 | 0.00 | | |
| No | Land Use | Improve Destination Accessibility | 0.00 | 0.00 | | |
| No | Land Use | Increase Transit Accessibility | 0.25 | | | |
| No | Land Use | Integrate Below Market Rate Housing | 0.00 | 0.00 | | |
| | Land Use | Land Use SubTotal | 0.00 | | | |
| No | Neighborhood Enhancements | Improve Pedestrian Network | 1.00 | Project Site | | |
| No | Neighborhood Enhancements | Provide Traffic Calming Measures | | | | |

SMPs Project (SMP 39)

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

| | | | | | |
|----|---------------------------|--|-------|------|------|
| No | Neighborhood Enhancements | Implement NEV Network | 0.00 | | |
| | Neighborhood Enhancements | Neighborhood Enhancements Subtotal | 0.00 | | |
| No | Parking Policy Pricing | Limit Parking Supply | 0.00 | 0.00 | |
| No | Parking Policy Pricing | Unbundle Parking Costs | 0.00 | 0.00 | |
| No | Parking Policy Pricing | On-street Market Pricing | 0.00 | 0.00 | |
| | Parking Policy Pricing | Parking Policy Pricing Subtotal | 0.00 | | |
| No | Transit Improvements | Provide BRT System | 0.00 | 0.00 | |
| No | Transit Improvements | Expand Transit Network | 0.00 | 0.00 | |
| No | Transit Improvements | Increase Transit Frequency | 0.00 | | 0.00 |
| | Transit Improvements | Transit Improvements Subtotal | 0.00 | | |
| | | Land Use and Site Enhancement Subtotal | 0.00 | | |
| No | Commute | Implement Trip Reduction Program | | | |
| No | Commute | Transit Subsidy | | | |
| No | Commute | Implement Employee Parking "Cash Out" | 4.50 | | |
| No | Commute | Workplace Parking Charge | | 0.00 | |
| No | Commute | Encourage Telecommuting and Alternative Work Schedules | 0.00 | | |
| No | Commute | Market Commute Trip Reduction Option | 0.00 | | |
| No | Commute | Employee Vanpool/Shuttle | 0.00 | | 2.00 |
| No | Commute | Provide Ride Sharing Program | 10.00 | | |
| | Commute | Commute Subtotal | 0.00 | | |
| No | School Trip | Implement School Bus Program | 0.00 | | |

SMPs Project (SMP 39)

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

| | | | |
|--|---------------------|------|--|
| | Total VMT Reduction | 0.00 | |
|--|---------------------|------|--|

Area Mitigation

| Measure Implemented | Mitigation Measure | Input Value |
|---------------------|--|-------------|
| No | Only Natural Gas Hearth | |
| No | No Hearth | |
| No | Use Low VOC Cleaning Supplies | |
| No | Use Low VOC Paint (Residential Interior) | 100.00 |
| No | Use Low VOC Paint (Residential Exterior) | 150.00 |
| No | Use Low VOC Paint (Non-residential Interior) | 100.00 |
| No | Use Low VOC Paint (Non-residential Exterior) | 150.00 |
| No | Use Low VOC Paint (Parking) | 150.00 |
| No | % Electric Lawnmower | |
| No | % Electric Leafblower | |
| No | % Electric Chainsaw | |

Energy Mitigation Measures

| Measure Implemented | Mitigation Measure | Input Value 1 | Input Value 2 |
|---------------------|----------------------------------|---------------|---------------|
| No | Exceed Title 24 | | |
| No | Install High Efficiency Lighting | | |
| No | On-site Renewable | | |

SMPs Project (SMP 39)

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

| Appliance Type | Land Use Subtype | % Improvement |
|----------------|------------------|---------------|
| ClothWasher | | 30.00 |
| DishWasher | | 15.00 |
| Fan | | 50.00 |
| Refrigerator | | 15.00 |

Water Mitigation Measures

| Measure Implemented | Mitigation Measure | Input Value 1 | Input Value 2 |
|---------------------|--|---------------|---------------|
| Yes | Apply Water Conservation on Strategy | 0.00 | 20.00 |
| No | Use Reclaimed Water | 0.00 | 0.00 |
| No | Use Grey Water | 0.00 | |
| No | Install low-flow bathroom faucet | 32.00 | |
| No | Install low-flow Kitchen faucet | 18.00 | |
| No | Install low-flow Toilet | 20.00 | |
| No | Install low-flow Shower | 20.00 | |
| No | Turf Reduction | 0.00 | |
| No | Use Water Efficient Irrigation Systems | 6.10 | |
| No | Water Efficient Landscape | 0.00 | 0.00 |

Solid Waste Mitigation

| Mitigation Measures | Input Value |
|---------------------|-------------|
|---------------------|-------------|

SMPs Project (SMP 39)

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

| | |
|--|--|
| Institute Recycling and Composting Services Percent Reduction in Waste Disposed | |
|--|--|

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

SMPs Project (SMP 39)
Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|----------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 755.50 | 1000sqft | 44.28 | 755,500.00 | 0 |
| Parking Lot | 1,647.00 | Space | 14.82 | 658,800.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 64 |
| Climate Zone | 4 | | | Operational Year | 2026 |
| Utility Company | Pacific Gas and Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 203.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Lot acreage adjusted to represent total acreage of project site.
- Construction Phase - Construction phase timing adjusted based on project-specific information provided by the project applicant.
- Grading - Based on applicant provided information.
- Vehicle Trips - Based on project-specific TIS prepared by TJKM.
- Construction Off-road Equipment Mitigation - Based on compliance with AQ mitigation in EIR.
- Mobile Land Use Mitigation -
- Water Mitigation - Compliant with MWELO.
- Operational Off-Road Equipment - Based on applicant provided information.
- Stationary Sources - Emergency Generators and Fire Pumps -

SMPs Project (SMP 39) - Bay Area AQMD Air District, Annual

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

| Table Name | Column Name | Default Value | New Value |
|-------------------------|----------------------------|---------------|--------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 5.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstructionPhase | NumDays | 75.00 | 320.00 |
| tblConstructionPhase | NumDays | 1,110.00 | 200.00 |

Construction Mitigation Modeling Results

SMPs Project (SMP 39) - Bay Area AQMD Air District, Annual

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

| | | | |
|---------------------------------|----------------------------|--------|-----------|
| tblConstructionPhase | NumDays | 110.00 | 90.00 |
| tblConstructionPhase | NumDays | 75.00 | 60.00 |
| tblGrading | MaterialImported | 0.00 | 24,000.00 |
| tblLandUse | LotAcreage | 17.34 | 44.28 |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | CNG |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 30.00 |
| tblStationaryGeneratorsPumpsUse | HorsePowerValue | 0.00 | 201.00 |
| tblStationaryGeneratorsPumpsUse | HoursPerDay | 0.00 | 0.01 |
| tblStationaryGeneratorsPumpsUse | HoursPerYear | 0.00 | 3.00 |
| tblStationaryGeneratorsPumpsUse | NumberOfEquipment | 0.00 | 3.00 |
| tblVehicleTrips | CC_TL | 7.30 | 3.11 |
| tblVehicleTrips | CNW_TL | 7.30 | 3.11 |
| tblVehicleTrips | CW_TL | 9.50 | 4.05 |
| tblVehicleTrips | ST_TR | 1.74 | 4.75 |
| tblVehicleTrips | SU_TR | 1.74 | 4.75 |
| tblVehicleTrips | WD_TR | 1.74 | 4.75 |

2.0 Emissions Summary

SMPs Project (SMP 39) - Bay Area AQMD Air District, Annual

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 | | | | | |
| 2024 | 0.1451 | 1.6065 | 1.2705 | 3.6200e-003 | 0.4379 | 0.0597 | 0.4976 | 0.1682 | 0.0550 | 0.2232 | 0.0000 | 327.6035 | 327.6035 | 0.0797 | 0.0136 | 333.6603 |
| 2025 | 2.7799 | 2.7654 | 3.9191 | 0.0127 | 0.8620 | 0.0800 | 0.9420 | 0.2126 | 0.0753 | 0.2879 | 0.0000 | 1,178.5896 | 1,178.5896 | 0.0969 | 0.0757 | 1,203.5793 |
| 2026 | 1.8843 | 1.5163 | 2.0983 | 7.2300e-003 | 0.4412 | 0.0408 | 0.4821 | 0.1195 | 0.0386 | 0.1582 | 0.0000 | 677.5171 | 677.5171 | 0.0457 | 0.0454 | 692.1774 |
| Maximum | 2.7799 | 2.7654 | 3.9191 | 0.0127 | 0.8620 | 0.0800 | 0.9420 | 0.2126 | 0.0753 | 0.2879 | 0.0000 | 1,178.5896 | 1,178.5896 | 0.0969 | 0.0757 | 1,203.5793 |

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 | | | | | |
| 2024 | 0.0382 | 0.3417 | 1.5000 | 3.6200e-003 | 0.4379 | 6.0500e-003 | 0.4439 | 0.1682 | 5.9800e-003 | 0.1742 | 0.0000 | 327.6033 | 327.6033 | 0.0797 | 0.0136 | 333.6600 |
| 2025 | 2.6414 | 1.3986 | 4.1490 | 0.0127 | 0.8620 | 0.0144 | 0.8763 | 0.2126 | 0.0139 | 0.2265 | 0.0000 | 1,178.5892 | 1,178.5892 | 0.0969 | 0.0757 | 1,203.5789 |
| 2026 | 1.8116 | 0.8249 | 2.1837 | 7.2300e-003 | 0.4412 | 8.0000e-003 | 0.4492 | 0.1195 | 7.7200e-003 | 0.1273 | 0.0000 | 677.5169 | 677.5169 | 0.0457 | 0.0454 | 692.1772 |
| Maximum | 2.6414 | 1.3986 | 4.1490 | 0.0127 | 0.8620 | 0.0144 | 0.8763 | 0.2126 | 0.0139 | 0.2265 | 0.0000 | 1,178.5892 | 1,178.5892 | 0.0969 | 0.0757 | 1,203.5789 |

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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 | 6.61 | 56.44 | -7.48 | 0.00 | 0.00 | 84.26 | 7.92 | 0.00 | 83.66 | 21.12 | 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 | 9-2-2024 | 12-1-2024 | 1.3090 | 0.2842 |
| 2 | 12-2-2024 | 3-1-2025 | 0.6782 | 0.1488 |
| 3 | 3-2-2025 | 6-1-2025 | 1.2022 | 0.8422 |
| 4 | 6-2-2025 | 9-1-2025 | 1.7537 | 1.3452 |
| 5 | 9-2-2025 | 12-1-2025 | 1.7531 | 1.3490 |
| 6 | 12-2-2025 | 3-1-2026 | 1.7369 | 1.3373 |
| 7 | 3-2-2026 | 6-1-2026 | 1.7547 | 1.3462 |
| 8 | 6-2-2026 | 9-1-2026 | 0.4776 | 0.3919 |
| | | Highest | 1.7547 | 1.3490 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Annual

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 | 3.4029 | 2.0000e-004 | 0.0220 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.0429 | 0.0429 | 1.1000e-004 | 0.0000 | 0.0457 |
| Energy | 0.0140 | 0.1274 | 0.1070 | 7.6000e-004 | | 9.6800e-003 | 9.6800e-003 | | 9.6800e-003 | 9.6800e-003 | 0.0000 | 404.6784 | 404.6784 | 0.0457 | 7.7600e-003 | 408.1327 |
| Mobile | 1.0849 | 0.9931 | 8.4970 | 0.0148 | 1.6468 | 0.0117 | 1.6585 | 0.4400 | 0.0109 | 0.4509 | 0.0000 | 1,413.1699 | 1,413.1699 | 0.1176 | 0.0797 | 1,439.8690 |
| Offroad | 0.0782 | 3.7348 | 37.2814 | 5.9600e-003 | | 0.0725 | 0.0725 | | 0.0725 | 0.0725 | 0.0000 | 683.9043 | 683.9043 | 0.2212 | 0.0000 | 689.4340 |
| Stationary | 1.4800e-003 | 4.1500e-003 | 3.7800e-003 | 1.0000e-005 | | 2.2000e-004 | 2.2000e-004 | | 2.2000e-004 | 2.2000e-004 | 0.0000 | 0.6889 | 0.6889 | 1.0000e-004 | 0.0000 | 0.6913 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 144.1581 | 0.0000 | 144.1581 | 8.5195 | 0.0000 | 357.1456 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 55.4272 | 87.4676 | 142.8948 | 5.7071 | 0.1361 | 326.1401 |
| Total | 4.5815 | 4.8597 | 45.9112 | 0.0216 | 1.6468 | 0.0942 | 1.7410 | 0.4400 | 0.0934 | 0.5333 | 199.5853 | 2,589.9519 | 2,789.5372 | 14.6113 | 0.2236 | 3,221.4584 |

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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 | 3.4029 | 2.0000e-004 | 0.0220 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.0429 | 0.0429 | 1.1000e-004 | 0.0000 | 0.0457 |
| Energy | 0.0140 | 0.1274 | 0.1070 | 7.6000e-004 | | 9.6800e-003 | 9.6800e-003 | | 9.6800e-003 | 9.6800e-003 | 0.0000 | 404.6784 | 404.6784 | 0.0457 | 7.7600e-003 | 408.1327 |
| Mobile | 1.0849 | 0.9931 | 8.4970 | 0.0148 | 1.6468 | 0.0117 | 1.6585 | 0.4400 | 0.0109 | 0.4509 | 0.0000 | 1,413.1699 | 1,413.1699 | 0.1176 | 0.0797 | 1,439.8690 |
| Offroad | 0.0782 | 3.7348 | 37.2814 | 5.9600e-003 | | 0.0725 | 0.0725 | | 0.0725 | 0.0725 | 0.0000 | 683.9043 | 683.9043 | 0.2212 | 0.0000 | 689.4340 |
| Stationary | 1.4800e-003 | 4.1500e-003 | 3.7800e-003 | 1.0000e-005 | | 2.2000e-004 | 2.2000e-004 | | 2.2000e-004 | 2.2000e-004 | 0.0000 | 0.6889 | 0.6889 | 1.0000e-004 | 0.0000 | 0.6913 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 144.1581 | 0.0000 | 144.1581 | 8.5195 | 0.0000 | 357.1456 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 55.4272 | 87.4676 | 142.8948 | 5.7071 | 0.1361 | 326.1401 |
| Total | 4.5815 | 4.8597 | 45.9112 | 0.0216 | 1.6468 | 0.0942 | 1.7410 | 0.4400 | 0.0934 | 0.5333 | 199.5853 | 2,589.9519 | 2,789.5372 | 14.6113 | 0.2236 | 3,221.4584 |

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

3.0 Construction Detail

Construction Phase

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| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Grading | Grading | 9/2/2024 | 1/3/2025 | 5 | 90 | |
| 2 | Paving | Paving | 1/4/2025 | 3/28/2025 | 5 | 60 | |
| 3 | Building Construction | Building Construction | 3/29/2025 | 6/19/2026 | 5 | 320 | |
| 4 | Architectural Coating | Architectural Coating | 4/12/2025 | 7/3/2026 | 5 | 320 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 270

Acres of Paving: 14.82

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,133,250; Non-Residential Outdoor: 377,750; Striped Parking Area: 39,528 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Grading | Excavators | 2 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

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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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Grading | 8 | 20.00 | 0.00 | 3,000.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 594.00 | 232.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 119.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Grading - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.4065 | 0.0000 | 0.4065 | 0.1597 | 0.0000 | 0.1597 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1400 | 1.4084 | 1.2059 | 2.7000e-003 | | 0.0581 | 0.0581 | | 0.0534 | 0.0534 | 0.0000 | 237.1599 | 237.1599 | 0.0767 | 0.0000 | 239.0775 |
| Total | 0.1400 | 1.4084 | 1.2059 | 2.7000e-003 | 0.4065 | 0.0581 | 0.4646 | 0.1597 | 0.0534 | 0.2131 | 0.0000 | 237.1599 | 237.1599 | 0.0767 | 0.0000 | 239.0775 |

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3.2 Grading - 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 | 3.0100e-003 | 0.1968 | 0.0465 | 8.6000e-004 | 0.0245 | 1.6000e-003 | 0.0261 | 6.7500e-003 | 1.5300e-003 | 8.2800e-003 | 0.0000 | 85.1886 | 85.1886 | 2.8500e-003 | 0.0135 | 89.2833 |
| 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 | 2.0800e-003 | 1.3600e-003 | 0.0180 | 6.0000e-005 | 6.8700e-003 | 3.0000e-005 | 6.9100e-003 | 1.8300e-003 | 3.0000e-005 | 1.8600e-003 | 0.0000 | 5.2550 | 5.2550 | 1.4000e-004 | 1.4000e-004 | 5.2996 |
| Total | 5.0900e-003 | 0.1981 | 0.0645 | 9.2000e-004 | 0.0314 | 1.6300e-003 | 0.0330 | 8.5800e-003 | 1.5600e-003 | 0.0101 | 0.0000 | 90.4436 | 90.4436 | 2.9900e-003 | 0.0136 | 94.5828 |

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 | | | | | 0.4065 | 0.0000 | 0.4065 | 0.1597 | 0.0000 | 0.1597 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0331 | 0.1436 | 1.4355 | 2.7000e-003 | | 4.4200e-003 | 4.4200e-003 | | 4.4200e-003 | 4.4200e-003 | 0.0000 | 237.1596 | 237.1596 | 0.0767 | 0.0000 | 239.0772 |
| Total | 0.0331 | 0.1436 | 1.4355 | 2.7000e-003 | 0.4065 | 4.4200e-003 | 0.4109 | 0.1597 | 4.4200e-003 | 0.1641 | 0.0000 | 237.1596 | 237.1596 | 0.0767 | 0.0000 | 239.0772 |

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3.2 Grading - 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 | 3.0100e-003 | 0.1968 | 0.0465 | 8.6000e-004 | 0.0245 | 1.6000e-003 | 0.0261 | 6.7500e-003 | 1.5300e-003 | 8.2800e-003 | 0.0000 | 85.1886 | 85.1886 | 2.8500e-003 | 0.0135 | 89.2833 |
| 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 | 2.0800e-003 | 1.3600e-003 | 0.0180 | 6.0000e-005 | 6.8700e-003 | 3.0000e-005 | 6.9100e-003 | 1.8300e-003 | 3.0000e-005 | 1.8600e-003 | 0.0000 | 5.2550 | 5.2550 | 1.4000e-004 | 1.4000e-004 | 5.2996 |
| Total | 5.0900e-003 | 0.1981 | 0.0645 | 9.2000e-004 | 0.0314 | 1.6300e-003 | 0.0330 | 8.5800e-003 | 1.5600e-003 | 0.0101 | 0.0000 | 90.4436 | 90.4436 | 2.9900e-003 | 0.0136 | 94.5828 |

3.2 Grading - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.1536 | 0.0000 | 0.1536 | 0.0206 | 0.0000 | 0.0206 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 4.3500e-003 | 0.0419 | 0.0395 | 9.0000e-005 | | 1.7000e-003 | 1.7000e-003 | | 1.5600e-003 | 1.5600e-003 | 0.0000 | 8.1759 | 8.1759 | 2.6400e-003 | 0.0000 | 8.2420 |
| Total | 4.3500e-003 | 0.0419 | 0.0395 | 9.0000e-005 | 0.1536 | 1.7000e-003 | 0.1553 | 0.0206 | 1.5600e-003 | 0.0222 | 0.0000 | 8.1759 | 8.1759 | 2.6400e-003 | 0.0000 | 8.2420 |

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3.2 Grading - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 1.0000e-004 | 6.7400e-003 | 1.6100e-003 | 3.0000e-005 | 8.5000e-004 | 6.0000e-005 | 9.0000e-004 | 2.3000e-004 | 5.0000e-005 | 2.9000e-004 | 0.0000 | 2.8818 | 2.8818 | 1.0000e-004 | 4.6000e-004 | 3.0203 |
| 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 | 7.0000e-005 | 4.0000e-005 | 5.8000e-004 | 0.0000 | 2.4000e-004 | 0.0000 | 2.4000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1769 | 0.1769 | 0.0000 | 0.0000 | 0.1783 |
| Total | 1.7000e-004 | 6.7800e-003 | 2.1900e-003 | 3.0000e-005 | 1.0900e-003 | 6.0000e-005 | 1.1400e-003 | 2.9000e-004 | 5.0000e-005 | 3.5000e-004 | 0.0000 | 3.0586 | 3.0586 | 1.0000e-004 | 4.6000e-004 | 3.1986 |

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 | | | | | 0.1536 | 0.0000 | 0.1536 | 0.0206 | 0.0000 | 0.0206 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.1400e-003 | 4.9500e-003 | 0.0495 | 9.0000e-005 | | 1.5000e-004 | 1.5000e-004 | | 1.5000e-004 | 1.5000e-004 | 0.0000 | 8.1759 | 8.1759 | 2.6400e-003 | 0.0000 | 8.2420 |
| Total | 1.1400e-003 | 4.9500e-003 | 0.0495 | 9.0000e-005 | 0.1536 | 1.5000e-004 | 0.1537 | 0.0206 | 1.5000e-004 | 0.0208 | 0.0000 | 8.1759 | 8.1759 | 2.6400e-003 | 0.0000 | 8.2420 |

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3.2 Grading - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 1.0000e-004 | 6.7400e-003 | 1.6100e-003 | 3.0000e-005 | 8.5000e-004 | 6.0000e-005 | 9.0000e-004 | 2.3000e-004 | 5.0000e-005 | 2.9000e-004 | 0.0000 | 2.8818 | 2.8818 | 1.0000e-004 | 4.6000e-004 | 3.0203 |
| 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 | 7.0000e-005 | 4.0000e-005 | 5.8000e-004 | 0.0000 | 2.4000e-004 | 0.0000 | 2.4000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1769 | 0.1769 | 0.0000 | 0.0000 | 0.1783 |
| Total | 1.7000e-004 | 6.7800e-003 | 2.1900e-003 | 3.0000e-005 | 1.0900e-003 | 6.0000e-005 | 1.1400e-003 | 2.9000e-004 | 5.0000e-005 | 3.5000e-004 | 0.0000 | 3.0586 | 3.0586 | 1.0000e-004 | 4.6000e-004 | 3.1986 |

3.3 Paving - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0275 | 0.2575 | 0.4373 | 6.8000e-004 | | 0.0126 | 0.0126 | | 0.0116 | 0.0116 | 0.0000 | 60.0578 | 60.0578 | 0.0194 | 0.0000 | 60.5434 |
| Paving | 0.0194 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0469 | 0.2575 | 0.4373 | 6.8000e-004 | | 0.0126 | 0.0126 | | 0.0116 | 0.0116 | 0.0000 | 60.0578 | 60.0578 | 0.0194 | 0.0000 | 60.5434 |

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3.3 Paving - 2025

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 | 1.0100e-003 | 6.3000e-004 | 8.7500e-003 | 3.0000e-005 | 3.5600e-003 | 2.0000e-005 | 3.5700e-003 | 9.5000e-004 | 2.0000e-005 | 9.6000e-004 | 0.0000 | 2.6532 | 2.6532 | 7.0000e-005 | 7.0000e-005 | 2.6747 |
| Total | 1.0100e-003 | 6.3000e-004 | 8.7500e-003 | 3.0000e-005 | 3.5600e-003 | 2.0000e-005 | 3.5700e-003 | 9.5000e-004 | 2.0000e-005 | 9.6000e-004 | 0.0000 | 2.6532 | 2.6532 | 7.0000e-005 | 7.0000e-005 | 2.6747 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 8.4100e-003 | 0.0365 | 0.5189 | 6.8000e-004 | | 1.1200e-003 | 1.1200e-003 | | 1.1200e-003 | 1.1200e-003 | 0.0000 | 60.0577 | 60.0577 | 0.0194 | 0.0000 | 60.5433 |
| Paving | 0.0194 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0278 | 0.0365 | 0.5189 | 6.8000e-004 | | 1.1200e-003 | 1.1200e-003 | | 1.1200e-003 | 1.1200e-003 | 0.0000 | 60.0577 | 60.0577 | 0.0194 | 0.0000 | 60.5433 |

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3.3 Paving - 2025

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 | 1.0100e-003 | 6.3000e-004 | 8.7500e-003 | 3.0000e-005 | 3.5600e-003 | 2.0000e-005 | 3.5700e-003 | 9.5000e-004 | 2.0000e-005 | 9.6000e-004 | 0.0000 | 2.6532 | 2.6532 | 7.0000e-005 | 7.0000e-005 | 2.6747 |
| Total | 1.0100e-003 | 6.3000e-004 | 8.7500e-003 | 3.0000e-005 | 3.5600e-003 | 2.0000e-005 | 3.5700e-003 | 9.5000e-004 | 2.0000e-005 | 9.6000e-004 | 0.0000 | 2.6532 | 2.6532 | 7.0000e-005 | 7.0000e-005 | 2.6747 |

3.4 Building Construction - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.1354 | 1.2345 | 1.5924 | 2.6700e-003 | | 0.0522 | 0.0522 | | 0.0491 | 0.0491 | 0.0000 | 229.6003 | 229.6003 | 0.0540 | 0.0000 | 230.9496 |
| Total | 0.1354 | 1.2345 | 1.5924 | 2.6700e-003 | | 0.0522 | 0.0522 | | 0.0491 | 0.0491 | 0.0000 | 229.6003 | 229.6003 | 0.0540 | 0.0000 | 230.9496 |

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3.4 Building Construction - 2025

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 | 0.0232 | 1.0178 | 0.3073 | 4.5000e-003 | 0.1507 | 6.0200e-003 | 0.1567 | 0.0436 | 5.7600e-003 | 0.0494 | 0.0000 | 438.3755 | 438.3755 | 9.1500e-003 | 0.0648 | 457.9173 |
| Worker | 0.1325 | 0.0829 | 1.1440 | 3.6700e-003 | 0.4647 | 2.1800e-003 | 0.4669 | 0.1236 | 2.0100e-003 | 0.1256 | 0.0000 | 346.7158 | 346.7158 | 8.6300e-003 | 8.7300e-003 | 349.5327 |
| Total | 0.1557 | 1.1007 | 1.4513 | 8.1700e-003 | 0.6154 | 8.2000e-003 | 0.6236 | 0.1672 | 7.7700e-003 | 0.1750 | 0.0000 | 785.0914 | 785.0914 | 0.0178 | 0.0735 | 807.4500 |

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 | 0.0325 | 0.2212 | 1.7286 | 2.6700e-003 | | 4.0400e-003 | 4.0400e-003 | | 4.0400e-003 | 4.0400e-003 | 0.0000 | 229.6000 | 229.6000 | 0.0540 | 0.0000 | 230.9493 |
| Total | 0.0325 | 0.2212 | 1.7286 | 2.6700e-003 | | 4.0400e-003 | 4.0400e-003 | | 4.0400e-003 | 4.0400e-003 | 0.0000 | 229.6000 | 229.6000 | 0.0540 | 0.0000 | 230.9493 |

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3.4 Building Construction - 2025

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 | 0.0232 | 1.0178 | 0.3073 | 4.5000e-003 | 0.1507 | 6.0200e-003 | 0.1567 | 0.0436 | 5.7600e-003 | 0.0494 | 0.0000 | 438.3755 | 438.3755 | 9.1500e-003 | 0.0648 | 457.9173 |
| Worker | 0.1325 | 0.0829 | 1.1440 | 3.6700e-003 | 0.4647 | 2.1800e-003 | 0.4669 | 0.1236 | 2.0100e-003 | 0.1256 | 0.0000 | 346.7158 | 346.7158 | 8.6300e-003 | 8.7300e-003 | 349.5327 |
| Total | 0.1557 | 1.1007 | 1.4513 | 8.1700e-003 | 0.6154 | 8.2000e-003 | 0.6236 | 0.1672 | 7.7700e-003 | 0.1750 | 0.0000 | 785.0914 | 785.0914 | 0.0178 | 0.0735 | 807.4500 |

3.4 Building Construction - 2026

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 | 0.0834 | 0.7607 | 0.9812 | 1.6400e-003 | | 0.0322 | 0.0322 | | 0.0303 | 0.0303 | 0.0000 | 141.4709 | 141.4709 | 0.0333 | 0.0000 | 142.3023 |
| Total | 0.0834 | 0.7607 | 0.9812 | 1.6400e-003 | | 0.0322 | 0.0322 | | 0.0303 | 0.0303 | 0.0000 | 141.4709 | 141.4709 | 0.0333 | 0.0000 | 142.3023 |

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

3.4 Building Construction - 2026

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 | 0.0140 | 0.6235 | 0.1866 | 2.7200e-003 | 0.0929 | 3.6900e-003 | 0.0966 | 0.0269 | 3.5300e-003 | 0.0304 | 0.0000 | 265.1621 | 265.1621 | 5.6100e-003 | 0.0392 | 276.9772 |
| Worker | 0.0772 | 0.0465 | 0.6666 | 2.1900e-003 | 0.2863 | 1.2800e-003 | 0.2876 | 0.0762 | 1.1800e-003 | 0.0774 | 0.0000 | 208.7783 | 208.7783 | 4.8600e-003 | 5.0800e-003 | 210.4145 |
| Total | 0.0912 | 0.6700 | 0.8532 | 4.9100e-003 | 0.3792 | 4.9700e-003 | 0.3842 | 0.1030 | 4.7100e-003 | 0.1077 | 0.0000 | 473.9405 | 473.9405 | 0.0105 | 0.0443 | 487.3917 |

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 | 0.0200 | 0.1363 | 1.0651 | 1.6400e-003 | | 2.4900e-003 | 2.4900e-003 | | 2.4900e-003 | 2.4900e-003 | 0.0000 | 141.4707 | 141.4707 | 0.0333 | 0.0000 | 142.3021 |
| Total | 0.0200 | 0.1363 | 1.0651 | 1.6400e-003 | | 2.4900e-003 | 2.4900e-003 | | 2.4900e-003 | 2.4900e-003 | 0.0000 | 141.4707 | 141.4707 | 0.0333 | 0.0000 | 142.3021 |

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

3.4 Building Construction - 2026

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 | 0.0140 | 0.6235 | 0.1866 | 2.7200e-003 | 0.0929 | 3.6900e-003 | 0.0966 | 0.0269 | 3.5300e-003 | 0.0304 | 0.0000 | 265.1621 | 265.1621 | 5.6100e-003 | 0.0392 | 276.9772 |
| Worker | 0.0772 | 0.0465 | 0.6666 | 2.1900e-003 | 0.2863 | 1.2800e-003 | 0.2876 | 0.0762 | 1.1800e-003 | 0.0774 | 0.0000 | 208.7783 | 208.7783 | 4.8600e-003 | 5.0800e-003 | 210.4145 |
| Total | 0.0912 | 0.6700 | 0.8532 | 4.9100e-003 | 0.3792 | 4.9700e-003 | 0.3842 | 0.1030 | 4.7100e-003 | 0.1077 | 0.0000 | 473.9405 | 473.9405 | 0.0105 | 0.0443 | 487.3917 |

3.5 Architectural Coating - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 2.3952 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0161 | 0.1077 | 0.1701 | 2.8000e-004 | | 4.8400e-003 | 4.8400e-003 | | 4.8400e-003 | 4.8400e-003 | 0.0000 | 24.0006 | 24.0006 | 1.3100e-003 | 0.0000 | 24.0333 |
| Total | 2.4112 | 0.1077 | 0.1701 | 2.8000e-004 | | 4.8400e-003 | 4.8400e-003 | | 4.8400e-003 | 4.8400e-003 | 0.0000 | 24.0006 | 24.0006 | 1.3100e-003 | 0.0000 | 24.0333 |

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

3.5 Architectural Coating - 2025

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 | 0.0252 | 0.0158 | 0.2176 | 7.0000e-004 | 0.0884 | 4.2000e-004 | 0.0888 | 0.0235 | 3.8000e-004 | 0.0239 | 0.0000 | 65.9518 | 65.9518 | 1.6400e-003 | 1.6600e-003 | 66.4877 |
| Total | 0.0252 | 0.0158 | 0.2176 | 7.0000e-004 | 0.0884 | 4.2000e-004 | 0.0888 | 0.0235 | 3.8000e-004 | 0.0239 | 0.0000 | 65.9518 | 65.9518 | 1.6400e-003 | 1.6600e-003 | 66.4877 |

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 | 2.3952 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.7900e-003 | 0.0121 | 0.1723 | 2.8000e-004 | | 3.7000e-004 | 3.7000e-004 | | 3.7000e-004 | 3.7000e-004 | 0.0000 | 24.0006 | 24.0006 | 1.3100e-003 | 0.0000 | 24.0333 |
| Total | 2.3980 | 0.0121 | 0.1723 | 2.8000e-004 | | 3.7000e-004 | 3.7000e-004 | | 3.7000e-004 | 3.7000e-004 | 0.0000 | 24.0006 | 24.0006 | 1.3100e-003 | 0.0000 | 24.0333 |

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3.5 Architectural Coating - 2025

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 | 0.0252 | 0.0158 | 0.2176 | 7.0000e-004 | 0.0884 | 4.2000e-004 | 0.0888 | 0.0235 | 3.8000e-004 | 0.0239 | 0.0000 | 65.9518 | 65.9518 | 1.6400e-003 | 1.6600e-003 | 66.4877 |
| Total | 0.0252 | 0.0158 | 0.2176 | 7.0000e-004 | 0.0884 | 4.2000e-004 | 0.0888 | 0.0235 | 3.8000e-004 | 0.0239 | 0.0000 | 65.9518 | 65.9518 | 1.6400e-003 | 1.6600e-003 | 66.4877 |

3.5 Architectural Coating - 2026

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 | 1.6817 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0113 | 0.0756 | 0.1194 | 2.0000e-004 | | 3.4000e-003 | 3.4000e-003 | | 3.4000e-003 | 3.4000e-003 | 0.0000 | 16.8515 | 16.8515 | 9.2000e-004 | 0.0000 | 16.8745 |
| Total | 1.6930 | 0.0756 | 0.1194 | 2.0000e-004 | | 3.4000e-003 | 3.4000e-003 | | 3.4000e-003 | 3.4000e-003 | 0.0000 | 16.8515 | 16.8515 | 9.2000e-004 | 0.0000 | 16.8745 |

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3.5 Architectural Coating - 2026

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 | 0.0167 | 0.0101 | 0.1445 | 4.7000e-004 | 0.0621 | 2.8000e-004 | 0.0623 | 0.0165 | 2.6000e-004 | 0.0168 | 0.0000 | 45.2543 | 45.2543 | 1.0500e-003 | 1.1000e-003 | 45.6090 |
| Total | 0.0167 | 0.0101 | 0.1445 | 4.7000e-004 | 0.0621 | 2.8000e-004 | 0.0623 | 0.0165 | 2.6000e-004 | 0.0168 | 0.0000 | 45.2543 | 45.2543 | 1.0500e-003 | 1.1000e-003 | 45.6090 |

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 | 1.6817 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.9600e-003 | 8.5000e-003 | 0.1209 | 2.0000e-004 | | 2.6000e-004 | 2.6000e-004 | | 2.6000e-004 | 2.6000e-004 | 0.0000 | 16.8515 | 16.8515 | 9.2000e-004 | 0.0000 | 16.8744 |
| Total | 1.6837 | 8.5000e-003 | 0.1209 | 2.0000e-004 | | 2.6000e-004 | 2.6000e-004 | | 2.6000e-004 | 2.6000e-004 | 0.0000 | 16.8515 | 16.8515 | 9.2000e-004 | 0.0000 | 16.8744 |

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3.5 Architectural Coating - 2026

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 | 0.0167 | 0.0101 | 0.1445 | 4.7000e-004 | 0.0621 | 2.8000e-004 | 0.0623 | 0.0165 | 2.6000e-004 | 0.0168 | 0.0000 | 45.2543 | 45.2543 | 1.0500e-003 | 1.1000e-003 | 45.6090 |
| Total | 0.0167 | 0.0101 | 0.1445 | 4.7000e-004 | 0.0621 | 2.8000e-004 | 0.0623 | 0.0165 | 2.6000e-004 | 0.0168 | 0.0000 | 45.2543 | 45.2543 | 1.0500e-003 | 1.1000e-003 | 45.6090 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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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 | 1.0849 | 0.9931 | 8.4970 | 0.0148 | 1.6468 | 0.0117 | 1.6585 | 0.4400 | 0.0109 | 0.4509 | 0.0000 | 1,413.1699 | 1,413.1699 | 0.1176 | 0.0797 | 1,439.8690 |
| Unmitigated | 1.0849 | 0.9931 | 8.4970 | 0.0148 | 1.6468 | 0.0117 | 1.6585 | 0.4400 | 0.0109 | 0.4509 | 0.0000 | 1,413.1699 | 1,413.1699 | 0.1176 | 0.0797 | 1,439.8690 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|-----------------|-----------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 3,588.63 | 3,588.63 | 3,588.63 | 4,467,720 | 4,467,720 |
| Total | 3,588.63 | 3,588.63 | 3,588.63 | 4,467,720 | 4,467,720 |

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 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No Rail | 4.05 | 3.11 | 3.11 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Parking Lot | 0.554285 | 0.058871 | 0.188253 | 0.120585 | 0.022598 | 0.005697 | 0.010798 | 0.007525 | 0.000977 | 0.000545 | 0.026246 | 0.000848 | 0.002771 |
| Unrefrigerated Warehouse-No Rail | 0.554285 | 0.058871 | 0.188253 | 0.120585 | 0.022598 | 0.005697 | 0.010798 | 0.007525 | 0.000977 | 0.000545 | 0.026246 | 0.000848 | 0.002771 |

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|---------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 265.9901 | 265.9901 | 0.0430 | 5.2200e-003 | 268.6203 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 265.9901 | 265.9901 | 0.0430 | 5.2200e-003 | 268.6203 |
| NaturalGas Mitigated | 0.0140 | 0.1274 | 0.1070 | 7.6000e-004 | | 9.6800e-003 | 9.6800e-003 | | 9.6800e-003 | 9.6800e-003 | 0.0000 | 138.6883 | 138.6883 | 2.6600e-003 | 2.5400e-003 | 139.5124 |
| NaturalGas Unmitigated | 0.0140 | 0.1274 | 0.1070 | 7.6000e-004 | | 9.6800e-003 | 9.6800e-003 | | 9.6800e-003 | 9.6800e-003 | 0.0000 | 138.6883 | 138.6883 | 2.6600e-003 | 2.5400e-003 | 139.5124 |

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5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 2.59892e+006 | 0.0140 | 0.1274 | 0.1070 | 7.6000e-004 | | 9.6800e-003 | 9.6800e-003 | | 9.6800e-003 | 9.6800e-003 | 0.0000 | 138.6883 | 138.6883 | 2.6600e-003 | 2.5400e-003 | 139.5124 |
| Total | | 0.0140 | 0.1274 | 0.1070 | 7.6000e-004 | | 9.6800e-003 | 9.6800e-003 | | 9.6800e-003 | 9.6800e-003 | 0.0000 | 138.6883 | 138.6883 | 2.6600e-003 | 2.5400e-003 | 139.5124 |

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 2.59892e+006 | 0.0140 | 0.1274 | 0.1070 | 7.6000e-004 | | 9.6800e-003 | 9.6800e-003 | | 9.6800e-003 | 9.6800e-003 | 0.0000 | 138.6883 | 138.6883 | 2.6600e-003 | 2.5400e-003 | 139.5124 |
| Total | | 0.0140 | 0.1274 | 0.1070 | 7.6000e-004 | | 9.6800e-003 | 9.6800e-003 | | 9.6800e-003 | 9.6800e-003 | 0.0000 | 138.6883 | 138.6883 | 2.6600e-003 | 2.5400e-003 | 139.5124 |

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5.3 Energy by Land Use - Electricity

Unmitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Parking Lot | 230580 | 21.3341 | 3.4500e-003 | 4.2000e-004 | 21.5451 |
| Unrefrigerated Warehouse-No Rail | 2.64425e+006 | 244.6560 | 0.0396 | 4.8000e-003 | 247.0752 |
| Total | | 265.9901 | 0.0430 | 5.2200e-003 | 268.6203 |

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Parking Lot | 230580 | 21.3341 | 3.4500e-003 | 4.2000e-004 | 21.5451 |
| Unrefrigerated Warehouse-No Rail | 2.64425e+006 | 244.6560 | 0.0396 | 4.8000e-003 | 247.0752 |
| Total | | 265.9901 | 0.0430 | 5.2200e-003 | 268.6203 |

6.0 Area Detail

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6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|--------|--------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 3.4029 | 2.0000e-004 | 0.0220 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.0429 | 0.0429 | 1.1000e-004 | 0.0000 | 0.0457 |
| Unmitigated | 3.4029 | 2.0000e-004 | 0.0220 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.0429 | 0.0429 | 1.1000e-004 | 0.0000 | 0.0457 |

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 | 0.4077 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 2.9932 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 2.0300e-003 | 2.0000e-004 | 0.0220 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.0429 | 0.0429 | 1.1000e-004 | 0.0000 | 0.0457 |
| Total | 3.4029 | 2.0000e-004 | 0.0220 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.0429 | 0.0429 | 1.1000e-004 | 0.0000 | 0.0457 |

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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 | 0.4077 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 2.9932 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 2.0300e-003 | 2.0000e-004 | 0.0220 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.0429 | 0.0429 | 1.1000e-004 | 0.0000 | 0.0457 |
| Total | 3.4029 | 2.0000e-004 | 0.0220 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.0429 | 0.0429 | 1.1000e-004 | 0.0000 | 0.0457 |

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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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 | 142.8948 | 5.7071 | 0.1361 | 326.1401 |
| Unmitigated | 142.8948 | 5.7071 | 0.1361 | 326.1401 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|--------------------|-----------------|---------------|---------------|-----------------|
| Land Use | Mgal | MT/yr | | | |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 174.709 / 0 | 142.8948 | 5.7071 | 0.1361 | 326.1401 |
| Total | | 142.8948 | 5.7071 | 0.1361 | 326.1401 |

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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 | | | |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 174.709 / 0 | 142.8948 | 5.7071 | 0.1361 | 326.1401 |
| Total | | 142.8948 | 5.7071 | 0.1361 | 326.1401 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|----------|
| | MT/yr | | | |
| Mitigated | 144.1581 | 8.5195 | 0.0000 | 357.1456 |
| Unmitigated | 144.1581 | 8.5195 | 0.0000 | 357.1456 |

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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

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|-----------------|---------------|---------------|-----------------|
| Land Use | tons | MT/yr | | | |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 710.17 | 144.1581 | 8.5195 | 0.0000 | 357.1456 |
| Total | | 144.1581 | 8.5195 | 0.0000 | 357.1456 |

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|-----------------|---------------|---------------|-----------------|
| Land Use | tons | MT/yr | | | |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 710.17 | 144.1581 | 8.5195 | 0.0000 | 357.1456 |
| Total | | 144.1581 | 8.5195 | 0.0000 | 357.1456 |

9.0 Operational Offroad

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

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
| Forklifts | 30 | 8.00 | 260 | 89 | 0.20 | CNG |

UnMitigated/Mitigated

| Equipment Type | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|---------------|----------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Forklifts | 0.0782 | 3.7348 | 37.2814 | 5.9600e-003 | | 0.0725 | 0.0725 | | 0.0725 | 0.0725 | 0.0000 | 683.9043 | 683.9043 | 0.2212 | 0.0000 | 689.4340 |
| Total | 0.0782 | 3.7348 | 37.2814 | 5.9600e-003 | | 0.0725 | 0.0725 | | 0.0725 | 0.0725 | 0.0000 | 683.9043 | 683.9043 | 0.2212 | 0.0000 | 689.4340 |

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---------------------|--------|-----------|------------|-------------|-------------|-----------|
| Emergency Generator | 3 | 0.01 | 3 | 201 | 0.73 | Diesel |

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

10.1 Stationary Sources

Unmitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Equipment Type | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Emergency Generator - Diesel (175 - 300 HP) | 1.4800e-003 | 4.1500e-003 | 3.7800e-003 | 1.0000e-005 | | 2.2000e-004 | 2.2000e-004 | | 2.2000e-004 | 2.2000e-004 | 0.0000 | 0.6889 | 0.6889 | 1.0000e-004 | 0.0000 | 0.6913 |
| Total | 1.4800e-003 | 4.1500e-003 | 3.7800e-003 | 1.0000e-005 | | 2.2000e-004 | 2.2000e-004 | | 2.2000e-004 | 2.2000e-004 | 0.0000 | 0.6889 | 0.6889 | 1.0000e-004 | 0.0000 | 0.6913 |

11.0 Vegetation

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

SMPs Project (SMP 39)
Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|----------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 755.50 | 1000sqft | 44.28 | 755,500.00 | 0 |
| Parking Lot | 1,647.00 | Space | 14.82 | 658,800.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 64 |
| Climate Zone | 4 | | | Operational Year | 2026 |
| Utility Company | Pacific Gas and Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 203.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Lot acreage adjusted to represent total acreage of project site.
- Construction Phase - Construction phase timing adjusted based on project-specific information provided by the project applicant.
- Grading - Based on applicant provided information.
- Vehicle Trips - Based on project-specific TIS prepared by TJKM.
- Construction Off-road Equipment Mitigation - Based on compliance with AQ mitigation in EIR.
- Mobile Land Use Mitigation -
- Water Mitigation - Compliant with MWELO.
- Operational Off-Road Equipment - Based on applicant provided information.
- Stationary Sources - Emergency Generators and Fire Pumps -

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

| Table Name | Column Name | Default Value | New Value |
|-------------------------|----------------------------|---------------|--------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 5.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstructionPhase | NumDays | 75.00 | 320.00 |
| tblConstructionPhase | NumDays | 1,110.00 | 200.00 |

Construction Mitigation Modeling Results

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

| | | | |
|---------------------------------|----------------------------|--------|-----------|
| tblConstructionPhase | NumDays | 110.00 | 90.00 |
| tblConstructionPhase | NumDays | 75.00 | 60.00 |
| tblGrading | MaterialImported | 0.00 | 24,000.00 |
| tblLandUse | LotAcreage | 17.34 | 44.28 |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | CNG |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 30.00 |
| tblStationaryGeneratorsPumpsUse | HorsePowerValue | 0.00 | 201.00 |
| tblStationaryGeneratorsPumpsUse | HoursPerDay | 0.00 | 0.01 |
| tblStationaryGeneratorsPumpsUse | HoursPerYear | 0.00 | 3.00 |
| tblStationaryGeneratorsPumpsUse | NumberOfEquipment | 0.00 | 3.00 |
| tblVehicleTrips | CC_TL | 7.30 | 3.11 |
| tblVehicleTrips | CNW_TL | 7.30 | 3.11 |
| tblVehicleTrips | CW_TL | 9.50 | 4.05 |
| tblVehicleTrips | ST_TR | 1.74 | 4.75 |
| tblVehicleTrips | SU_TR | 1.74 | 4.75 |
| tblVehicleTrips | WD_TR | 1.74 | 4.75 |

2.0 Emissions Summary

SMPs Project (SMP 39) - Bay Area AQMD Air District, 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 | | | | | |
| 2024 | 3.3398 | 36.7632 | 29.2323 | 0.0832 | 9.9811 | 1.3730 | 11.3541 | 3.8617 | 1.2645 | 5.1263 | 0.0000 | 8,309.7567 | 8,309.7567 | 2.0193 | 0.3452 | 8,463.1109 |
| 2025 | 28.9502 | 32.2990 | 35.8368 | 0.1228 | 9.9811 | 1.1684 | 11.1496 | 3.8617 | 1.0763 | 4.9380 | 0.0000 | 12,661.9449 | 12,661.9449 | 2.0184 | 0.8285 | 12,929.4817 |
| 2026 | 28.8508 | 24.2871 | 34.9649 | 0.1205 | 7.4285 | 0.6647 | 8.0933 | 2.0060 | 0.6288 | 2.6348 | 0.0000 | 12,459.6752 | 12,459.6752 | 0.8159 | 0.8090 | 12,721.1478 |
| Maximum | 28.9502 | 36.7632 | 35.8368 | 0.1228 | 9.9811 | 1.3730 | 11.3541 | 3.8617 | 1.2645 | 5.1263 | 0.0000 | 12,661.9449 | 12,661.9449 | 2.0193 | 0.8285 | 12,929.4817 |

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 | | | | | |
| 2024 | 0.8832 | 7.6863 | 34.5086 | 0.0832 | 9.9811 | 0.1392 | 10.1203 | 3.8617 | 0.1375 | 3.9992 | 0.0000 | 8,309.7567 | 8,309.7567 | 2.0193 | 0.3452 | 8,463.1109 |
| 2025 | 27.7695 | 13.1728 | 37.2356 | 0.1228 | 9.9811 | 0.1391 | 10.1202 | 3.8617 | 0.1374 | 3.9992 | 0.0000 | 12,661.9449 | 12,661.9449 | 2.0184 | 0.8285 | 12,929.4817 |
| 2026 | 27.6701 | 13.0354 | 36.3638 | 0.1205 | 7.4285 | 0.1304 | 7.5589 | 2.0060 | 0.1258 | 2.1317 | 0.0000 | 12,459.6752 | 12,459.6752 | 0.8159 | 0.8090 | 12,721.1478 |
| Maximum | 27.7695 | 13.1728 | 37.2356 | 0.1228 | 9.9811 | 0.1392 | 10.1203 | 3.8617 | 0.1375 | 3.9992 | 0.0000 | 12,661.9449 | 12,661.9449 | 2.0193 | 0.8285 | 12,929.4817 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, 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 | 7.88 | 63.69 | -8.07 | 0.00 | 0.00 | 87.25 | 9.14 | 0.00 | 86.51 | 20.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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 | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Energy | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| Mobile | 6.8783 | 5.0200 | 44.6104 | 0.0858 | 9.4042 | 0.0643 | 9.4686 | 2.5048 | 0.0599 | 2.5647 | | 9,002.8013 | 9,002.8013 | 0.6495 | 0.4562 | 9,154.9914 |
| Offroad | 0.6013 | 28.7296 | 286.7803 | 0.0459 | | 0.5576 | 0.5576 | | 0.5576 | 0.5576 | 0.0000 | 5,799.0487 | 5,799.0487 | 1.8755 | | 5,845.9369 |
| Stationary | 9.9000e-003 | 0.0277 | 0.0252 | 5.0000e-005 | | 1.4600e-003 | 1.4600e-003 | | 1.4600e-003 | 1.4600e-003 | | 5.0623 | 5.0623 | 7.1000e-004 | | 5.0800 |
| Total | 26.2237 | 34.4776 | 332.2470 | 0.1359 | 9.4042 | 0.6773 | 10.0815 | 2.5048 | 0.6728 | 3.1776 | 0.0000 | 15,645.1237 | 15,645.1237 | 2.5432 | 0.4716 | 15,849.2320 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Energy | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| Mobile | 6.8783 | 5.0200 | 44.6104 | 0.0858 | 9.4042 | 0.0643 | 9.4686 | 2.5048 | 0.0599 | 2.5647 | | 9,002.8013 | 9,002.8013 | 0.6495 | 0.4562 | 9,154.9914 |
| Offroad | 0.6013 | 28.7296 | 286.7803 | 0.0459 | | 0.5576 | 0.5576 | | 0.5576 | 0.5576 | 0.0000 | 5,799.0487 | 5,799.0487 | 1.8755 | | 5,845.9369 |
| Stationary | 9.9000e-003 | 0.0277 | 0.0252 | 5.0000e-005 | | 1.4600e-003 | 1.4600e-003 | | 1.4600e-003 | 1.4600e-003 | | 5.0623 | 5.0623 | 7.1000e-004 | | 5.0800 |
| Total | 26.2237 | 34.4776 | 332.2470 | 0.1359 | 9.4042 | 0.6773 | 10.0815 | 2.5048 | 0.6728 | 3.1776 | 0.0000 | 15,645.1237 | 15,645.1237 | 2.5432 | 0.4716 | 15,849.2320 |

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Grading | Grading | 9/2/2024 | 1/3/2025 | 5 | 90 | |
| 2 | Paving | Paving | 1/4/2025 | 3/28/2025 | 5 | 60 | |
| 3 | Building Construction | Building Construction | 3/29/2025 | 6/19/2026 | 5 | 320 | |

Construction Mitigation Modeling Results

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

| | | | | | | |
|---|-----------------------|-----------------------|-----------|----------|---|-----|
| 4 | Architectural Coating | Architectural Coating | 4/12/2025 | 7/3/2026 | 5 | 320 |
|---|-----------------------|-----------------------|-----------|----------|---|-----|

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 270

Acres of Paving: 14.82

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,133,250; Non-Residential Outdoor: 377,750; Striped Parking Area: 39,528 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Grading | Excavators | 2 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| 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 |
|------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Grading | 8 | 20.00 | 0.00 | 3,000.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

| | | | | | | | | | | |
|-----------------------|---|--------|--------|------|-------|------|-------|--------|---------|------|
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 594.00 | 232.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 119.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Grading - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 9.2337 | 0.0000 | 9.2337 | 3.6583 | 0.0000 | 3.6583 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.2181 | 32.3770 | 27.7228 | 0.0621 | | 1.3354 | 1.3354 | | 1.2286 | 1.2286 | | 6,009.7487 | 6,009.7487 | 1.9437 | | 6,058.3405 |
| Total | 3.2181 | 32.3770 | 27.7228 | 0.0621 | 9.2337 | 1.3354 | 10.5691 | 3.6583 | 1.2286 | 4.8869 | | 6,009.7487 | 6,009.7487 | 1.9437 | | 6,058.3405 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.2 Grading - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0711 | 4.3585 | 1.0638 | 0.0198 | 0.5831 | 0.0369 | 0.6199 | 0.1598 | 0.0353 | 0.1951 | | 2,157.8558 | 2,157.8558 | 0.0723 | 0.3420 | 2,261.5744 |
| 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 | 0.0505 | 0.0278 | 0.4456 | 1.3800e-003 | 0.1643 | 7.8000e-004 | 0.1651 | 0.0436 | 7.1000e-004 | 0.0443 | | 142.1522 | 142.1522 | 3.3200e-003 | 3.2200e-003 | 143.1960 |
| Total | 0.1216 | 4.3863 | 1.5094 | 0.0212 | 0.7474 | 0.0376 | 0.7850 | 0.2034 | 0.0360 | 0.2394 | | 2,300.0081 | 2,300.0081 | 0.0756 | 0.3452 | 2,404.7704 |

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 | | | | | 9.2337 | 0.0000 | 9.2337 | 3.6583 | 0.0000 | 3.6583 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.7616 | 3.3000 | 32.9991 | 0.0621 | | 0.1015 | 0.1015 | | 0.1015 | 0.1015 | 0.0000 | 6,009.7487 | 6,009.7487 | 1.9437 | | 6,058.3405 |
| Total | 0.7616 | 3.3000 | 32.9991 | 0.0621 | 9.2337 | 0.1015 | 9.3353 | 3.6583 | 0.1015 | 3.7599 | 0.0000 | 6,009.7487 | 6,009.7487 | 1.9437 | | 6,058.3405 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.2 Grading - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0711 | 4.3585 | 1.0638 | 0.0198 | 0.5831 | 0.0369 | 0.6199 | 0.1598 | 0.0353 | 0.1951 | | 2,157.8558 | 2,157.8558 | 0.0723 | 0.3420 | 2,261.5744 |
| 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 | 0.0505 | 0.0278 | 0.4456 | 1.3800e-003 | 0.1643 | 7.8000e-004 | 0.1651 | 0.0436 | 7.1000e-004 | 0.0443 | | 142.1522 | 142.1522 | 3.3200e-003 | 3.2200e-003 | 143.1960 |
| Total | 0.1216 | 4.3863 | 1.5094 | 0.0212 | 0.7474 | 0.0376 | 0.7850 | 0.2034 | 0.0360 | 0.2394 | | 2,300.0081 | 2,300.0081 | 0.0756 | 0.3452 | 2,404.7704 |

3.2 Grading - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 9.2337 | 0.0000 | 9.2337 | 3.6583 | 0.0000 | 3.6583 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.9012 | 27.9429 | 26.3311 | 0.0621 | | 1.1309 | 1.1309 | | 1.0404 | 1.0404 | | 6,008.2814 | 6,008.2814 | 1.9432 | | 6,056.8614 |
| Total | 2.9012 | 27.9429 | 26.3311 | 0.0621 | 9.2337 | 1.1309 | 10.3646 | 3.6583 | 1.0404 | 4.6987 | | 6,008.2814 | 6,008.2814 | 1.9432 | | 6,056.8614 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.2 Grading - 2025

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 | 0.0706 | 4.3311 | 1.0671 | 0.0194 | 0.5831 | 0.0368 | 0.6199 | 0.1598 | 0.0352 | 0.1950 | | 2,116.8647 | 2,116.8647 | 0.0722 | 0.3356 | 2,218.6622 |
| 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 | 0.0475 | 0.0250 | 0.4176 | 1.3300e-003 | 0.1643 | 7.4000e-004 | 0.1650 | 0.0436 | 6.8000e-004 | 0.0443 | | 138.7377 | 138.7377 | 3.0100e-003 | 3.0200e-003 | 139.7137 |
| Total | 0.1181 | 4.3561 | 1.4847 | 0.0207 | 0.7474 | 0.0375 | 0.7849 | 0.2034 | 0.0359 | 0.2393 | | 2,255.6024 | 2,255.6024 | 0.0752 | 0.3386 | 2,358.3759 |

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 | | | | | 9.2337 | 0.0000 | 9.2337 | 3.6583 | 0.0000 | 3.6583 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.7616 | 3.3000 | 32.9991 | 0.0621 | | 0.1015 | 0.1015 | | 0.1015 | 0.1015 | 0.0000 | 6,008.2814 | 6,008.2814 | 1.9432 | | 6,056.8614 |
| Total | 0.7616 | 3.3000 | 32.9991 | 0.0621 | 9.2337 | 0.1015 | 9.3353 | 3.6583 | 0.1015 | 3.7599 | 0.0000 | 6,008.2814 | 6,008.2814 | 1.9432 | | 6,056.8614 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.2 Grading - 2025

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 | 0.0706 | 4.3311 | 1.0671 | 0.0194 | 0.5831 | 0.0368 | 0.6199 | 0.1598 | 0.0352 | 0.1950 | | 2,116.8647 | 2,116.8647 | 0.0722 | 0.3356 | 2,218.6622 |
| 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 | 0.0475 | 0.0250 | 0.4176 | 1.3300e-003 | 0.1643 | 7.4000e-004 | 0.1650 | 0.0436 | 6.8000e-004 | 0.0443 | | 138.7377 | 138.7377 | 3.0100e-003 | 3.0200e-003 | 139.7137 |
| Total | 0.1181 | 4.3561 | 1.4847 | 0.0207 | 0.7474 | 0.0375 | 0.7849 | 0.2034 | 0.0359 | 0.2393 | | 2,255.6024 | 2,255.6024 | 0.0752 | 0.3386 | 2,358.3759 |

3.3 Paving - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.9152 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |
| Paving | 0.6471 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.5623 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.3 Paving - 2025

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 | 0.0356 | 0.0188 | 0.3132 | 1.0000e-003 | 0.1232 | 5.6000e-004 | 0.1238 | 0.0327 | 5.1000e-004 | 0.0332 | | 104.0533 | 104.0533 | 2.2600e-003 | 2.2700e-003 | 104.7853 |
| Total | 0.0356 | 0.0188 | 0.3132 | 1.0000e-003 | 0.1232 | 5.6000e-004 | 0.1238 | 0.0327 | 5.1000e-004 | 0.0332 | | 104.0533 | 104.0533 | 2.2600e-003 | 2.2700e-003 | 104.7853 |

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 | 0.2805 | 1.2154 | 17.2957 | 0.0228 | | 0.0374 | 0.0374 | | 0.0374 | 0.0374 | 0.0000 | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |
| Paving | 0.6471 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.9276 | 1.2154 | 17.2957 | 0.0228 | | 0.0374 | 0.0374 | | 0.0374 | 0.0374 | 0.0000 | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.3 Paving - 2025

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 | 0.0356 | 0.0188 | 0.3132 | 1.0000e-003 | 0.1232 | 5.6000e-004 | 0.1238 | 0.0327 | 5.1000e-004 | 0.0332 | | 104.0533 | 104.0533 | 2.2600e-003 | 2.2700e-003 | 104.7853 |
| Total | 0.0356 | 0.0188 | 0.3132 | 1.0000e-003 | 0.1232 | 5.6000e-004 | 0.1238 | 0.0327 | 5.1000e-004 | 0.0332 | | 104.0533 | 104.0533 | 2.2600e-003 | 2.2700e-003 | 104.7853 |

3.4 Building Construction - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |
| Total | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.4 Building Construction - 2025

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 | 0.2393 | 9.9181 | 3.0549 | 0.0454 | 1.5714 | 0.0607 | 1.6321 | 0.4524 | 0.0581 | 0.5105 | | 4,878.024 2 | 4,878.024 2 | 0.1021 | 0.7207 | 5,095.357 9 |
| Worker | 1.4098 | 0.7425 | 12.4033 | 0.0396 | 4.8796 | 0.0221 | 4.9016 | 1.2943 | 0.0203 | 1.3146 | | 4,120.509 1 | 4,120.509 1 | 0.0895 | 0.0898 | 4,149.497 3 |
| Total | 1.6491 | 10.6606 | 15.4581 | 0.0850 | 6.4509 | 0.0828 | 6.5337 | 1.7467 | 0.0784 | 1.8251 | | 8,998.533 3 | 8,998.533 3 | 0.1916 | 0.8105 | 9,244.855 2 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.3278 | 2.2347 | 17.4603 | 0.0270 | | 0.0408 | 0.0408 | | 0.0408 | 0.0408 | 0.0000 | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |
| Total | 0.3278 | 2.2347 | 17.4603 | 0.0270 | | 0.0408 | 0.0408 | | 0.0408 | 0.0408 | 0.0000 | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.4 Building Construction - 2025

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 | 0.2393 | 9.9181 | 3.0549 | 0.0454 | 1.5714 | 0.0607 | 1.6321 | 0.4524 | 0.0581 | 0.5105 | | 4,878.024 2 | 4,878.024 2 | 0.1021 | 0.7207 | 5,095.357 9 |
| Worker | 1.4098 | 0.7425 | 12.4033 | 0.0396 | 4.8796 | 0.0221 | 4.9016 | 1.2943 | 0.0203 | 1.3146 | | 4,120.509 1 | 4,120.509 1 | 0.0895 | 0.0898 | 4,149.497 3 |
| Total | 1.6491 | 10.6606 | 15.4581 | 0.0850 | 6.4509 | 0.0828 | 6.5337 | 1.7467 | 0.0784 | 1.8251 | | 8,998.533 3 | 8,998.533 3 | 0.1916 | 0.8105 | 9,244.855 2 |

3.4 Building Construction - 2026

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |
| Total | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.4 Building Construction - 2026

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 | 0.2341 | 9.8602 | 3.0109 | 0.0446 | 1.5714 | 0.0604 | 1.6318 | 0.4524 | 0.0578 | 0.5102 | | 4,788.614 3 | 4,788.614 3 | 0.1016 | 0.7071 | 5,001.875 9 |
| Worker | 1.3313 | 0.6762 | 11.7136 | 0.0383 | 4.8796 | 0.0210 | 4.9006 | 1.2943 | 0.0194 | 1.3136 | | 4,026.485 6 | 4,026.485 6 | 0.0817 | 0.0849 | 4,053.814 2 |
| Total | 1.5654 | 10.5364 | 14.7245 | 0.0829 | 6.4510 | 0.0814 | 6.5324 | 1.7467 | 0.0771 | 1.8238 | | 8,815.099 9 | 8,815.099 9 | 0.1833 | 0.7920 | 9,055.690 1 |

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 | 0.3278 | 2.2347 | 17.4603 | 0.0270 | | 0.0408 | 0.0408 | | 0.0408 | 0.0408 | 0.0000 | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |
| Total | 0.3278 | 2.2347 | 17.4603 | 0.0270 | | 0.0408 | 0.0408 | | 0.0408 | 0.0408 | 0.0000 | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.4 Building Construction - 2026

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 | 0.2341 | 9.8602 | 3.0109 | 0.0446 | 1.5714 | 0.0604 | 1.6318 | 0.4524 | 0.0578 | 0.5102 | | 4,788.614 3 | 4,788.614 3 | 0.1016 | 0.7071 | 5,001.875 9 |
| Worker | 1.3313 | 0.6762 | 11.7136 | 0.0383 | 4.8796 | 0.0210 | 4.9006 | 1.2943 | 0.0194 | 1.3136 | | 4,026.485 6 | 4,026.485 6 | 0.0817 | 0.0849 | 4,053.814 2 |
| Total | 1.5654 | 10.5364 | 14.7245 | 0.0829 | 6.4510 | 0.0814 | 6.5324 | 1.7467 | 0.0771 | 1.8238 | | 8,815.099 9 | 8,815.099 9 | 0.1833 | 0.7920 | 9,055.690 1 |

3.5 Architectural Coating - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 25.4804 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |
| Total | 25.6513 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.5 Architectural Coating - 2025

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 | 0.2824 | 0.1488 | 2.4848 | 7.9200e-003 | 0.9776 | 4.4200e-003 | 0.9820 | 0.2593 | 4.0700e-003 | 0.2634 | | 825.4892 | 825.4892 | 0.0179 | 0.0180 | 831.2966 |
| Total | 0.2824 | 0.1488 | 2.4848 | 7.9200e-003 | 0.9776 | 4.4200e-003 | 0.9820 | 0.2593 | 4.0700e-003 | 0.2634 | | 825.4892 | 825.4892 | 0.0179 | 0.0180 | 831.2966 |

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 | 25.4804 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.0297 | 0.1288 | 1.8324 | 2.9700e-003 | | 3.9600e-003 | 3.9600e-003 | | 3.9600e-003 | 3.9600e-003 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |
| Total | 25.5101 | 0.1288 | 1.8324 | 2.9700e-003 | | 3.9600e-003 | 3.9600e-003 | | 3.9600e-003 | 3.9600e-003 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.5 Architectural Coating - 2025

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 | 0.2824 | 0.1488 | 2.4848 | 7.9200e-003 | 0.9776 | 4.4200e-003 | 0.9820 | 0.2593 | 4.0700e-003 | 0.2634 | | 825.4892 | 825.4892 | 0.0179 | 0.0180 | 831.2966 |
| Total | 0.2824 | 0.1488 | 2.4848 | 7.9200e-003 | 0.9776 | 4.4200e-003 | 0.9820 | 0.2593 | 4.0700e-003 | 0.2634 | | 825.4892 | 825.4892 | 0.0179 | 0.0180 | 831.2966 |

3.5 Architectural Coating - 2026

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 | 25.4804 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |
| Total | 25.6513 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.5 Architectural Coating - 2026

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 | 0.2667 | 0.1355 | 2.3467 | 7.6800e-003 | 0.9776 | 4.2100e-003 | 0.9818 | 0.2593 | 3.8800e-003 | 0.2632 | | 806.6528 | 806.6528 | 0.0164 | 0.0170 | 812.1278 |
| Total | 0.2667 | 0.1355 | 2.3467 | 7.6800e-003 | 0.9776 | 4.2100e-003 | 0.9818 | 0.2593 | 3.8800e-003 | 0.2632 | | 806.6528 | 806.6528 | 0.0164 | 0.0170 | 812.1278 |

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 | 25.4804 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.0297 | 0.1288 | 1.8324 | 2.9700e-003 | | 3.9600e-003 | 3.9600e-003 | | 3.9600e-003 | 3.9600e-003 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |
| Total | 25.5101 | 0.1288 | 1.8324 | 2.9700e-003 | | 3.9600e-003 | 3.9600e-003 | | 3.9600e-003 | 3.9600e-003 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

3.5 Architectural Coating - 2026

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 | 0.2667 | 0.1355 | 2.3467 | 7.6800e-003 | 0.9776 | 4.2100e-003 | 0.9818 | 0.2593 | 3.8800e-003 | 0.2632 | | 806.6528 | 806.6528 | 0.0164 | 0.0170 | 812.1278 |
| Total | 0.2667 | 0.1355 | 2.3467 | 7.6800e-003 | 0.9776 | 4.2100e-003 | 0.9818 | 0.2593 | 3.8800e-003 | 0.2632 | | 806.6528 | 806.6528 | 0.0164 | 0.0170 | 812.1278 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

SMPs Project (SMP 39) - Bay Area AQMD Air District, 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 | 6.8783 | 5.0200 | 44.6104 | 0.0858 | 9.4042 | 0.0643 | 9.4686 | 2.5048 | 0.0599 | 2.5647 | | 9,002.8013 | 9,002.8013 | 0.6495 | 0.4562 | 9,154.9914 |
| Unmitigated | 6.8783 | 5.0200 | 44.6104 | 0.0858 | 9.4042 | 0.0643 | 9.4686 | 2.5048 | 0.0599 | 2.5647 | | 9,002.8013 | 9,002.8013 | 0.6495 | 0.4562 | 9,154.9914 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|-----------------|-----------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 3,588.63 | 3,588.63 | 3,588.63 | 4,467,720 | 4,467,720 |
| Total | 3,588.63 | 3,588.63 | 3,588.63 | 4,467,720 | 4,467,720 |

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 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No Rail | 4.05 | 3.11 | 3.11 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Parking Lot | 0.554285 | 0.058871 | 0.188253 | 0.120585 | 0.022598 | 0.005697 | 0.010798 | 0.007525 | 0.000977 | 0.000545 | 0.026246 | 0.000848 | 0.002771 |
| Unrefrigerated Warehouse-No Rail | 0.554285 | 0.058871 | 0.188253 | 0.120585 | 0.022598 | 0.005697 | 0.010798 | 0.007525 | 0.000977 | 0.000545 | 0.026246 | 0.000848 | 0.002771 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| NaturalGas Unmitigated | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, 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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 7120.33 | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| Total | | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |

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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 7.12033 | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| Total | | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |

6.0 Area Detail

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|-------------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Unmitigated | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|----------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 2.2339 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 16.4011 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0225 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Total | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, 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 | 2.2339 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 16.4011 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0225 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Total | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
| Forklifts | 30 | 8.00 | 260 | 89 | 0.20 | CNG |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

UnMitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|----------------|-----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | |
| Forklifts | 0.6013 | 28.7296 | 286.7803 | 0.0459 | | 0.5576 | 0.5576 | | 0.5576 | 0.5576 | 0.0000 | 5,799.0487 | 5,799.0487 | 1.8755 | | 5,845.9369 |
| Total | 0.6013 | 28.7296 | 286.7803 | 0.0459 | | 0.5576 | 0.5576 | | 0.5576 | 0.5576 | 0.0000 | 5,799.0487 | 5,799.0487 | 1.8755 | | 5,845.9369 |

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---------------------|--------|-----------|------------|-------------|-------------|-----------|
| Emergency Generator | 3 | 0.01 | 3 | 201 | 0.73 | Diesel |

Boilers

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

User Defined Equipment

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

SMPs Project (SMP 39) - Bay Area AQMD Air District, Summer

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

10.1 Stationary Sources

Unmitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|---|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|------|---------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | | |
| Emergency Generator - Diesel (175 - 300 HP) | 9.9000e-003 | 0.0277 | 0.0252 | 5.0000e-005 | | 1.4600e-003 | 1.4600e-003 | | 1.4600e-003 | 1.4600e-003 | | 5.0623 | 5.0623 | 7.1000e-004 | | | 5.0800 |
| Total | 9.9000e-003 | 0.0277 | 0.0252 | 5.0000e-005 | | 1.4600e-003 | 1.4600e-003 | | 1.4600e-003 | 1.4600e-003 | | 5.0623 | 5.0623 | 7.1000e-004 | | | 5.0800 |

11.0 Vegetation

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

SMPs Project (SMP 39)

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|----------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 755.50 | 1000sqft | 44.28 | 755,500.00 | 0 |
| Parking Lot | 1,647.00 | Space | 14.82 | 658,800.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 64 |
| Climate Zone | 4 | | | Operational Year | 2026 |
| Utility Company | Pacific Gas and Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 203.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Lot acreage adjusted to represent total acreage of project site.
- Construction Phase - Construction phase timing adjusted based on project-specific information provided by the project applicant.
- Grading - Based on applicant provided information.
- Vehicle Trips - Based on project-specific TIS prepared by TJKM.
- Construction Off-road Equipment Mitigation - Based on compliance with AQ mitigation in EIR.
- Mobile Land Use Mitigation -
- Water Mitigation - Compliant with MWELO.
- Operational Off-Road Equipment - Based on applicant provided information.
- Stationary Sources - Emergency Generators and Fire Pumps -

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

| Table Name | Column Name | Default Value | New Value |
|-------------------------|----------------------------|---------------|--------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 5.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstructionPhase | NumDays | 75.00 | 320.00 |
| tblConstructionPhase | NumDays | 1,110.00 | 200.00 |

Construction Mitigation Modeling Results

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

| | | | |
|---------------------------------|----------------------------|--------|-----------|
| tblConstructionPhase | NumDays | 110.00 | 90.00 |
| tblConstructionPhase | NumDays | 75.00 | 60.00 |
| tblGrading | MaterialImported | 0.00 | 24,000.00 |
| tblLandUse | LotAcreage | 17.34 | 44.28 |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | CNG |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 30.00 |
| tblStationaryGeneratorsPumpsUse | HorsePowerValue | 0.00 | 201.00 |
| tblStationaryGeneratorsPumpsUse | HoursPerDay | 0.00 | 0.01 |
| tblStationaryGeneratorsPumpsUse | HoursPerYear | 0.00 | 3.00 |
| tblStationaryGeneratorsPumpsUse | NumberOfEquipment | 0.00 | 3.00 |
| tblVehicleTrips | CC_TL | 7.30 | 3.11 |
| tblVehicleTrips | CNW_TL | 7.30 | 3.11 |
| tblVehicleTrips | CW_TL | 9.50 | 4.05 |
| tblVehicleTrips | ST_TR | 1.74 | 4.75 |
| tblVehicleTrips | SU_TR | 1.74 | 4.75 |
| tblVehicleTrips | WD_TR | 1.74 | 4.75 |

2.0 Emissions Summary

SMPs Project (SMP 39) - Bay Area AQMD Air District, 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 | | | | | |
| 2024 | 3.3369 | 37.0212 | 29.2285 | 0.0832 | 9.9811 | 1.3731 | 11.3542 | 3.8617 | 1.2646 | 5.1263 | 0.0000 | 8,301.763 3 | 8,301.763 3 | 2.0195 | 0.3460 | 8,455.370 5 |
| 2025 | 28.9972 | 32.5550 | 35.4049 | 0.1196 | 9.9811 | 1.1685 | 11.1496 | 3.8617 | 1.0764 | 4.9381 | 0.0000 | 12,320.02 54 | 12,320.02 54 | 2.0186 | 0.8464 | 12,593.28 11 |
| 2026 | 28.9006 | 25.0501 | 34.5906 | 0.1174 | 7.4285 | 0.6649 | 8.0935 | 2.0060 | 0.6290 | 2.6350 | 0.0000 | 12,126.16 51 | 12,126.16 51 | 0.8297 | 0.8260 | 12,393.04 04 |
| Maximum | 28.9972 | 37.0212 | 35.4049 | 0.1196 | 9.9811 | 1.3731 | 11.3542 | 3.8617 | 1.2646 | 5.1263 | 0.0000 | 12,320.02 54 | 12,320.02 54 | 2.0195 | 0.8464 | 12,593.28 11 |

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 | | | | | |
| 2024 | 0.8803 | 7.9443 | 34.5049 | 0.0832 | 9.9811 | 0.1392 | 10.1203 | 3.8617 | 0.1376 | 3.9993 | 0.0000 | 8,301.763 3 | 8,301.763 3 | 2.0195 | 0.3460 | 8,455.370 5 |
| 2025 | 27.8165 | 13.9576 | 36.8038 | 0.1196 | 9.9811 | 0.1391 | 10.1203 | 3.8617 | 0.1375 | 3.9992 | 0.0000 | 12,320.02 54 | 12,320.02 54 | 2.0186 | 0.8464 | 12,593.28 11 |
| 2026 | 27.7198 | 13.7984 | 35.9894 | 0.1174 | 7.4285 | 0.1306 | 7.5591 | 2.0060 | 0.1260 | 2.1319 | 0.0000 | 12,126.16 51 | 12,126.16 51 | 0.8297 | 0.8260 | 12,393.04 04 |
| Maximum | 27.8165 | 13.9576 | 36.8038 | 0.1196 | 9.9811 | 0.1392 | 10.1203 | 3.8617 | 0.1376 | 3.9993 | 0.0000 | 12,320.02 54 | 12,320.02 54 | 2.0195 | 0.8464 | 12,593.28 11 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, 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 |
|-------------------|------|-------|-------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 7.87 | 62.27 | -8.14 | 0.00 | 0.00 | 87.25 | 9.14 | 0.00 | 86.50 | 20.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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 | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Energy | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| Mobile | 5.9095 | 5.7782 | 50.7080 | 0.0812 | 9.4042 | 0.0644 | 9.4686 | 2.5048 | 0.0599 | 2.5647 | | 8,523.7137 | 8,523.7137 | 0.7646 | 0.5033 | 8,692.8165 |
| Offroad | 0.6013 | 28.7296 | 286.7803 | 0.0459 | | 0.5576 | 0.5576 | | 0.5576 | 0.5576 | 0.0000 | 5,799.0487 | 5,799.0487 | 1.8755 | | 5,845.9369 |
| Stationary | 9.9000e-003 | 0.0277 | 0.0252 | 5.0000e-005 | | 1.4600e-003 | 1.4600e-003 | | 1.4600e-003 | 1.4600e-003 | | 5.0623 | 5.0623 | 7.1000e-004 | | 5.0800 |
| Total | 25.2550 | 35.2358 | 338.3446 | 0.1313 | 9.4042 | 0.6773 | 10.0816 | 2.5048 | 0.6728 | 3.1777 | 0.0000 | 15,166.0362 | 15,166.0362 | 2.6583 | 0.5187 | 15,387.0571 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Energy | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| Mobile | 5.9095 | 5.7782 | 50.7080 | 0.0812 | 9.4042 | 0.0644 | 9.4686 | 2.5048 | 0.0599 | 2.5647 | | 8,523.7137 | 8,523.7137 | 0.7646 | 0.5033 | 8,692.8165 |
| Offroad | 0.6013 | 28.7296 | 286.7803 | 0.0459 | | 0.5576 | 0.5576 | | 0.5576 | 0.5576 | 0.0000 | 5,799.0487 | 5,799.0487 | 1.8755 | | 5,845.9369 |
| Stationary | 9.9000e-003 | 0.0277 | 0.0252 | 5.0000e-005 | | 1.4600e-003 | 1.4600e-003 | | 1.4600e-003 | 1.4600e-003 | | 5.0623 | 5.0623 | 7.1000e-004 | | 5.0800 |
| Total | 25.2550 | 35.2358 | 338.3446 | 0.1313 | 9.4042 | 0.6773 | 10.0816 | 2.5048 | 0.6728 | 3.1777 | 0.0000 | 15,166.0362 | 15,166.0362 | 2.6583 | 0.5187 | 15,387.0571 |

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Grading | Grading | 9/2/2024 | 1/3/2025 | 5 | 90 | |
| 2 | Paving | Paving | 1/4/2025 | 3/28/2025 | 5 | 60 | |
| 3 | Building Construction | Building Construction | 3/29/2025 | 6/19/2026 | 5 | 320 | |

Construction Mitigation Modeling Results

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

| | | | | | | |
|---|-----------------------|-----------------------|-----------|----------|---|-----|
| 4 | Architectural Coating | Architectural Coating | 4/12/2025 | 7/3/2026 | 5 | 320 |
|---|-----------------------|-----------------------|-----------|----------|---|-----|

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 270

Acres of Paving: 14.82

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,133,250; Non-Residential Outdoor: 377,750; Striped Parking Area: 39,528 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Grading | Excavators | 2 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| 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 |
|------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Grading | 8 | 20.00 | 0.00 | 3,000.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

| | | | | | | | | | | |
|-----------------------|---|--------|--------|------|-------|------|-------|--------|---------|------|
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 594.00 | 232.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 119.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Grading - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 9.2337 | 0.0000 | 9.2337 | 3.6583 | 0.0000 | 3.6583 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.2181 | 32.3770 | 27.7228 | 0.0621 | | 1.3354 | 1.3354 | | 1.2286 | 1.2286 | | 6,009.7487 | 6,009.7487 | 1.9437 | | 6,058.3405 |
| Total | 3.2181 | 32.3770 | 27.7228 | 0.0621 | 9.2337 | 1.3354 | 10.5691 | 3.6583 | 1.2286 | 4.8869 | | 6,009.7487 | 6,009.7487 | 1.9437 | | 6,058.3405 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.2 Grading - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0667 | 4.6100 | 1.0774 | 0.0198 | 0.5831 | 0.0369 | 0.6200 | 0.1598 | 0.0353 | 0.1951 | | 2,159.917 2 | 2,159.917 2 | 0.0720 | 0.3423 | 2,263.732 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 | 0.0520 | 0.0342 | 0.4283 | 1.2800e-003 | 0.1643 | 7.8000e-004 | 0.1651 | 0.0436 | 7.1000e-004 | 0.0443 | | 132.0975 | 132.0975 | 3.7900e-003 | 3.7100e-003 | 133.2975 |
| Total | 0.1188 | 4.6443 | 1.5057 | 0.0211 | 0.7474 | 0.0377 | 0.7850 | 0.2034 | 0.0360 | 0.2394 | | 2,292.014 6 | 2,292.014 6 | 0.0758 | 0.3460 | 2,397.029 9 |

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 | | | | | 9.2337 | 0.0000 | 9.2337 | 3.6583 | 0.0000 | 3.6583 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.7616 | 3.3000 | 32.9991 | 0.0621 | | 0.1015 | 0.1015 | | 0.1015 | 0.1015 | 0.0000 | 6,009.748 7 | 6,009.748 7 | 1.9437 | | 6,058.340 5 |
| Total | 0.7616 | 3.3000 | 32.9991 | 0.0621 | 9.2337 | 0.1015 | 9.3353 | 3.6583 | 0.1015 | 3.7599 | 0.0000 | 6,009.748 7 | 6,009.748 7 | 1.9437 | | 6,058.340 5 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.2 Grading - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0667 | 4.6100 | 1.0774 | 0.0198 | 0.5831 | 0.0369 | 0.6200 | 0.1598 | 0.0353 | 0.1951 | | 2,159.917 2 | 2,159.917 2 | 0.0720 | 0.3423 | 2,263.732 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 | 0.0520 | 0.0342 | 0.4283 | 1.2800e-003 | 0.1643 | 7.8000e-004 | 0.1651 | 0.0436 | 7.1000e-004 | 0.0443 | | 132.0975 | 132.0975 | 3.7900e-003 | 3.7100e-003 | 133.2975 |
| Total | 0.1188 | 4.6443 | 1.5057 | 0.0211 | 0.7474 | 0.0377 | 0.7850 | 0.2034 | 0.0360 | 0.2394 | | 2,292.014 6 | 2,292.014 6 | 0.0758 | 0.3460 | 2,397.029 9 |

3.2 Grading - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 9.2337 | 0.0000 | 9.2337 | 3.6583 | 0.0000 | 3.6583 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.9012 | 27.9429 | 26.3311 | 0.0621 | | 1.1309 | 1.1309 | | 1.0404 | 1.0404 | | 6,008.281 4 | 6,008.281 4 | 1.9432 | | 6,056.861 4 |
| Total | 2.9012 | 27.9429 | 26.3311 | 0.0621 | 9.2337 | 1.1309 | 10.3646 | 3.6583 | 1.0404 | 4.6987 | | 6,008.281 4 | 6,008.281 4 | 1.9432 | | 6,056.861 4 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.2 Grading - 2025

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 | 0.0663 | 4.5813 | 1.0806 | 0.0194 | 0.5831 | 0.0368 | 0.6199 | 0.1598 | 0.0353 | 0.1951 | | 2,118.913 3 | 2,118.913 3 | 0.0720 | 0.3359 | 2,220.806 8 |
| 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 | 0.0490 | 0.0308 | 0.4025 | 1.2400e-003 | 0.1643 | 7.4000e-004 | 0.1650 | 0.0436 | 6.8000e-004 | 0.0443 | | 128.9424 | 128.9424 | 3.4500e-003 | 3.4800e-003 | 130.0645 |
| Total | 0.1153 | 4.6121 | 1.4831 | 0.0207 | 0.7474 | 0.0376 | 0.7850 | 0.2034 | 0.0359 | 0.2393 | | 2,247.855 8 | 2,247.855 8 | 0.0754 | 0.3394 | 2,350.871 3 |

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 | | | | | 9.2337 | 0.0000 | 9.2337 | 3.6583 | 0.0000 | 3.6583 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.7616 | 3.3000 | 32.9991 | 0.0621 | | 0.1015 | 0.1015 | | 0.1015 | 0.1015 | 0.0000 | 6,008.281 4 | 6,008.281 4 | 1.9432 | | 6,056.861 4 |
| Total | 0.7616 | 3.3000 | 32.9991 | 0.0621 | 9.2337 | 0.1015 | 9.3353 | 3.6583 | 0.1015 | 3.7599 | 0.0000 | 6,008.281 4 | 6,008.281 4 | 1.9432 | | 6,056.861 4 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.2 Grading - 2025

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 | 0.0663 | 4.5813 | 1.0806 | 0.0194 | 0.5831 | 0.0368 | 0.6199 | 0.1598 | 0.0353 | 0.1951 | | 2,118.913 3 | 2,118.913 3 | 0.0720 | 0.3359 | 2,220.806 8 |
| 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 | 0.0490 | 0.0308 | 0.4025 | 1.2400e-003 | 0.1643 | 7.4000e-004 | 0.1650 | 0.0436 | 6.8000e-004 | 0.0443 | | 128.9424 | 128.9424 | 3.4500e-003 | 3.4800e-003 | 130.0645 |
| Total | 0.1153 | 4.6121 | 1.4831 | 0.0207 | 0.7474 | 0.0376 | 0.7850 | 0.2034 | 0.0359 | 0.2393 | | 2,247.855 8 | 2,247.855 8 | 0.0754 | 0.3394 | 2,350.871 3 |

3.3 Paving - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.9152 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | | 2,206.745 2 | 2,206.745 2 | 0.7137 | | 2,224.587 8 |
| Paving | 0.6471 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.5623 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | | 2,206.745 2 | 2,206.745 2 | 0.7137 | | 2,224.587 8 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.3 Paving - 2025

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 | 0.0368 | 0.0231 | 0.3019 | 9.3000e-004 | 0.1232 | 5.6000e-004 | 0.1238 | 0.0327 | 5.1000e-004 | 0.0332 | | 96.7068 | 96.7068 | 2.5900e-003 | 2.6100e-003 | 97.5484 |
| Total | 0.0368 | 0.0231 | 0.3019 | 9.3000e-004 | 0.1232 | 5.6000e-004 | 0.1238 | 0.0327 | 5.1000e-004 | 0.0332 | | 96.7068 | 96.7068 | 2.5900e-003 | 2.6100e-003 | 97.5484 |

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 | 0.2805 | 1.2154 | 17.2957 | 0.0228 | | 0.0374 | 0.0374 | | 0.0374 | 0.0374 | 0.0000 | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |
| Paving | 0.6471 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.9276 | 1.2154 | 17.2957 | 0.0228 | | 0.0374 | 0.0374 | | 0.0374 | 0.0374 | 0.0000 | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.3 Paving - 2025

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 | 0.0368 | 0.0231 | 0.3019 | 9.3000e-004 | 0.1232 | 5.6000e-004 | 0.1238 | 0.0327 | 5.1000e-004 | 0.0332 | | 96.7068 | 96.7068 | 2.5900e-003 | 2.6100e-003 | 97.5484 |
| Total | 0.0368 | 0.0231 | 0.3019 | 9.3000e-004 | 0.1232 | 5.6000e-004 | 0.1238 | 0.0327 | 5.1000e-004 | 0.0332 | | 96.7068 | 96.7068 | 2.5900e-003 | 2.6100e-003 | 97.5484 |

3.4 Building Construction - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |
| Total | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.4 Building Construction - 2025

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 | 0.2301 | 10.4950 | 3.1618 | 0.0455 | 1.5714 | 0.0610 | 1.6323 | 0.4524 | 0.0583 | 0.5107 | | 4,885.305 1 | 4,885.305 1 | 0.1015 | 0.7225 | 5,103.152 2 |
| Worker | 1.4566 | 0.9157 | 11.9544 | 0.0368 | 4.8796 | 0.0221 | 4.9016 | 1.2943 | 0.0203 | 1.3146 | | 3,829.590 4 | 3,829.590 4 | 0.1024 | 0.1032 | 3,862.915 3 |
| Total | 1.6867 | 11.4107 | 15.1162 | 0.0823 | 6.4509 | 0.0830 | 6.5339 | 1.7467 | 0.0786 | 1.8253 | | 8,714.895 5 | 8,714.895 5 | 0.2039 | 0.8258 | 8,966.067 5 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.3278 | 2.2347 | 17.4603 | 0.0270 | | 0.0408 | 0.0408 | | 0.0408 | 0.0408 | 0.0000 | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |
| Total | 0.3278 | 2.2347 | 17.4603 | 0.0270 | | 0.0408 | 0.0408 | | 0.0408 | 0.0408 | 0.0000 | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.4 Building Construction - 2025

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 | 0.2301 | 10.4950 | 3.1618 | 0.0455 | 1.5714 | 0.0610 | 1.6323 | 0.4524 | 0.0583 | 0.5107 | | 4,885.305 1 | 4,885.305 1 | 0.1015 | 0.7225 | 5,103.152 2 |
| Worker | 1.4566 | 0.9157 | 11.9544 | 0.0368 | 4.8796 | 0.0221 | 4.9016 | 1.2943 | 0.0203 | 1.3146 | | 3,829.590 4 | 3,829.590 4 | 0.1024 | 0.1032 | 3,862.915 3 |
| Total | 1.6867 | 11.4107 | 15.1162 | 0.0823 | 6.4509 | 0.0830 | 6.5339 | 1.7467 | 0.0786 | 1.8253 | | 8,714.895 5 | 8,714.895 5 | 0.2039 | 0.8258 | 8,966.067 5 |

3.4 Building Construction - 2026

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |
| Total | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.4 Building Construction - 2026

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 | 0.2247 | 10.4342 | 3.1169 | 0.0447 | 1.5714 | 0.0606 | 1.6320 | 0.4524 | 0.0580 | 0.5104 | | 4,795.882 8 | 4,795.882 8 | 0.1010 | 0.7089 | 5,009.644 2 |
| Worker | 1.3806 | 0.8338 | 11.3134 | 0.0356 | 4.8796 | 0.0210 | 4.9006 | 1.2943 | 0.0194 | 1.3136 | | 3,742.583 2 | 3,742.583 2 | 0.0936 | 0.0976 | 3,773.996 3 |
| Total | 1.6053 | 11.2679 | 14.4303 | 0.0803 | 6.4510 | 0.0816 | 6.5326 | 1.7467 | 0.0773 | 1.8240 | | 8,538.465 9 | 8,538.465 9 | 0.1946 | 0.8064 | 8,783.640 5 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.3278 | 2.2347 | 17.4603 | 0.0270 | | 0.0408 | 0.0408 | | 0.0408 | 0.0408 | 0.0000 | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |
| Total | 0.3278 | 2.2347 | 17.4603 | 0.0270 | | 0.0408 | 0.0408 | | 0.0408 | 0.0408 | 0.0000 | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.4 Building Construction - 2026

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 | 0.2247 | 10.4342 | 3.1169 | 0.0447 | 1.5714 | 0.0606 | 1.6320 | 0.4524 | 0.0580 | 0.5104 | | 4,795.8828 | 4,795.8828 | 0.1010 | 0.7089 | 5,009.6442 |
| Worker | 1.3806 | 0.8338 | 11.3134 | 0.0356 | 4.8796 | 0.0210 | 4.9006 | 1.2943 | 0.0194 | 1.3136 | | 3,742.5832 | 3,742.5832 | 0.0936 | 0.0976 | 3,773.9963 |
| Total | 1.6053 | 11.2679 | 14.4303 | 0.0803 | 6.4510 | 0.0816 | 6.5326 | 1.7467 | 0.0773 | 1.8240 | | 8,538.4659 | 8,538.4659 | 0.1946 | 0.8064 | 8,783.6405 |

3.5 Architectural Coating - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 25.4804 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |
| Total | 25.6513 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.5 Architectural Coating - 2025

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 | 0.2918 | 0.1835 | 2.3949 | 7.3600e-003 | 0.9776 | 4.4200e-003 | 0.9820 | 0.2593 | 4.0700e-003 | 0.2634 | | 767.2075 | 767.2075 | 0.0205 | 0.0207 | 773.8837 |
| Total | 0.2918 | 0.1835 | 2.3949 | 7.3600e-003 | 0.9776 | 4.4200e-003 | 0.9820 | 0.2593 | 4.0700e-003 | 0.2634 | | 767.2075 | 767.2075 | 0.0205 | 0.0207 | 773.8837 |

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 | 25.4804 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.0297 | 0.1288 | 1.8324 | 2.9700e-003 | | 3.9600e-003 | 3.9600e-003 | | 3.9600e-003 | 3.9600e-003 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |
| Total | 25.5101 | 0.1288 | 1.8324 | 2.9700e-003 | | 3.9600e-003 | 3.9600e-003 | | 3.9600e-003 | 3.9600e-003 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.5 Architectural Coating - 2025

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 | 0.2918 | 0.1835 | 2.3949 | 7.3600e-003 | 0.9776 | 4.4200e-003 | 0.9820 | 0.2593 | 4.0700e-003 | 0.2634 | | 767.2075 | 767.2075 | 0.0205 | 0.0207 | 773.8837 |
| Total | 0.2918 | 0.1835 | 2.3949 | 7.3600e-003 | 0.9776 | 4.4200e-003 | 0.9820 | 0.2593 | 4.0700e-003 | 0.2634 | | 767.2075 | 767.2075 | 0.0205 | 0.0207 | 773.8837 |

3.5 Architectural Coating - 2026

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 | 25.4804 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |
| Total | 25.6513 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.5 Architectural Coating - 2026

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 | 0.2766 | 0.1670 | 2.2665 | 7.1400e-003 | 0.9776 | 4.2100e-003 | 0.9818 | 0.2593 | 3.8800e-003 | 0.2632 | | 749.7768 | 749.7768 | 0.0188 | 0.0195 | 756.0700 |
| Total | 0.2766 | 0.1670 | 2.2665 | 7.1400e-003 | 0.9776 | 4.2100e-003 | 0.9818 | 0.2593 | 3.8800e-003 | 0.2632 | | 749.7768 | 749.7768 | 0.0188 | 0.0195 | 756.0700 |

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 | 25.4804 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.0297 | 0.1288 | 1.8324 | 2.9700e-003 | | 3.9600e-003 | 3.9600e-003 | | 3.9600e-003 | 3.9600e-003 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |
| Total | 25.5101 | 0.1288 | 1.8324 | 2.9700e-003 | | 3.9600e-003 | 3.9600e-003 | | 3.9600e-003 | 3.9600e-003 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

3.5 Architectural Coating - 2026

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 | 0.2766 | 0.1670 | 2.2665 | 7.1400e-003 | 0.9776 | 4.2100e-003 | 0.9818 | 0.2593 | 3.8800e-003 | 0.2632 | | 749.7768 | 749.7768 | 0.0188 | 0.0195 | 756.0700 |
| Total | 0.2766 | 0.1670 | 2.2665 | 7.1400e-003 | 0.9776 | 4.2100e-003 | 0.9818 | 0.2593 | 3.8800e-003 | 0.2632 | | 749.7768 | 749.7768 | 0.0188 | 0.0195 | 756.0700 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

SMPs Project (SMP 39) - Bay Area AQMD Air District, 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 | 5.9095 | 5.7782 | 50.7080 | 0.0812 | 9.4042 | 0.0644 | 9.4686 | 2.5048 | 0.0599 | 2.5647 | | 8,523.7137 | 8,523.7137 | 0.7646 | 0.5033 | 8,692.8165 |
| Unmitigated | 5.9095 | 5.7782 | 50.7080 | 0.0812 | 9.4042 | 0.0644 | 9.4686 | 2.5048 | 0.0599 | 2.5647 | | 8,523.7137 | 8,523.7137 | 0.7646 | 0.5033 | 8,692.8165 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|-----------------|-----------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 3,588.63 | 3,588.63 | 3588.63 | 4,467,720 | 4,467,720 |
| Total | 3,588.63 | 3,588.63 | 3,588.63 | 4,467,720 | 4,467,720 |

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 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No Rail | 4.05 | 3.11 | 3.11 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Parking Lot | 0.554285 | 0.058871 | 0.188253 | 0.120585 | 0.022598 | 0.005697 | 0.010798 | 0.007525 | 0.000977 | 0.000545 | 0.026246 | 0.000848 | 0.002771 |
| Unrefrigerated Warehouse-No Rail | 0.554285 | 0.058871 | 0.188253 | 0.120585 | 0.022598 | 0.005697 | 0.010798 | 0.007525 | 0.000977 | 0.000545 | 0.026246 | 0.000848 | 0.002771 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| NaturalGas Unmitigated | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, 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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 7120.33 | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| Total | | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |

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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 7.12033 | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| Total | | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |

6.0 Area Detail

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|-------------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Unmitigated | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|----------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 2.2339 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 16.4011 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0225 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Total | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |

SMPs Project (SMP 39) - Bay Area AQMD Air District, 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 | 2.2339 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 16.4011 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0225 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Total | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
| Forklifts | 30 | 8.00 | 260 | 89 | 0.20 | CNG |

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

UnMitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|----------------|-----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | |
| Forklifts | 0.6013 | 28.7296 | 286.7803 | 0.0459 | | 0.5576 | 0.5576 | | 0.5576 | 0.5576 | 0.0000 | 5,799.0487 | 5,799.0487 | 1.8755 | | 5,845.9369 |
| Total | 0.6013 | 28.7296 | 286.7803 | 0.0459 | | 0.5576 | 0.5576 | | 0.5576 | 0.5576 | 0.0000 | 5,799.0487 | 5,799.0487 | 1.8755 | | 5,845.9369 |

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---------------------|--------|-----------|------------|-------------|-------------|-----------|
| Emergency Generator | 3 | 0.01 | 3 | 201 | 0.73 | Diesel |

Boilers

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

User Defined Equipment

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

SMPs Project (SMP 39) - Bay Area AQMD Air District, Winter

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

10.1 Stationary Sources

Unmitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|---|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|------|---------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | | |
| Emergency Generator - Diesel (175 - 300 HP) | 9.9000e-003 | 0.0277 | 0.0252 | 5.0000e-005 | | 1.4600e-003 | 1.4600e-003 | | 1.4600e-003 | 1.4600e-003 | | 5.0623 | 5.0623 | 7.1000e-004 | | | 5.0800 |
| Total | 9.9000e-003 | 0.0277 | 0.0252 | 5.0000e-005 | | 1.4600e-003 | 1.4600e-003 | | 1.4600e-003 | 1.4600e-003 | | 5.0623 | 5.0623 | 7.1000e-004 | | | 5.0800 |

11.0 Vegetation

SMPs Project (SMP 39)

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

Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

| Phase | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|------|------|-------|------|--------------|---------------|----------|----------|-----------|------|------|------|
| Percent Reduction | | | | | | | | | | | | |
| Architectural Coating | 0.01 | 0.78 | -0.01 | 0.00 | 0.85 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Building Construction | 0.36 | 0.43 | -0.05 | 0.00 | 0.80 | 0.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading | 0.74 | 0.79 | -0.18 | 0.00 | 0.90 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving | 0.40 | 0.86 | -0.18 | 0.00 | 0.91 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

OFFROAD Equipment Mitigation

SMPs Project (SMP 39)

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

| Equipment Type | Fuel Type | Tier | Number Mitigated | Total Number of Equipment | DPF | Oxidation Catalyst |
|---------------------------|-----------|--------------|------------------|---------------------------|-----------|--------------------|
| Air Compressors | Diesel | Tier 4 Final | 1 | 1 | No Change | 0.00 |
| Cranes | Diesel | Tier 4 Final | 1 | 1 | No Change | 0.00 |
| Excavators | Diesel | Tier 4 Final | 2 | 2 | No Change | 0.00 |
| Forklifts | Diesel | Tier 4 Final | 3 | 3 | No Change | 0.00 |
| Generator Sets | Diesel | Tier 4 Final | 1 | 1 | No Change | 0.00 |
| Graders | Diesel | Tier 4 Final | 1 | 1 | No Change | 0.00 |
| Pavers | Diesel | Tier 4 Final | 2 | 2 | No Change | 0.00 |
| Paving Equipment | Diesel | Tier 4 Final | 2 | 2 | No Change | 0.00 |
| Rollers | Diesel | Tier 4 Final | 2 | 2 | No Change | 0.00 |
| Rubber Tired Dozers | Diesel | Tier 4 Final | 1 | 1 | No Change | 0.00 |
| Scrapers | Diesel | Tier 4 Final | 2 | 2 | No Change | 0.00 |
| Tractors/Loaders/Backhoes | Diesel | Tier 4 Final | 5 | 5 | No Change | 0.00 |
| Welders | Diesel | Tier 4 Final | 1 | 1 | No Change | 0.00 |

SMPs Project (SMP 39)

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

| Equipment Type | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------------------|--------------|--------------|--------------|--------------|--------------|---------------|-------------------|--------------|--------------|--------------|--------------|--------------|
| Unmitigated tons/yr | | | | | | | Unmitigated mt/yr | | | | | |
| Air Compressors | 2.73400E-002 | 1.83280E-001 | 2.89460E-001 | 4.80000E-004 | 8.24000E-003 | 8.24000E-003 | 0.00000E+000 | 4.08521E+001 | 4.08521E+001 | 2.23000E-003 | 0.00000E+000 | 4.09078E+001 |
| Cranes | 4.37900E-002 | 4.43510E-001 | 2.43100E-001 | 8.10000E-004 | 1.88500E-002 | 1.73400E-002 | 0.00000E+000 | 7.09742E+001 | 7.09742E+001 | 2.29500E-002 | 0.00000E+000 | 7.15481E+001 |
| Excavators | 1.61800E-002 | 1.25710E-001 | 2.93840E-001 | 4.70000E-004 | 6.19000E-003 | 5.70000E-003 | 0.00000E+000 | 4.08452E+001 | 4.08452E+001 | 1.32100E-002 | 0.00000E+000 | 4.11754E+001 |
| Forklifts | 4.17100E-002 | 3.92900E-001 | 5.44200E-001 | 7.30000E-004 | 2.10300E-002 | 1.93500E-002 | 0.00000E+000 | 6.44598E+001 | 6.44598E+001 | 2.08500E-002 | 0.00000E+000 | 6.49810E+001 |
| Generator Sets | 4.26200E-002 | 3.83270E-001 | 5.85520E-001 | 1.05000E-003 | 1.52600E-002 | 1.52600E-002 | 0.00000E+000 | 9.04332E+001 | 9.04332E+001 | 3.34000E-003 | 0.00000E+000 | 9.05167E+001 |
| Graders | 1.58900E-002 | 1.85960E-001 | 7.44500E-002 | 3.00000E-004 | 6.03000E-003 | 5.55000E-003 | 0.00000E+000 | 2.61473E+001 | 2.61473E+001 | 8.46000E-003 | 0.00000E+000 | 2.63587E+001 |
| Pavers | 1.04300E-002 | 9.49900E-002 | 1.73750E-001 | 2.80000E-004 | 4.45000E-003 | 4.09000E-003 | 0.00000E+000 | 2.47658E+001 | 2.47658E+001 | 8.01000E-003 | 0.00000E+000 | 2.49660E+001 |
| Paving Equipment | 8.81000E-003 | 7.58800E-002 | 1.52790E-001 | 2.40000E-004 | 3.75000E-003 | 3.45000E-003 | 0.00000E+000 | 2.14631E+001 | 2.14631E+001 | 6.94000E-003 | 0.00000E+000 | 2.16367E+001 |
| Rollers | 8.22000E-003 | 8.65800E-002 | 1.10800E-001 | 1.60000E-004 | 4.35000E-003 | 4.01000E-003 | 0.00000E+000 | 1.38289E+001 | 1.38289E+001 | 4.47000E-003 | 0.00000E+000 | 1.39407E+001 |
| Rubber Tired Dozers | 3.12100E-002 | 3.20000E-001 | 1.40700E-001 | 3.80000E-004 | 1.44100E-002 | 1.32500E-002 | 0.00000E+000 | 3.37601E+001 | 3.37601E+001 | 1.09200E-002 | 0.00000E+000 | 3.40330E+001 |
| Scrapers | 6.81400E-002 | 6.88640E-001 | 5.35270E-001 | 1.37000E-003 | 2.72200E-002 | 2.50400E-002 | 0.00000E+000 | 1.19944E+002 | 1.19944E+002 | 3.87900E-002 | 0.00000E+000 | 1.20914E+002 |
| Tractors/Loaders/Backhoes | 6.84100E-002 | 6.90740E-001 | 1.13764E+000 | 1.59000E-003 | 2.86700E-002 | 2.63700E-002 | 0.00000E+000 | 1.39728E+002 | 1.39728E+002 | 4.51900E-002 | 0.00000E+000 | 1.40857E+002 |
| Welders | 3.51700E-002 | 2.14730E-001 | 2.64260E-001 | 4.10000E-004 | 6.54000E-003 | 6.54000E-003 | 0.00000E+000 | 3.01153E+001 | 3.01153E+001 | 2.86000E-003 | 0.00000E+000 | 3.01868E+001 |

SMPs Project (SMP 39)

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

| Equipment Type | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|--------------|--------------|--------------|--------------|--------------|---------------|-----------------|--------------|--------------|--------------|--------------|--------------|
| Mitigated tons/yr | | | | | | | Mitigated mt/yr | | | | | |
| Air Compressors | 4.75000E-003 | 2.06000E-002 | 2.93190E-001 | 4.80000E-004 | 6.30000E-004 | 6.30000E-004 | 0.00000E+000 | 4.08520E+001 | 4.08520E+001 | 2.23000E-003 | 0.00000E+000 | 4.09077E+001 |
| Cranes | 9.92000E-003 | 4.30100E-002 | 3.63900E-001 | 8.10000E-004 | 1.32000E-003 | 1.32000E-003 | 0.00000E+000 | 7.09741E+001 | 7.09741E+001 | 2.29500E-002 | 0.00000E+000 | 7.15480E+001 |
| Excavators | 5.72000E-003 | 2.47800E-002 | 3.52620E-001 | 4.70000E-004 | 7.60000E-004 | 7.60000E-004 | 0.00000E+000 | 4.08451E+001 | 4.08451E+001 | 1.32100E-002 | 0.00000E+000 | 4.11754E+001 |
| Forklifts | 9.04000E-003 | 3.91800E-002 | 5.57550E-001 | 7.30000E-004 | 1.21000E-003 | 1.21000E-003 | 0.00000E+000 | 6.44598E+001 | 6.44598E+001 | 2.08500E-002 | 0.00000E+000 | 6.49809E+001 |
| Generator Sets | 1.05200E-002 | 4.56100E-002 | 6.49020E-001 | 1.05000E-003 | 1.40000E-003 | 1.40000E-003 | 0.00000E+000 | 9.04331E+001 | 9.04331E+001 | 3.34000E-003 | 0.00000E+000 | 9.05166E+001 |
| Graders | 3.65000E-003 | 1.58200E-002 | 1.33870E-001 | 3.00000E-004 | 4.90000E-004 | 4.90000E-004 | 0.00000E+000 | 2.61472E+001 | 2.61472E+001 | 8.46000E-003 | 0.00000E+000 | 2.63587E+001 |
| Pavers | 3.47000E-003 | 1.50200E-002 | 2.13780E-001 | 2.80000E-004 | 4.60000E-004 | 4.60000E-004 | 0.00000E+000 | 2.47658E+001 | 2.47658E+001 | 8.01000E-003 | 0.00000E+000 | 2.49660E+001 |
| Paving Equipment | 3.02000E-003 | 1.30700E-002 | 1.86060E-001 | 2.40000E-004 | 4.00000E-004 | 4.00000E-004 | 0.00000E+000 | 2.14631E+001 | 2.14631E+001 | 6.94000E-003 | 0.00000E+000 | 2.16366E+001 |
| Rollers | 1.93000E-003 | 8.36000E-003 | 1.19030E-001 | 1.60000E-004 | 2.60000E-004 | 2.60000E-004 | 0.00000E+000 | 1.38289E+001 | 1.38289E+001 | 4.47000E-003 | 0.00000E+000 | 1.39407E+001 |
| Rubber Tired Dozers | 4.70000E-003 | 2.03900E-002 | 1.72510E-001 | 3.80000E-004 | 6.30000E-004 | 6.30000E-004 | 0.00000E+000 | 3.37600E+001 | 3.37600E+001 | 1.09200E-002 | 0.00000E+000 | 3.40330E+001 |
| Scrapers | 1.67800E-002 | 7.27000E-002 | 6.15170E-001 | 1.37000E-003 | 2.24000E-003 | 2.24000E-003 | 0.00000E+000 | 1.19944E+002 | 1.19944E+002 | 3.87900E-002 | 0.00000E+000 | 1.20914E+002 |
| Tractors/Loaders/Balckhoes | 1.93700E-002 | 8.39300E-002 | 1.19445E+000 | 1.59000E-003 | 2.58000E-003 | 2.58000E-003 | 0.00000E+000 | 1.39727E+002 | 1.39727E+002 | 4.51900E-002 | 0.00000E+000 | 1.40857E+002 |
| Welders | 7.01000E-003 | 1.60640E-001 | 2.39500E-001 | 4.10000E-004 | 4.70000E-004 | 4.70000E-004 | 0.00000E+000 | 3.01153E+001 | 3.01153E+001 | 2.86000E-003 | 0.00000E+000 | 3.01868E+001 |

SMPs Project (SMP 39)

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

| Equipment Type | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|--------------|--------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Percent Reduction | | | | | | | | | | | | |
| Air Compressors | 8.26262E-001 | 8.87604E-001 | -1.28861E-002 | 0.00000E+000 | 9.23544E-001 | 9.23544E-001 | 0.00000E+000 | 1.22393E-006 | 1.22393E-006 | 0.00000E+000 | 0.00000E+000 | 1.22226E-006 |
| Cranes | 7.73464E-001 | 9.03024E-001 | -4.96915E-001 | 0.00000E+000 | 9.29973E-001 | 9.23875E-001 | 0.00000E+000 | 1.26807E-006 | 1.26807E-006 | 0.00000E+000 | 0.00000E+000 | 1.11813E-006 |
| Excavators | 6.46477E-001 | 8.02880E-001 | -2.00041E-001 | 0.00000E+000 | 8.77221E-001 | 8.66667E-001 | 0.00000E+000 | 1.22413E-006 | 1.22413E-006 | 0.00000E+000 | 0.00000E+000 | 1.21432E-006 |
| Forklifts | 7.83265E-001 | 9.00280E-001 | -2.45314E-002 | 0.00000E+000 | 9.42463E-001 | 9.37468E-001 | 0.00000E+000 | 1.24108E-006 | 1.24108E-006 | 0.00000E+000 | 0.00000E+000 | 1.23113E-006 |
| Generator Sets | 7.53168E-001 | 8.80998E-001 | -1.08451E-001 | 0.00000E+000 | 9.08257E-001 | 9.08257E-001 | 0.00000E+000 | 1.10579E-006 | 1.10579E-006 | 0.00000E+000 | 0.00000E+000 | 1.21524E-006 |
| Graders | 7.70296E-001 | 9.14928E-001 | -7.98120E-001 | 0.00000E+000 | 9.18740E-001 | 9.11712E-001 | 0.00000E+000 | 1.14735E-006 | 1.14735E-006 | 0.00000E+000 | 0.00000E+000 | 1.13814E-006 |
| Pavers | 6.67306E-001 | 8.41878E-001 | -2.30388E-001 | 0.00000E+000 | 8.96629E-001 | 8.87531E-001 | 0.00000E+000 | 1.21135E-006 | 1.21135E-006 | 0.00000E+000 | 0.00000E+000 | 1.20163E-006 |
| Paving Equipment | 6.57208E-001 | 8.27754E-001 | -2.17750E-001 | 0.00000E+000 | 8.93333E-001 | 8.84058E-001 | 0.00000E+000 | 9.31831E-007 | 9.31831E-007 | 0.00000E+000 | 0.00000E+000 | 9.24357E-007 |
| Rollers | 7.65207E-001 | 9.03442E-001 | -7.42780E-002 | 0.00000E+000 | 9.40230E-001 | 9.35162E-001 | 0.00000E+000 | 1.44625E-006 | 1.44625E-006 | 0.00000E+000 | 0.00000E+000 | 1.43465E-006 |
| Rubber Tired Dozers | 8.49407E-001 | 9.36281E-001 | -2.26084E-001 | 0.00000E+000 | 9.56280E-001 | 9.52453E-001 | 0.00000E+000 | 1.18483E-006 | 1.18483E-006 | 0.00000E+000 | 0.00000E+000 | 1.17533E-006 |
| Scrapers | 7.53742E-001 | 8.94430E-001 | -1.49270E-001 | 0.00000E+000 | 9.17708E-001 | 9.10543E-001 | 0.00000E+000 | 1.25058E-006 | 1.25058E-006 | 0.00000E+000 | 0.00000E+000 | 1.24055E-006 |
| Tractors/Loaders/Balckhoes | 7.16854E-001 | 8.78493E-001 | -4.99367E-002 | 0.00000E+000 | 9.10010E-001 | 9.02162E-001 | 0.00000E+000 | 1.21665E-006 | 1.21665E-006 | 0.00000E+000 | 0.00000E+000 | 1.20689E-006 |
| Welders | 8.00682E-001 | 2.51898E-001 | 9.36956E-002 | 0.00000E+000 | 9.28135E-001 | 9.28135E-001 | 0.00000E+000 | 1.32823E-006 | 1.32823E-006 | 0.00000E+000 | 0.00000E+000 | 1.32508E-006 |

Fugitive Dust Mitigation

Yes/No Mitigation Measure Mitigation Input Mitigation Input Mitigation Input

| | | | | | |
|----|-----------------------------------|----------------|------|-----------------|------|
| No | Soil Stabilizer for unpaved Roads | PM10 Reduction | 0.00 | PM2.5 Reduction | 0.00 |
|----|-----------------------------------|----------------|------|-----------------|------|

SMPs Project (SMP 39)

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

| | | | | | | | |
|----|--|--------------------|------|---------------------|------|---------------------|--|
| No | Replace Ground Cover of Area Disturbed | PM10 Reduction | 0.00 | PM2.5 Reduction | 0.00 | | |
| No | Water Exposed Area | PM10 Reduction | 0.00 | PM2.5 Reduction | 0.00 | Frequency (per day) | |
| No | Unpaved Road Mitigation | Moisture Content % | 0.00 | Vehicle Speed (mph) | 0.00 | | |
| No | Clean Paved Road | % PM Reduction | 0.00 | | | | |

| Phase | Source | Unmitigated | | Mitigated | | Percent Reduction | |
|-----------------------|---------------|-------------|-------|-----------|-------|-------------------|-------|
| | | PM10 | PM2.5 | PM10 | PM2.5 | PM10 | PM2.5 |
| Architectural Coating | Fugitive Dust | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Architectural Coating | Roads | 0.15 | 0.04 | 0.15 | 0.04 | 0.00 | 0.00 |
| Building Construction | Fugitive Dust | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Building Construction | Roads | 0.99 | 0.27 | 0.99 | 0.27 | 0.00 | 0.00 |
| Grading | Fugitive Dust | 0.56 | 0.18 | 0.56 | 0.18 | 0.00 | 0.00 |
| Grading | Roads | 0.03 | 0.01 | 0.03 | 0.01 | 0.00 | 0.00 |
| Paving | Fugitive Dust | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving | Roads | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Operational Percent Reduction Summary

| Category | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|------|------|------|------|--------------|---------------|----------|-----------|-----------|------|------|------|
| Percent Reduction | | | | | | | | | | | | |
| Architectural Coating | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

SMPs Project (SMP 39)

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

| | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Consumer Products | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hearth | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Landscaping | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mobile | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Natural Gas | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Water Indoor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Water Outdoor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Operational Mobile Mitigation

Project Setting: Suburban Center

| Mitigation | Category | Measure | % Reduction | Input Value 1 | Input Value 2 | Input Value 3 |
|------------|---------------------------|-------------------------------------|-------------|---------------|---------------|---------------|
| No | Land Use | Increase Density | 0.00 | 0.00 | 0.00 | |
| No | Land Use | Increase Diversity | 0.10 | 0.32 | | |
| No | Land Use | Improve Walkability Design | 0.00 | 0.00 | | |
| No | Land Use | Improve Destination Accessibility | 0.00 | 0.00 | | |
| No | Land Use | Increase Transit Accessibility | 0.25 | | | |
| No | Land Use | Integrate Below Market Rate Housing | 0.00 | 0.00 | | |
| | Land Use | Land Use SubTotal | 0.00 | | | |
| No | Neighborhood Enhancements | Improve Pedestrian Network | 1.00 | Project Site | | |
| No | Neighborhood Enhancements | Provide Traffic Calming Measures | | | | |

SMPs Project (SMP 39)

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

| | | | | | |
|----|---------------------------|--|-------|------|------|
| No | Neighborhood Enhancements | Implement NEV Network | 0.00 | | |
| | Neighborhood Enhancements | Neighborhood Enhancements Subtotal | 0.00 | | |
| No | Parking Policy Pricing | Limit Parking Supply | 0.00 | 0.00 | |
| No | Parking Policy Pricing | Unbundle Parking Costs | 0.00 | 0.00 | |
| No | Parking Policy Pricing | On-street Market Pricing | 0.00 | 0.00 | |
| | Parking Policy Pricing | Parking Policy Pricing Subtotal | 0.00 | | |
| No | Transit Improvements | Provide BRT System | 0.00 | 0.00 | |
| No | Transit Improvements | Expand Transit Network | 0.00 | 0.00 | |
| No | Transit Improvements | Increase Transit Frequency | 0.00 | | 0.00 |
| | Transit Improvements | Transit Improvements Subtotal | 0.00 | | |
| | | Land Use and Site Enhancement Subtotal | 0.00 | | |
| No | Commute | Implement Trip Reduction Program | | | |
| No | Commute | Transit Subsidy | | | |
| No | Commute | Implement Employee Parking "Cash Out" | 4.50 | | |
| No | Commute | Workplace Parking Charge | | 0.00 | |
| No | Commute | Encourage Telecommuting and Alternative Work Schedules | 0.00 | | |
| No | Commute | Market Commute Trip Reduction Option | 0.00 | | |
| No | Commute | Employee Vanpool/Shuttle | 0.00 | | 2.00 |
| No | Commute | Provide Ride Sharing Program | 10.00 | | |
| | Commute | Commute Subtotal | 0.00 | | |
| No | School Trip | Implement School Bus Program | 0.00 | | |

SMPs Project (SMP 39)

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

| | | | | |
|--|---------------------|------|--|--|
| | Total VMT Reduction | 0.00 | | |
|--|---------------------|------|--|--|

Area Mitigation

| Measure Implemented | Mitigation Measure | Input Value |
|---------------------|--|-------------|
| No | Only Natural Gas Hearth | |
| No | No Hearth | |
| No | Use Low VOC Cleaning Supplies | |
| No | Use Low VOC Paint (Residential Interior) | 100.00 |
| No | Use Low VOC Paint (Residential Exterior) | 150.00 |
| No | Use Low VOC Paint (Non-residential Interior) | 100.00 |
| No | Use Low VOC Paint (Non-residential Exterior) | 150.00 |
| No | Use Low VOC Paint (Parking) | 150.00 |
| No | % Electric Lawnmower | |
| No | % Electric Leafblower | |
| No | % Electric Chainsaw | |

Energy Mitigation Measures

| Measure Implemented | Mitigation Measure | Input Value 1 | Input Value 2 |
|---------------------|----------------------------------|---------------|---------------|
| No | Exceed Title 24 | | |
| No | Install High Efficiency Lighting | | |
| No | On-site Renewable | | |

SMPs Project (SMP 39)

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

| Appliance Type | Land Use Subtype | % Improvement |
|----------------|------------------|---------------|
| ClothWasher | | 30.00 |
| DishWasher | | 15.00 |
| Fan | | 50.00 |
| Refrigerator | | 15.00 |

Water Mitigation Measures

| Measure Implemented | Mitigation Measure | Input Value 1 | Input Value 2 |
|---------------------|--|---------------|---------------|
| Yes | Apply Water Conservation on Strategy | 0.00 | 20.00 |
| No | Use Reclaimed Water | 0.00 | 0.00 |
| No | Use Grey Water | 0.00 | |
| No | Install low-flow bathroom faucet | 32.00 | |
| No | Install low-flow Kitchen faucet | 18.00 | |
| No | Install low-flow Toilet | 20.00 | |
| No | Install low-flow Shower | 20.00 | |
| No | Turf Reduction | 0.00 | |
| No | Use Water Efficient Irrigation Systems | 6.10 | |
| No | Water Efficient Landscape | 0.00 | 0.00 |

Solid Waste Mitigation

| Mitigation Measures | Input Value |
|---------------------|-------------|
|---------------------|-------------|

SMPs Project (SMP 39)

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

| | |
|--|--|
| Institute Recycling and Composting Services Percent Reduction in Waste Disposed | |
|--|--|

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Annual

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

SMPs Project (SMP 39) - Mitigated

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|----------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 755.50 | 1000sqft | 44.28 | 755,500.00 | 0 |
| Parking Lot | 1,647.00 | Space | 14.82 | 658,800.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 64 |
| Climate Zone | 4 | | | Operational Year | 2026 |
| Utility Company | Pacific Gas and Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 203.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to represent total acreage of project site.

Construction Phase - Construction phase timing adjusted based on project-specific information provided by the project applicant.

Grading - Based on applicant provided information.

Vehicle Trips - Based on project-specific TIS prepared by TJKM.

Construction Off-road Equipment Mitigation - Based on AQ Questionnaire.

Mobile Land Use Mitigation -

Water Mitigation - Compliant with MWELO.

Operational Off-Road Equipment - Fuel type electric for 25% of forklifts, as required by Mitigation Measure 4.2-2 of EIR.

Stationary Sources - Emergency Generators and Fire Pumps -

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Annual

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

| Table Name | Column Name | Default Value | New Value |
|---------------------------------|----------------------------|---------------|------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstructionPhase | NumDays | 75.00 | 320.00 |
| tblConstructionPhase | NumDays | 1,110.00 | 320.00 |
| tblConstructionPhase | NumDays | 110.00 | 90.00 |
| tblConstructionPhase | NumDays | 75.00 | 60.00 |
| tblGrading | MaterialImported | 0.00 | 24,000.00 |
| tblLandUse | LotAcreage | 17.34 | 44.28 |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | Electrical |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | CNG |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 8.00 |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 22.00 |
| tblStationaryGeneratorsPumpsUse | HorsePowerValue | 0.00 | 201.00 |
| tblStationaryGeneratorsPumpsUse | HoursPerDay | 0.00 | 0.01 |
| tblStationaryGeneratorsPumpsUse | HoursPerYear | 0.00 | 3.00 |
| tblStationaryGeneratorsPumpsUse | NumberOfEquipment | 0.00 | 3.00 |

Operational Mitigation Modeling Results

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Annual

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

| | | | |
|-----------------|--------|------|------|
| tblVehicleTrips | CC_TL | 7.30 | 3.11 |
| tblVehicleTrips | CNW_TL | 7.30 | 3.11 |
| tblVehicleTrips | CW_TL | 9.50 | 4.05 |
| tblVehicleTrips | ST_TR | 1.74 | 4.75 |
| tblVehicleTrips | SU_TR | 1.74 | 4.75 |
| tblVehicleTrips | WD_TR | 1.74 | 4.75 |

2.0 Emissions Summary

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Annual

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 | | | | | |
| 2024 | 0.1451 | 1.6065 | 1.2705 | 3.6200e-003 | 0.4379 | 0.0597 | 0.4976 | 0.1682 | 0.0550 | 0.2232 | 0.0000 | 327.6035 | 327.6035 | 0.0797 | 0.0136 | 333.6603 |
| 2025 | 2.7799 | 2.7654 | 3.9191 | 0.0127 | 0.8620 | 0.0800 | 0.9420 | 0.2126 | 0.0753 | 0.2879 | 0.0000 | 1,178.5896 | 1,178.5896 | 0.0969 | 0.0757 | 1,203.5793 |
| 2026 | 1.8843 | 1.5163 | 2.0983 | 7.2300e-003 | 0.4412 | 0.0408 | 0.4821 | 0.1195 | 0.0386 | 0.1582 | 0.0000 | 677.5171 | 677.5171 | 0.0457 | 0.0454 | 692.1774 |
| Maximum | 2.7799 | 2.7654 | 3.9191 | 0.0127 | 0.8620 | 0.0800 | 0.9420 | 0.2126 | 0.0753 | 0.2879 | 0.0000 | 1,178.5896 | 1,178.5896 | 0.0969 | 0.0757 | 1,203.5793 |

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 | | | | | |
| 2024 | 0.0773 | 1.4773 | 1.6527 | 3.6200e-003 | 0.4379 | 0.0534 | 0.4913 | 0.1682 | 0.0528 | 0.2211 | 0.0000 | 327.6033 | 327.6033 | 0.0797 | 0.0136 | 333.6600 |
| 2025 | 2.7569 | 2.8101 | 4.1233 | 0.0127 | 0.8620 | 0.0813 | 0.9433 | 0.2126 | 0.0783 | 0.2909 | 0.0000 | 1,178.5892 | 1,178.5892 | 0.0969 | 0.0757 | 1,203.5789 |
| 2026 | 1.8752 | 1.4935 | 2.1696 | 7.2300e-003 | 0.4412 | 0.0392 | 0.4804 | 0.1195 | 0.0376 | 0.1571 | 0.0000 | 677.5169 | 677.5169 | 0.0457 | 0.0454 | 692.1772 |
| Maximum | 2.7569 | 2.8101 | 4.1233 | 0.0127 | 0.8620 | 0.0813 | 0.9433 | 0.2126 | 0.0783 | 0.2909 | 0.0000 | 1,178.5892 | 1,178.5892 | 0.0969 | 0.0757 | 1,203.5789 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Annual

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 | 2.08 | 1.82 | -9.03 | 0.00 | 0.00 | 3.72 | 0.35 | 0.00 | 0.14 | 0.03 | 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 | 9-2-2024 | 12-1-2024 | 1.3090 | 1.1618 |
| 2 | 12-2-2024 | 3-1-2025 | 0.6782 | 0.6796 |
| 3 | 3-2-2025 | 6-1-2025 | 1.2022 | 1.2137 |
| 4 | 6-2-2025 | 9-1-2025 | 1.7537 | 1.7366 |
| 5 | 9-2-2025 | 12-1-2025 | 1.7531 | 1.7361 |
| 6 | 12-2-2025 | 3-1-2026 | 1.7369 | 1.7201 |
| 7 | 3-2-2026 | 6-1-2026 | 1.7547 | 1.7375 |
| 8 | 6-2-2026 | 9-1-2026 | 0.4776 | 0.4742 |
| | | Highest | 1.7547 | 1.7375 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Annual

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 | 3.4029 | 2.0000e-004 | 0.0220 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.0429 | 0.0429 | 1.1000e-004 | 0.0000 | 0.0457 |
| Energy | 0.0140 | 0.1274 | 0.1070 | 7.6000e-004 | | 9.6800e-003 | 9.6800e-003 | | 9.6800e-003 | 9.6800e-003 | 0.0000 | 404.6784 | 404.6784 | 0.0457 | 7.7600e-003 | 408.1327 |
| Mobile | 1.0849 | 0.9931 | 8.4970 | 0.0148 | 1.6468 | 0.0117 | 1.6585 | 0.4400 | 0.0109 | 0.4509 | 0.0000 | 1,413.1699 | 1,413.1699 | 0.1176 | 0.0797 | 1,439.8690 |
| Offroad | 0.0573 | 2.7389 | 27.3397 | 4.3700e-003 | | 0.0532 | 0.0532 | | 0.0532 | 0.0532 | 0.0000 | 501.5298 | 501.5298 | 0.1622 | 0.0000 | 505.5849 |
| Stationary | 1.4800e-003 | 4.1500e-003 | 3.7800e-003 | 1.0000e-005 | | 2.2000e-004 | 2.2000e-004 | | 2.2000e-004 | 2.2000e-004 | 0.0000 | 0.6889 | 0.6889 | 1.0000e-004 | 0.0000 | 0.6913 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 144.1581 | 0.0000 | 144.1581 | 8.5195 | 0.0000 | 357.1456 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 55.4272 | 87.4676 | 142.8948 | 5.7071 | 0.1361 | 326.1401 |
| Total | 4.5606 | 3.8638 | 35.9695 | 0.0200 | 1.6468 | 0.0748 | 1.7217 | 0.4400 | 0.0740 | 0.5140 | 199.5853 | 2,407.5774 | 2,607.1627 | 14.5523 | 0.2236 | 3,037.6093 |

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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 | 3.4029 | 2.0000e-004 | 0.0220 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.0429 | 0.0429 | 1.1000e-004 | 0.0000 | 0.0457 |
| Energy | 0.0140 | 0.1274 | 0.1070 | 7.6000e-004 | | 9.6800e-003 | 9.6800e-003 | | 9.6800e-003 | 9.6800e-003 | 0.0000 | 404.6784 | 404.6784 | 0.0457 | 7.7600e-003 | 408.1327 |
| Mobile | 1.0849 | 0.9931 | 8.4970 | 0.0148 | 1.6468 | 0.0117 | 1.6585 | 0.4400 | 0.0109 | 0.4509 | 0.0000 | 1,413.1699 | 1,413.1699 | 0.1176 | 0.0797 | 1,439.8690 |
| Offroad | 0.0573 | 2.7389 | 27.3397 | 4.3700e-003 | | 0.0532 | 0.0532 | | 0.0532 | 0.0532 | 0.0000 | 501.5298 | 501.5298 | 0.1622 | 0.0000 | 505.5849 |
| Stationary | 1.4800e-003 | 4.1500e-003 | 3.7800e-003 | 1.0000e-005 | | 2.2000e-004 | 2.2000e-004 | | 2.2000e-004 | 2.2000e-004 | 0.0000 | 0.6889 | 0.6889 | 1.0000e-004 | 0.0000 | 0.6913 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 144.1581 | 0.0000 | 144.1581 | 8.5195 | 0.0000 | 357.1456 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 55.4272 | 87.4676 | 142.8948 | 5.7071 | 0.1361 | 326.1401 |
| Total | 4.5606 | 3.8638 | 35.9695 | 0.0200 | 1.6468 | 0.0748 | 1.7217 | 0.4400 | 0.0740 | 0.5140 | 199.5853 | 2,407.5774 | 2,607.1627 | 14.5523 | 0.2236 | 3,037.6093 |

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

3.0 Construction Detail

Construction Phase

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Annual

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

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Grading | Grading | 9/2/2024 | 1/3/2025 | 5 | 90 | |
| 2 | Paving | Paving | 1/4/2025 | 3/28/2025 | 5 | 60 | |
| 3 | Building Construction | Building Construction | 3/29/2025 | 6/19/2026 | 5 | 320 | |
| 4 | Architectural Coating | Architectural Coating | 4/12/2025 | 7/3/2026 | 5 | 320 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 270

Acres of Paving: 14.82

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,133,250; Non-Residential Outdoor: 377,750; Striped Parking Area: 39,528 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Grading | Excavators | 2 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

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

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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Grading | 8 | 20.00 | 0.00 | 3,000.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 594.00 | 232.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 119.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Grading - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.4065 | 0.0000 | 0.4065 | 0.1597 | 0.0000 | 0.1597 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1400 | 1.4084 | 1.2059 | 2.7000e-003 | | 0.0581 | 0.0581 | | 0.0534 | 0.0534 | 0.0000 | 237.1599 | 237.1599 | 0.0767 | 0.0000 | 239.0775 |
| Total | 0.1400 | 1.4084 | 1.2059 | 2.7000e-003 | 0.4065 | 0.0581 | 0.4646 | 0.1597 | 0.0534 | 0.2131 | 0.0000 | 237.1599 | 237.1599 | 0.0767 | 0.0000 | 239.0775 |

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

3.2 Grading - 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 | 3.0100e-003 | 0.1968 | 0.0465 | 8.6000e-004 | 0.0245 | 1.6000e-003 | 0.0261 | 6.7500e-003 | 1.5300e-003 | 8.2800e-003 | 0.0000 | 85.1886 | 85.1886 | 2.8500e-003 | 0.0135 | 89.2833 |
| 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 | 2.0800e-003 | 1.3600e-003 | 0.0180 | 6.0000e-005 | 6.8700e-003 | 3.0000e-005 | 6.9100e-003 | 1.8300e-003 | 3.0000e-005 | 1.8600e-003 | 0.0000 | 5.2550 | 5.2550 | 1.4000e-004 | 1.4000e-004 | 5.2996 |
| Total | 5.0900e-003 | 0.1981 | 0.0645 | 9.2000e-004 | 0.0314 | 1.6300e-003 | 0.0330 | 8.5800e-003 | 1.5600e-003 | 0.0101 | 0.0000 | 90.4436 | 90.4436 | 2.9900e-003 | 0.0136 | 94.5828 |

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 | | | | | 0.4065 | 0.0000 | 0.4065 | 0.1597 | 0.0000 | 0.1597 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0722 | 1.2792 | 1.5882 | 2.7000e-003 | | 0.0517 | 0.0517 | | 0.0513 | 0.0513 | 0.0000 | 237.1596 | 237.1596 | 0.0767 | 0.0000 | 239.0772 |
| Total | 0.0722 | 1.2792 | 1.5882 | 2.7000e-003 | 0.4065 | 0.0517 | 0.4582 | 0.1597 | 0.0513 | 0.2109 | 0.0000 | 237.1596 | 237.1596 | 0.0767 | 0.0000 | 239.0772 |

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3.2 Grading - 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 | 3.0100e-003 | 0.1968 | 0.0465 | 8.6000e-004 | 0.0245 | 1.6000e-003 | 0.0261 | 6.7500e-003 | 1.5300e-003 | 8.2800e-003 | 0.0000 | 85.1886 | 85.1886 | 2.8500e-003 | 0.0135 | 89.2833 |
| 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 | 2.0800e-003 | 1.3600e-003 | 0.0180 | 6.0000e-005 | 6.8700e-003 | 3.0000e-005 | 6.9100e-003 | 1.8300e-003 | 3.0000e-005 | 1.8600e-003 | 0.0000 | 5.2550 | 5.2550 | 1.4000e-004 | 1.4000e-004 | 5.2996 |
| Total | 5.0900e-003 | 0.1981 | 0.0645 | 9.2000e-004 | 0.0314 | 1.6300e-003 | 0.0330 | 8.5800e-003 | 1.5600e-003 | 0.0101 | 0.0000 | 90.4436 | 90.4436 | 2.9900e-003 | 0.0136 | 94.5828 |

3.2 Grading - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.1536 | 0.0000 | 0.1536 | 0.0206 | 0.0000 | 0.0206 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 4.3500e-003 | 0.0419 | 0.0395 | 9.0000e-005 | | 1.7000e-003 | 1.7000e-003 | | 1.5600e-003 | 1.5600e-003 | 0.0000 | 8.1759 | 8.1759 | 2.6400e-003 | 0.0000 | 8.2420 |
| Total | 4.3500e-003 | 0.0419 | 0.0395 | 9.0000e-005 | 0.1536 | 1.7000e-003 | 0.1553 | 0.0206 | 1.5600e-003 | 0.0222 | 0.0000 | 8.1759 | 8.1759 | 2.6400e-003 | 0.0000 | 8.2420 |

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

3.2 Grading - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 1.0000e-004 | 6.7400e-003 | 1.6100e-003 | 3.0000e-005 | 8.5000e-004 | 6.0000e-005 | 9.0000e-004 | 2.3000e-004 | 5.0000e-005 | 2.9000e-004 | 0.0000 | 2.8818 | 2.8818 | 1.0000e-004 | 4.6000e-004 | 3.0203 |
| 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 | 7.0000e-005 | 4.0000e-005 | 5.8000e-004 | 0.0000 | 2.4000e-004 | 0.0000 | 2.4000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1769 | 0.1769 | 0.0000 | 0.0000 | 0.1783 |
| Total | 1.7000e-004 | 6.7800e-003 | 2.1900e-003 | 3.0000e-005 | 1.0900e-003 | 6.0000e-005 | 1.1400e-003 | 2.9000e-004 | 5.0000e-005 | 3.5000e-004 | 0.0000 | 3.0586 | 3.0586 | 1.0000e-004 | 4.6000e-004 | 3.1986 |

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 | | | | | 0.1536 | 0.0000 | 0.1536 | 0.0206 | 0.0000 | 0.0206 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.4500e-003 | 0.0438 | 0.0548 | 9.0000e-005 | | 1.7500e-003 | 1.7500e-003 | | 1.7300e-003 | 1.7300e-003 | 0.0000 | 8.1759 | 8.1759 | 2.6400e-003 | 0.0000 | 8.2420 |
| Total | 2.4500e-003 | 0.0438 | 0.0548 | 9.0000e-005 | 0.1536 | 1.7500e-003 | 0.1553 | 0.0206 | 1.7300e-003 | 0.0224 | 0.0000 | 8.1759 | 8.1759 | 2.6400e-003 | 0.0000 | 8.2420 |

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3.2 Grading - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 1.0000e-004 | 6.7400e-003 | 1.6100e-003 | 3.0000e-005 | 8.5000e-004 | 6.0000e-005 | 9.0000e-004 | 2.3000e-004 | 5.0000e-005 | 2.9000e-004 | 0.0000 | 2.8818 | 2.8818 | 1.0000e-004 | 4.6000e-004 | 3.0203 |
| 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 | 7.0000e-005 | 4.0000e-005 | 5.8000e-004 | 0.0000 | 2.4000e-004 | 0.0000 | 2.4000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1769 | 0.1769 | 0.0000 | 0.0000 | 0.1783 |
| Total | 1.7000e-004 | 6.7800e-003 | 2.1900e-003 | 3.0000e-005 | 1.0900e-003 | 6.0000e-005 | 1.1400e-003 | 2.9000e-004 | 5.0000e-005 | 3.5000e-004 | 0.0000 | 3.0586 | 3.0586 | 1.0000e-004 | 4.6000e-004 | 3.1986 |

3.3 Paving - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0275 | 0.2575 | 0.4373 | 6.8000e-004 | | 0.0126 | 0.0126 | | 0.0116 | 0.0116 | 0.0000 | 60.0578 | 60.0578 | 0.0194 | 0.0000 | 60.5434 |
| Paving | 0.0194 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0469 | 0.2575 | 0.4373 | 6.8000e-004 | | 0.0126 | 0.0126 | | 0.0116 | 0.0116 | 0.0000 | 60.0578 | 60.0578 | 0.0194 | 0.0000 | 60.5434 |

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3.3 Paving - 2025

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 | 1.0100e-003 | 6.3000e-004 | 8.7500e-003 | 3.0000e-005 | 3.5600e-003 | 2.0000e-005 | 3.5700e-003 | 9.5000e-004 | 2.0000e-005 | 9.6000e-004 | 0.0000 | 2.6532 | 2.6532 | 7.0000e-005 | 7.0000e-005 | 2.6747 |
| Total | 1.0100e-003 | 6.3000e-004 | 8.7500e-003 | 3.0000e-005 | 3.5600e-003 | 2.0000e-005 | 3.5700e-003 | 9.5000e-004 | 2.0000e-005 | 9.6000e-004 | 0.0000 | 2.6532 | 2.6532 | 7.0000e-005 | 7.0000e-005 | 2.6747 |

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 | 0.0212 | 0.3373 | 0.5106 | 6.8000e-004 | | 0.0165 | 0.0165 | | 0.0161 | 0.0161 | 0.0000 | 60.0577 | 60.0577 | 0.0194 | 0.0000 | 60.5433 |
| Paving | 0.0194 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0406 | 0.3373 | 0.5106 | 6.8000e-004 | | 0.0165 | 0.0165 | | 0.0161 | 0.0161 | 0.0000 | 60.0577 | 60.0577 | 0.0194 | 0.0000 | 60.5433 |

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

3.3 Paving - 2025

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 | 1.0100e-003 | 6.3000e-004 | 8.7500e-003 | 3.0000e-005 | 3.5600e-003 | 2.0000e-005 | 3.5700e-003 | 9.5000e-004 | 2.0000e-005 | 9.6000e-004 | 0.0000 | 2.6532 | 2.6532 | 7.0000e-005 | 7.0000e-005 | 2.6747 |
| Total | 1.0100e-003 | 6.3000e-004 | 8.7500e-003 | 3.0000e-005 | 3.5600e-003 | 2.0000e-005 | 3.5700e-003 | 9.5000e-004 | 2.0000e-005 | 9.6000e-004 | 0.0000 | 2.6532 | 2.6532 | 7.0000e-005 | 7.0000e-005 | 2.6747 |

3.4 Building Construction - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.1354 | 1.2345 | 1.5924 | 2.6700e-003 | | 0.0522 | 0.0522 | | 0.0491 | 0.0491 | 0.0000 | 229.6003 | 229.6003 | 0.0540 | 0.0000 | 230.9496 |
| Total | 0.1354 | 1.2345 | 1.5924 | 2.6700e-003 | | 0.0522 | 0.0522 | | 0.0491 | 0.0491 | 0.0000 | 229.6003 | 229.6003 | 0.0540 | 0.0000 | 230.9496 |

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3.4 Building Construction - 2025

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 | 0.0232 | 1.0178 | 0.3073 | 4.5000e-003 | 0.1507 | 6.0200e-003 | 0.1567 | 0.0436 | 5.7600e-003 | 0.0494 | 0.0000 | 438.3755 | 438.3755 | 9.1500e-003 | 0.0648 | 457.9173 |
| Worker | 0.1325 | 0.0829 | 1.1440 | 3.6700e-003 | 0.4647 | 2.1800e-003 | 0.4669 | 0.1236 | 2.0100e-003 | 0.1256 | 0.0000 | 346.7158 | 346.7158 | 8.6300e-003 | 8.7300e-003 | 349.5327 |
| Total | 0.1557 | 1.1007 | 1.4513 | 8.1700e-003 | 0.6154 | 8.2000e-003 | 0.6236 | 0.1672 | 7.7700e-003 | 0.1750 | 0.0000 | 785.0914 | 785.0914 | 0.0178 | 0.0735 | 807.4500 |

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 | 0.1206 | 1.1975 | 1.7081 | 2.6700e-003 | | 0.0496 | 0.0496 | | 0.0474 | 0.0474 | 0.0000 | 229.6000 | 229.6000 | 0.0540 | 0.0000 | 230.9493 |
| Total | 0.1206 | 1.1975 | 1.7081 | 2.6700e-003 | | 0.0496 | 0.0496 | | 0.0474 | 0.0474 | 0.0000 | 229.6000 | 229.6000 | 0.0540 | 0.0000 | 230.9493 |

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

3.4 Building Construction - 2025

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 | 0.0232 | 1.0178 | 0.3073 | 4.5000e-003 | 0.1507 | 6.0200e-003 | 0.1567 | 0.0436 | 5.7600e-003 | 0.0494 | 0.0000 | 438.3755 | 438.3755 | 9.1500e-003 | 0.0648 | 457.9173 |
| Worker | 0.1325 | 0.0829 | 1.1440 | 3.6700e-003 | 0.4647 | 2.1800e-003 | 0.4669 | 0.1236 | 2.0100e-003 | 0.1256 | 0.0000 | 346.7158 | 346.7158 | 8.6300e-003 | 8.7300e-003 | 349.5327 |
| Total | 0.1557 | 1.1007 | 1.4513 | 8.1700e-003 | 0.6154 | 8.2000e-003 | 0.6236 | 0.1672 | 7.7700e-003 | 0.1750 | 0.0000 | 785.0914 | 785.0914 | 0.0178 | 0.0735 | 807.4500 |

3.4 Building Construction - 2026

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 | 0.0834 | 0.7607 | 0.9812 | 1.6400e-003 | | 0.0322 | 0.0322 | | 0.0303 | 0.0303 | 0.0000 | 141.4709 | 141.4709 | 0.0333 | 0.0000 | 142.3023 |
| Total | 0.0834 | 0.7607 | 0.9812 | 1.6400e-003 | | 0.0322 | 0.0322 | | 0.0303 | 0.0303 | 0.0000 | 141.4709 | 141.4709 | 0.0333 | 0.0000 | 142.3023 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Annual

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

3.4 Building Construction - 2026

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 | 0.0140 | 0.6235 | 0.1866 | 2.7200e-003 | 0.0929 | 3.6900e-003 | 0.0966 | 0.0269 | 3.5300e-003 | 0.0304 | 0.0000 | 265.1621 | 265.1621 | 5.6100e-003 | 0.0392 | 276.9772 |
| Worker | 0.0772 | 0.0465 | 0.6666 | 2.1900e-003 | 0.2863 | 1.2800e-003 | 0.2876 | 0.0762 | 1.1800e-003 | 0.0774 | 0.0000 | 208.7783 | 208.7783 | 4.8600e-003 | 5.0800e-003 | 210.4145 |
| Total | 0.0912 | 0.6700 | 0.8532 | 4.9100e-003 | 0.3792 | 4.9700e-003 | 0.3842 | 0.1030 | 4.7100e-003 | 0.1077 | 0.0000 | 473.9405 | 473.9405 | 0.0105 | 0.0443 | 487.3917 |

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 | 0.0743 | 0.7379 | 1.0524 | 1.6400e-003 | | 0.0305 | 0.0305 | | 0.0292 | 0.0292 | 0.0000 | 141.4707 | 141.4707 | 0.0333 | 0.0000 | 142.3021 |
| Total | 0.0743 | 0.7379 | 1.0524 | 1.6400e-003 | | 0.0305 | 0.0305 | | 0.0292 | 0.0292 | 0.0000 | 141.4707 | 141.4707 | 0.0333 | 0.0000 | 142.3021 |

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3.4 Building Construction - 2026

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 | 0.0140 | 0.6235 | 0.1866 | 2.7200e-003 | 0.0929 | 3.6900e-003 | 0.0966 | 0.0269 | 3.5300e-003 | 0.0304 | 0.0000 | 265.1621 | 265.1621 | 5.6100e-003 | 0.0392 | 276.9772 |
| Worker | 0.0772 | 0.0465 | 0.6666 | 2.1900e-003 | 0.2863 | 1.2800e-003 | 0.2876 | 0.0762 | 1.1800e-003 | 0.0774 | 0.0000 | 208.7783 | 208.7783 | 4.8600e-003 | 5.0800e-003 | 210.4145 |
| Total | 0.0912 | 0.6700 | 0.8532 | 4.9100e-003 | 0.3792 | 4.9700e-003 | 0.3842 | 0.1030 | 4.7100e-003 | 0.1077 | 0.0000 | 473.9405 | 473.9405 | 0.0105 | 0.0443 | 487.3917 |

3.5 Architectural Coating - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 2.3952 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0161 | 0.1077 | 0.1701 | 2.8000e-004 | | 4.8400e-003 | 4.8400e-003 | | 4.8400e-003 | 4.8400e-003 | 0.0000 | 24.0006 | 24.0006 | 1.3100e-003 | 0.0000 | 24.0333 |
| Total | 2.4112 | 0.1077 | 0.1701 | 2.8000e-004 | | 4.8400e-003 | 4.8400e-003 | | 4.8400e-003 | 4.8400e-003 | 0.0000 | 24.0006 | 24.0006 | 1.3100e-003 | 0.0000 | 24.0333 |

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3.5 Architectural Coating - 2025

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 | 0.0252 | 0.0158 | 0.2176 | 7.0000e-004 | 0.0884 | 4.2000e-004 | 0.0888 | 0.0235 | 3.8000e-004 | 0.0239 | 0.0000 | 65.9518 | 65.9518 | 1.6400e-003 | 1.6600e-003 | 66.4877 |
| Total | 0.0252 | 0.0158 | 0.2176 | 7.0000e-004 | 0.0884 | 4.2000e-004 | 0.0888 | 0.0235 | 3.8000e-004 | 0.0239 | 0.0000 | 65.9518 | 65.9518 | 1.6400e-003 | 1.6600e-003 | 66.4877 |

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 | 2.3952 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0161 | 0.1077 | 0.1701 | 2.8000e-004 | | 4.8400e-003 | 4.8400e-003 | | 4.8400e-003 | 4.8400e-003 | 0.0000 | 24.0006 | 24.0006 | 1.3100e-003 | 0.0000 | 24.0333 |
| Total | 2.4112 | 0.1077 | 0.1701 | 2.8000e-004 | | 4.8400e-003 | 4.8400e-003 | | 4.8400e-003 | 4.8400e-003 | 0.0000 | 24.0006 | 24.0006 | 1.3100e-003 | 0.0000 | 24.0333 |

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3.5 Architectural Coating - 2025

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 | 0.0252 | 0.0158 | 0.2176 | 7.0000e-004 | 0.0884 | 4.2000e-004 | 0.0888 | 0.0235 | 3.8000e-004 | 0.0239 | 0.0000 | 65.9518 | 65.9518 | 1.6400e-003 | 1.6600e-003 | 66.4877 |
| Total | 0.0252 | 0.0158 | 0.2176 | 7.0000e-004 | 0.0884 | 4.2000e-004 | 0.0888 | 0.0235 | 3.8000e-004 | 0.0239 | 0.0000 | 65.9518 | 65.9518 | 1.6400e-003 | 1.6600e-003 | 66.4877 |

3.5 Architectural Coating - 2026

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 | 1.6817 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0113 | 0.0756 | 0.1194 | 2.0000e-004 | | 3.4000e-003 | 3.4000e-003 | | 3.4000e-003 | 3.4000e-003 | 0.0000 | 16.8515 | 16.8515 | 9.2000e-004 | 0.0000 | 16.8745 |
| Total | 1.6930 | 0.0756 | 0.1194 | 2.0000e-004 | | 3.4000e-003 | 3.4000e-003 | | 3.4000e-003 | 3.4000e-003 | 0.0000 | 16.8515 | 16.8515 | 9.2000e-004 | 0.0000 | 16.8745 |

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3.5 Architectural Coating - 2026

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 | 0.0167 | 0.0101 | 0.1445 | 4.7000e-004 | 0.0621 | 2.8000e-004 | 0.0623 | 0.0165 | 2.6000e-004 | 0.0168 | 0.0000 | 45.2543 | 45.2543 | 1.0500e-003 | 1.1000e-003 | 45.6090 |
| Total | 0.0167 | 0.0101 | 0.1445 | 4.7000e-004 | 0.0621 | 2.8000e-004 | 0.0623 | 0.0165 | 2.6000e-004 | 0.0168 | 0.0000 | 45.2543 | 45.2543 | 1.0500e-003 | 1.1000e-003 | 45.6090 |

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 | 1.6817 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0113 | 0.0756 | 0.1194 | 2.0000e-004 | | 3.4000e-003 | 3.4000e-003 | | 3.4000e-003 | 3.4000e-003 | 0.0000 | 16.8515 | 16.8515 | 9.2000e-004 | 0.0000 | 16.8744 |
| Total | 1.6930 | 0.0756 | 0.1194 | 2.0000e-004 | | 3.4000e-003 | 3.4000e-003 | | 3.4000e-003 | 3.4000e-003 | 0.0000 | 16.8515 | 16.8515 | 9.2000e-004 | 0.0000 | 16.8744 |

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

3.5 Architectural Coating - 2026

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 | 0.0167 | 0.0101 | 0.1445 | 4.7000e-004 | 0.0621 | 2.8000e-004 | 0.0623 | 0.0165 | 2.6000e-004 | 0.0168 | 0.0000 | 45.2543 | 45.2543 | 1.0500e-003 | 1.1000e-003 | 45.6090 |
| Total | 0.0167 | 0.0101 | 0.1445 | 4.7000e-004 | 0.0621 | 2.8000e-004 | 0.0623 | 0.0165 | 2.6000e-004 | 0.0168 | 0.0000 | 45.2543 | 45.2543 | 1.0500e-003 | 1.1000e-003 | 45.6090 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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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 | 1.0849 | 0.9931 | 8.4970 | 0.0148 | 1.6468 | 0.0117 | 1.6585 | 0.4400 | 0.0109 | 0.4509 | 0.0000 | 1,413.1699 | 1,413.1699 | 0.1176 | 0.0797 | 1,439.8690 |
| Unmitigated | 1.0849 | 0.9931 | 8.4970 | 0.0148 | 1.6468 | 0.0117 | 1.6585 | 0.4400 | 0.0109 | 0.4509 | 0.0000 | 1,413.1699 | 1,413.1699 | 0.1176 | 0.0797 | 1,439.8690 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|-----------------|-----------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 3,588.63 | 3,588.63 | 3,588.63 | 4,467,720 | 4,467,720 |
| Total | 3,588.63 | 3,588.63 | 3,588.63 | 4,467,720 | 4,467,720 |

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 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No Rail | 4.05 | 3.11 | 3.11 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Parking Lot | 0.554285 | 0.058871 | 0.188253 | 0.120585 | 0.022598 | 0.005697 | 0.010798 | 0.007525 | 0.000977 | 0.000545 | 0.026246 | 0.000848 | 0.002771 |
| Unrefrigerated Warehouse-No Rail | 0.554285 | 0.058871 | 0.188253 | 0.120585 | 0.022598 | 0.005697 | 0.010798 | 0.007525 | 0.000977 | 0.000545 | 0.026246 | 0.000848 | 0.002771 |

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|---------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 265.9901 | 265.9901 | 0.0430 | 5.2200e-003 | 268.6203 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 265.9901 | 265.9901 | 0.0430 | 5.2200e-003 | 268.6203 |
| NaturalGas Mitigated | 0.0140 | 0.1274 | 0.1070 | 7.6000e-004 | | 9.6800e-003 | 9.6800e-003 | | 9.6800e-003 | 9.6800e-003 | 0.0000 | 138.6883 | 138.6883 | 2.6600e-003 | 2.5400e-003 | 139.5124 |
| NaturalGas Unmitigated | 0.0140 | 0.1274 | 0.1070 | 7.6000e-004 | | 9.6800e-003 | 9.6800e-003 | | 9.6800e-003 | 9.6800e-003 | 0.0000 | 138.6883 | 138.6883 | 2.6600e-003 | 2.5400e-003 | 139.5124 |

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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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 2.59892e+006 | 0.0140 | 0.1274 | 0.1070 | 7.6000e-004 | | 9.6800e-003 | 9.6800e-003 | | 9.6800e-003 | 9.6800e-003 | 0.0000 | 138.6883 | 138.6883 | 2.6600e-003 | 2.5400e-003 | 139.5124 |
| Total | | 0.0140 | 0.1274 | 0.1070 | 7.6000e-004 | | 9.6800e-003 | 9.6800e-003 | | 9.6800e-003 | 9.6800e-003 | 0.0000 | 138.6883 | 138.6883 | 2.6600e-003 | 2.5400e-003 | 139.5124 |

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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 2.59892e+006 | 0.0140 | 0.1274 | 0.1070 | 7.6000e-004 | | 9.6800e-003 | 9.6800e-003 | | 9.6800e-003 | 9.6800e-003 | 0.0000 | 138.6883 | 138.6883 | 2.6600e-003 | 2.5400e-003 | 139.5124 |
| Total | | 0.0140 | 0.1274 | 0.1070 | 7.6000e-004 | | 9.6800e-003 | 9.6800e-003 | | 9.6800e-003 | 9.6800e-003 | 0.0000 | 138.6883 | 138.6883 | 2.6600e-003 | 2.5400e-003 | 139.5124 |

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5.3 Energy by Land Use - Electricity

Unmitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Parking Lot | 230580 | 21.3341 | 3.4500e-003 | 4.2000e-004 | 21.5451 |
| Unrefrigerated Warehouse-No Rail | 2.64425e+006 | 244.6560 | 0.0396 | 4.8000e-003 | 247.0752 |
| Total | | 265.9901 | 0.0430 | 5.2200e-003 | 268.6203 |

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Parking Lot | 230580 | 21.3341 | 3.4500e-003 | 4.2000e-004 | 21.5451 |
| Unrefrigerated Warehouse-No Rail | 2.64425e+006 | 244.6560 | 0.0396 | 4.8000e-003 | 247.0752 |
| Total | | 265.9901 | 0.0430 | 5.2200e-003 | 268.6203 |

6.0 Area Detail

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Annual

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

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|--------|--------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 3.4029 | 2.0000e-004 | 0.0220 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.0429 | 0.0429 | 1.1000e-004 | 0.0000 | 0.0457 |
| Unmitigated | 3.4029 | 2.0000e-004 | 0.0220 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.0429 | 0.0429 | 1.1000e-004 | 0.0000 | 0.0457 |

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 | 0.4077 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 2.9932 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 2.0300e-003 | 2.0000e-004 | 0.0220 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.0429 | 0.0429 | 1.1000e-004 | 0.0000 | 0.0457 |
| Total | 3.4029 | 2.0000e-004 | 0.0220 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.0429 | 0.0429 | 1.1000e-004 | 0.0000 | 0.0457 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Annual

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 | 0.4077 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 2.9932 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 2.0300e-003 | 2.0000e-004 | 0.0220 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.0429 | 0.0429 | 1.1000e-004 | 0.0000 | 0.0457 |
| Total | 3.4029 | 2.0000e-004 | 0.0220 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.0429 | 0.0429 | 1.1000e-004 | 0.0000 | 0.0457 |

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Annual

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 | 142.8948 | 5.7071 | 0.1361 | 326.1401 |
| Unmitigated | 142.8948 | 5.7071 | 0.1361 | 326.1401 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|--------------------|-----------------|---------------|---------------|-----------------|
| Land Use | Mgal | MT/yr | | | |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 174.709 / 0 | 142.8948 | 5.7071 | 0.1361 | 326.1401 |
| Total | | 142.8948 | 5.7071 | 0.1361 | 326.1401 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Annual

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 | | | |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 174.709 / 0 | 142.8948 | 5.7071 | 0.1361 | 326.1401 |
| Total | | 142.8948 | 5.7071 | 0.1361 | 326.1401 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|----------|
| | MT/yr | | | |
| Mitigated | 144.1581 | 8.5195 | 0.0000 | 357.1456 |
| Unmitigated | 144.1581 | 8.5195 | 0.0000 | 357.1456 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Annual

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

8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|-----------------|---------------|---------------|-----------------|
| Land Use | tons | MT/yr | | | |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 710.17 | 144.1581 | 8.5195 | 0.0000 | 357.1456 |
| Total | | 144.1581 | 8.5195 | 0.0000 | 357.1456 |

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|-----------------|---------------|---------------|-----------------|
| Land Use | tons | MT/yr | | | |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 710.17 | 144.1581 | 8.5195 | 0.0000 | 357.1456 |
| Total | | 144.1581 | 8.5195 | 0.0000 | 357.1456 |

9.0 Operational Offroad

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Annual

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

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|------------|
| Forklifts | 8 | 8.00 | 260 | 89 | 0.20 | Electrical |
| Forklifts | 22 | 8.00 | 260 | 89 | 0.20 | CNG |

UnMitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|---------------|----------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Equipment Type | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Forklifts | 0.0573 | 2.7389 | 27.3397 | 4.3700e-003 | | 0.0532 | 0.0532 | | 0.0532 | 0.0532 | 0.0000 | 501.5298 | 501.5298 | 0.1622 | 0.0000 | 505.5849 |
| Total | 0.0573 | 2.7389 | 27.3397 | 4.3700e-003 | | 0.0532 | 0.0532 | | 0.0532 | 0.0532 | 0.0000 | 501.5298 | 501.5298 | 0.1622 | 0.0000 | 505.5849 |

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---------------------|--------|-----------|------------|-------------|-------------|-----------|
| Emergency Generator | 3 | 0.01 | 3 | 201 | 0.73 | Diesel |

Boilers

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

User Defined Equipment

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

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Annual

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

10.1 Stationary Sources

Unmitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Equipment Type | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Emergency Generator - Diesel (175 - 300 HP) | 1.4800e-003 | 4.1500e-003 | 3.7800e-003 | 1.0000e-005 | | 2.2000e-004 | 2.2000e-004 | | 2.2000e-004 | 2.2000e-004 | 0.0000 | 0.6889 | 0.6889 | 1.0000e-004 | 0.0000 | 0.6913 |
| Total | 1.4800e-003 | 4.1500e-003 | 3.7800e-003 | 1.0000e-005 | | 2.2000e-004 | 2.2000e-004 | | 2.2000e-004 | 2.2000e-004 | 0.0000 | 0.6889 | 0.6889 | 1.0000e-004 | 0.0000 | 0.6913 |

11.0 Vegetation

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Summer

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

SMPs Project (SMP 39) - Mitigated

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|----------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 755.50 | 1000sqft | 44.28 | 755,500.00 | 0 |
| Parking Lot | 1,647.00 | Space | 14.82 | 658,800.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 64 |
| Climate Zone | 4 | | | Operational Year | 2026 |
| Utility Company | Pacific Gas and Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 203.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to represent total acreage of project site.

Construction Phase - Construction phase timing adjusted based on project-specific information provided by the project applicant.

Grading - Based on applicant provided information.

Vehicle Trips - Based on project-specific TIS prepared by TJKM.

Construction Off-road Equipment Mitigation - Based on AQ Questionnaire.

Mobile Land Use Mitigation -

Water Mitigation - Compliant with MWELO.

Operational Off-Road Equipment - Fuel type electric for 25% of forklifts, as required by Mitigation Measure 4.2-2 of EIR.

Stationary Sources - Emergency Generators and Fire Pumps -

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Summer

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

| Table Name | Column Name | Default Value | New Value |
|---------------------------------|----------------------------|---------------|------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstructionPhase | NumDays | 75.00 | 320.00 |
| tblConstructionPhase | NumDays | 1,110.00 | 320.00 |
| tblConstructionPhase | NumDays | 110.00 | 90.00 |
| tblConstructionPhase | NumDays | 75.00 | 60.00 |
| tblGrading | MaterialImported | 0.00 | 24,000.00 |
| tblLandUse | LotAcreage | 17.34 | 44.28 |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | Electrical |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | CNG |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 8.00 |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 22.00 |
| tblStationaryGeneratorsPumpsUse | HorsePowerValue | 0.00 | 201.00 |
| tblStationaryGeneratorsPumpsUse | HoursPerDay | 0.00 | 0.01 |
| tblStationaryGeneratorsPumpsUse | HoursPerYear | 0.00 | 3.00 |
| tblStationaryGeneratorsPumpsUse | NumberOfEquipment | 0.00 | 3.00 |

Operational Mitigation Modeling Results

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Summer

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

| | | | |
|-----------------|--------|------|------|
| tblVehicleTrips | CC_TL | 7.30 | 3.11 |
| tblVehicleTrips | CNW_TL | 7.30 | 3.11 |
| tblVehicleTrips | CW_TL | 9.50 | 4.05 |
| tblVehicleTrips | ST_TR | 1.74 | 4.75 |
| tblVehicleTrips | SU_TR | 1.74 | 4.75 |
| tblVehicleTrips | WD_TR | 1.74 | 4.75 |

2.0 Emissions Summary

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, 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 | | | | | |
| 2024 | 3.3398 | 36.7632 | 29.2323 | 0.0832 | 9.9811 | 1.3730 | 11.3541 | 3.8617 | 1.2645 | 5.1263 | 0.0000 | 8,309.7567 | 8,309.7567 | 2.0193 | 0.3452 | 8,463.1109 |
| 2025 | 28.9502 | 32.2990 | 35.8368 | 0.1228 | 9.9811 | 1.1684 | 11.1496 | 3.8617 | 1.0763 | 4.9380 | 0.0000 | 12,661.9449 | 12,661.9449 | 2.0184 | 0.8285 | 12,929.4817 |
| 2026 | 28.8508 | 24.2871 | 34.9649 | 0.1205 | 7.4285 | 0.6647 | 8.0933 | 2.0060 | 0.6288 | 2.6348 | 0.0000 | 12,459.6752 | 12,459.6752 | 0.8159 | 0.8090 | 12,721.1478 |
| Maximum | 28.9502 | 36.7632 | 35.8368 | 0.1228 | 9.9811 | 1.3730 | 11.3541 | 3.8617 | 1.2645 | 5.1263 | 0.0000 | 12,661.9449 | 12,661.9449 | 2.0193 | 0.8285 | 12,929.4817 |

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 | | | | | |
| 2024 | 1.7806 | 33.7922 | 38.0191 | 0.0832 | 9.9811 | 1.2269 | 11.2080 | 3.8617 | 1.2146 | 5.0763 | 0.0000 | 8,309.7567 | 8,309.7567 | 2.0193 | 0.3452 | 8,463.1109 |
| 2025 | 28.8005 | 33.5357 | 37.9825 | 0.1228 | 9.9811 | 1.2021 | 11.1832 | 3.8617 | 1.1918 | 5.0535 | 0.0000 | 12,661.9449 | 12,661.9449 | 2.0184 | 0.8285 | 12,929.4817 |
| 2026 | 28.7011 | 23.9136 | 36.1335 | 0.1205 | 7.4285 | 0.6379 | 8.0664 | 2.0060 | 0.6113 | 2.6173 | 0.0000 | 12,459.6752 | 12,459.6752 | 0.8159 | 0.8090 | 12,721.1478 |
| Maximum | 28.8005 | 33.7922 | 38.0191 | 0.1228 | 9.9811 | 1.2269 | 11.2080 | 3.8617 | 1.2146 | 5.0763 | 0.0000 | 12,661.9449 | 12,661.9449 | 2.0193 | 0.8285 | 12,929.4817 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, 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 | 3.04 | 2.26 | -12.10 | 0.00 | 0.00 | 4.34 | 0.46 | 0.00 | -1.62 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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 | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Energy | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| Mobile | 6.8783 | 5.0200 | 44.6104 | 0.0858 | 9.4042 | 0.0643 | 9.4686 | 2.5048 | 0.0599 | 2.5647 | | 9,002.8013 | 9,002.8013 | 0.6495 | 0.4562 | 9,154.9914 |
| Offroad | 0.4409 | 21.0684 | 210.3056 | 0.0336 | | 0.4089 | 0.4089 | | 0.4089 | 0.4089 | 0.0000 | 4,252.6357 | 4,252.6357 | 1.3754 | | 4,287.0204 |
| Stationary | 9.9000e-003 | 0.0277 | 0.0252 | 5.0000e-005 | | 1.4600e-003 | 1.4600e-003 | | 1.4600e-003 | 1.4600e-003 | | 5.0623 | 5.0623 | 7.1000e-004 | | 5.0800 |
| Total | 26.0634 | 26.8164 | 255.7722 | 0.1237 | 9.4042 | 0.5286 | 9.9328 | 2.5048 | 0.5241 | 3.0289 | 0.0000 | 14,098.7107 | 14,098.7107 | 2.0430 | 0.4716 | 14,290.3154 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Summer

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Energy | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| Mobile | 6.8783 | 5.0200 | 44.6104 | 0.0858 | 9.4042 | 0.0643 | 9.4686 | 2.5048 | 0.0599 | 2.5647 | | 9,002.8013 | 9,002.8013 | 0.6495 | 0.4562 | 9,154.9914 |
| Offroad | 0.4409 | 21.0684 | 210.3056 | 0.0336 | | 0.4089 | 0.4089 | | 0.4089 | 0.4089 | 0.0000 | 4,252.6357 | 4,252.6357 | 1.3754 | | 4,287.0204 |
| Stationary | 9.9000e-003 | 0.0277 | 0.0252 | 5.0000e-005 | | 1.4600e-003 | 1.4600e-003 | | 1.4600e-003 | 1.4600e-003 | | 5.0623 | 5.0623 | 7.1000e-004 | | 5.0800 |
| Total | 26.0634 | 26.8164 | 255.7722 | 0.1237 | 9.4042 | 0.5286 | 9.9328 | 2.5048 | 0.5241 | 3.0289 | 0.0000 | 14,098.7107 | 14,098.7107 | 2.0430 | 0.4716 | 14,290.3154 |

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Grading | Grading | 9/2/2024 | 1/3/2025 | 5 | 90 | |
| 2 | Paving | Paving | 1/4/2025 | 3/28/2025 | 5 | 60 | |
| 3 | Building Construction | Building Construction | 3/29/2025 | 6/19/2026 | 5 | 320 | |

Operational Mitigation Modeling Results

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Summer

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

| | | | | | | |
|---|-----------------------|-----------------------|-----------|----------|---|-----|
| 4 | Architectural Coating | Architectural Coating | 4/12/2025 | 7/3/2026 | 5 | 320 |
|---|-----------------------|-----------------------|-----------|----------|---|-----|

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 270

Acres of Paving: 14.82

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,133,250; Non-Residential Outdoor: 377,750; Striped Parking Area: 39,528 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Grading | Excavators | 2 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| 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 |
|------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Grading | 8 | 20.00 | 0.00 | 3,000.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

Operational Mitigation Modeling Results

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Summer

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

| | | | | | | | | | | |
|-----------------------|---|--------|--------|------|-------|------|-------|--------|---------|------|
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 594.00 | 232.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 119.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Grading - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 9.2337 | 0.0000 | 9.2337 | 3.6583 | 0.0000 | 3.6583 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.2181 | 32.3770 | 27.7228 | 0.0621 | | 1.3354 | 1.3354 | | 1.2286 | 1.2286 | | 6,009.7487 | 6,009.7487 | 1.9437 | | 6,058.3405 |
| Total | 3.2181 | 32.3770 | 27.7228 | 0.0621 | 9.2337 | 1.3354 | 10.5691 | 3.6583 | 1.2286 | 4.8869 | | 6,009.7487 | 6,009.7487 | 1.9437 | | 6,058.3405 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Summer

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

3.2 Grading - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0711 | 4.3585 | 1.0638 | 0.0198 | 0.5831 | 0.0369 | 0.6199 | 0.1598 | 0.0353 | 0.1951 | | 2,157.8558 | 2,157.8558 | 0.0723 | 0.3420 | 2,261.5744 |
| 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 | 0.0505 | 0.0278 | 0.4456 | 1.3800e-003 | 0.1643 | 7.8000e-004 | 0.1651 | 0.0436 | 7.1000e-004 | 0.0443 | | 142.1522 | 142.1522 | 3.3200e-003 | 3.2200e-003 | 143.1960 |
| Total | 0.1216 | 4.3863 | 1.5094 | 0.0212 | 0.7474 | 0.0376 | 0.7850 | 0.2034 | 0.0360 | 0.2394 | | 2,300.0081 | 2,300.0081 | 0.0756 | 0.3452 | 2,404.7704 |

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 | | | | | 9.2337 | 0.0000 | 9.2337 | 3.6583 | 0.0000 | 3.6583 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6590 | 29.4059 | 36.5097 | 0.0621 | | 1.1893 | 1.1893 | | 1.1787 | 1.1787 | 0.0000 | 6,009.7487 | 6,009.7487 | 1.9437 | | 6,058.3405 |
| Total | 1.6590 | 29.4059 | 36.5097 | 0.0621 | 9.2337 | 1.1893 | 10.4230 | 3.6583 | 1.1787 | 4.8370 | 0.0000 | 6,009.7487 | 6,009.7487 | 1.9437 | | 6,058.3405 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Summer

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

3.2 Grading - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0711 | 4.3585 | 1.0638 | 0.0198 | 0.5831 | 0.0369 | 0.6199 | 0.1598 | 0.0353 | 0.1951 | | 2,157.8558 | 2,157.8558 | 0.0723 | 0.3420 | 2,261.5744 |
| 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 | 0.0505 | 0.0278 | 0.4456 | 1.3800e-003 | 0.1643 | 7.8000e-004 | 0.1651 | 0.0436 | 7.1000e-004 | 0.0443 | | 142.1522 | 142.1522 | 3.3200e-003 | 3.2200e-003 | 143.1960 |
| Total | 0.1216 | 4.3863 | 1.5094 | 0.0212 | 0.7474 | 0.0376 | 0.7850 | 0.2034 | 0.0360 | 0.2394 | | 2,300.0081 | 2,300.0081 | 0.0756 | 0.3452 | 2,404.7704 |

3.2 Grading - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 9.2337 | 0.0000 | 9.2337 | 3.6583 | 0.0000 | 3.6583 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.9012 | 27.9429 | 26.3311 | 0.0621 | | 1.1309 | 1.1309 | | 1.0404 | 1.0404 | | 6,008.2814 | 6,008.2814 | 1.9432 | | 6,056.8614 |
| Total | 2.9012 | 27.9429 | 26.3311 | 0.0621 | 9.2337 | 1.1309 | 10.3646 | 3.6583 | 1.0404 | 4.6987 | | 6,008.2814 | 6,008.2814 | 1.9432 | | 6,056.8614 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Summer

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

3.2 Grading - 2025

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 | 0.0706 | 4.3311 | 1.0671 | 0.0194 | 0.5831 | 0.0368 | 0.6199 | 0.1598 | 0.0352 | 0.1950 | | 2,116.8647 | 2,116.8647 | 0.0722 | 0.3356 | 2,218.6622 |
| 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 | 0.0475 | 0.0250 | 0.4176 | 1.3300e-003 | 0.1643 | 7.4000e-004 | 0.1650 | 0.0436 | 6.8000e-004 | 0.0443 | | 138.7377 | 138.7377 | 3.0100e-003 | 3.0200e-003 | 139.7137 |
| Total | 0.1181 | 4.3561 | 1.4847 | 0.0207 | 0.7474 | 0.0375 | 0.7849 | 0.2034 | 0.0359 | 0.2393 | | 2,255.6024 | 2,255.6024 | 0.0752 | 0.3386 | 2,358.3759 |

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 | | | | | 9.2337 | 0.0000 | 9.2337 | 3.6583 | 0.0000 | 3.6583 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6354 | 29.1796 | 36.4978 | 0.0621 | | 1.1646 | 1.1646 | | 1.1559 | 1.1559 | 0.0000 | 6,008.2814 | 6,008.2814 | 1.9432 | | 6,056.8614 |
| Total | 1.6354 | 29.1796 | 36.4978 | 0.0621 | 9.2337 | 1.1646 | 10.3983 | 3.6583 | 1.1559 | 4.8142 | 0.0000 | 6,008.2814 | 6,008.2814 | 1.9432 | | 6,056.8614 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Summer

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

3.2 Grading - 2025

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 | 0.0706 | 4.3311 | 1.0671 | 0.0194 | 0.5831 | 0.0368 | 0.6199 | 0.1598 | 0.0352 | 0.1950 | | 2,116.8647 | 2,116.8647 | 0.0722 | 0.3356 | 2,218.6622 |
| 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 | 0.0475 | 0.0250 | 0.4176 | 1.3300e-003 | 0.1643 | 7.4000e-004 | 0.1650 | 0.0436 | 6.8000e-004 | 0.0443 | | 138.7377 | 138.7377 | 3.0100e-003 | 3.0200e-003 | 139.7137 |
| Total | 0.1181 | 4.3561 | 1.4847 | 0.0207 | 0.7474 | 0.0375 | 0.7849 | 0.2034 | 0.0359 | 0.2393 | | 2,255.6024 | 2,255.6024 | 0.0752 | 0.3386 | 2,358.3759 |

3.3 Paving - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.9152 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |
| Paving | 0.6471 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.5623 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Summer

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

3.3 Paving - 2025

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 | 0.0356 | 0.0188 | 0.3132 | 1.0000e-003 | 0.1232 | 5.6000e-004 | 0.1238 | 0.0327 | 5.1000e-004 | 0.0332 | | 104.0533 | 104.0533 | 2.2600e-003 | 2.2700e-003 | 104.7853 |
| Total | 0.0356 | 0.0188 | 0.3132 | 1.0000e-003 | 0.1232 | 5.6000e-004 | 0.1238 | 0.0327 | 5.1000e-004 | 0.0332 | | 104.0533 | 104.0533 | 2.2600e-003 | 2.2700e-003 | 104.7853 |

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 | 0.7062 | 11.2431 | 17.0215 | 0.0228 | | 0.5486 | 0.5486 | | 0.5370 | 0.5370 | 0.0000 | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |
| Paving | 0.6471 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.3533 | 11.2431 | 17.0215 | 0.0228 | | 0.5486 | 0.5486 | | 0.5370 | 0.5370 | 0.0000 | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Summer

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

3.3 Paving - 2025

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 | 0.0356 | 0.0188 | 0.3132 | 1.0000e-003 | 0.1232 | 5.6000e-004 | 0.1238 | 0.0327 | 5.1000e-004 | 0.0332 | | 104.0533 | 104.0533 | 2.2600e-003 | 2.2700e-003 | 104.7853 |
| Total | 0.0356 | 0.0188 | 0.3132 | 1.0000e-003 | 0.1232 | 5.6000e-004 | 0.1238 | 0.0327 | 5.1000e-004 | 0.0332 | | 104.0533 | 104.0533 | 2.2600e-003 | 2.2700e-003 | 104.7853 |

3.4 Building Construction - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |
| Total | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Summer

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

3.4 Building Construction - 2025

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 | 0.2393 | 9.9181 | 3.0549 | 0.0454 | 1.5714 | 0.0607 | 1.6321 | 0.4524 | 0.0581 | 0.5105 | | 4,878.024 2 | 4,878.024 2 | 0.1021 | 0.7207 | 5,095.357 9 |
| Worker | 1.4098 | 0.7425 | 12.4033 | 0.0396 | 4.8796 | 0.0221 | 4.9016 | 1.2943 | 0.0203 | 1.3146 | | 4,120.509 1 | 4,120.509 1 | 0.0895 | 0.0898 | 4,149.497 3 |
| Total | 1.6491 | 10.6606 | 15.4581 | 0.0850 | 6.4509 | 0.0828 | 6.5337 | 1.7467 | 0.0784 | 1.8251 | | 8,998.533 3 | 8,998.533 3 | 0.1916 | 0.8105 | 9,244.855 2 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.2178 | 12.0962 | 17.2532 | 0.0270 | | 0.5007 | 0.5007 | | 0.4788 | 0.4788 | 0.0000 | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |
| Total | 1.2178 | 12.0962 | 17.2532 | 0.0270 | | 0.5007 | 0.5007 | | 0.4788 | 0.4788 | 0.0000 | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Summer

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

3.4 Building Construction - 2025

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 | 0.2393 | 9.9181 | 3.0549 | 0.0454 | 1.5714 | 0.0607 | 1.6321 | 0.4524 | 0.0581 | 0.5105 | | 4,878.024 2 | 4,878.024 2 | 0.1021 | 0.7207 | 5,095.357 9 |
| Worker | 1.4098 | 0.7425 | 12.4033 | 0.0396 | 4.8796 | 0.0221 | 4.9016 | 1.2943 | 0.0203 | 1.3146 | | 4,120.509 1 | 4,120.509 1 | 0.0895 | 0.0898 | 4,149.497 3 |
| Total | 1.6491 | 10.6606 | 15.4581 | 0.0850 | 6.4509 | 0.0828 | 6.5337 | 1.7467 | 0.0784 | 1.8251 | | 8,998.533 3 | 8,998.533 3 | 0.1916 | 0.8105 | 9,244.855 2 |

3.4 Building Construction - 2026

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |
| Total | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Summer

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

3.4 Building Construction - 2026

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 | 0.2341 | 9.8602 | 3.0109 | 0.0446 | 1.5714 | 0.0604 | 1.6318 | 0.4524 | 0.0578 | 0.5102 | | 4,788.614 3 | 4,788.614 3 | 0.1016 | 0.7071 | 5,001.875 9 |
| Worker | 1.3313 | 0.6762 | 11.7136 | 0.0383 | 4.8796 | 0.0210 | 4.9006 | 1.2943 | 0.0194 | 1.3136 | | 4,026.485 6 | 4,026.485 6 | 0.0817 | 0.0849 | 4,053.814 2 |
| Total | 1.5654 | 10.5364 | 14.7245 | 0.0829 | 6.4510 | 0.0814 | 6.5324 | 1.7467 | 0.0771 | 1.8238 | | 8,815.099 9 | 8,815.099 9 | 0.1833 | 0.7920 | 9,055.690 1 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.2178 | 12.0962 | 17.2532 | 0.0270 | | 0.5007 | 0.5007 | | 0.4788 | 0.4788 | 0.0000 | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |
| Total | 1.2178 | 12.0962 | 17.2532 | 0.0270 | | 0.5007 | 0.5007 | | 0.4788 | 0.4788 | 0.0000 | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Summer

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

3.4 Building Construction - 2026

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 | 0.2341 | 9.8602 | 3.0109 | 0.0446 | 1.5714 | 0.0604 | 1.6318 | 0.4524 | 0.0578 | 0.5102 | | 4,788.614 3 | 4,788.614 3 | 0.1016 | 0.7071 | 5,001.875 9 |
| Worker | 1.3313 | 0.6762 | 11.7136 | 0.0383 | 4.8796 | 0.0210 | 4.9006 | 1.2943 | 0.0194 | 1.3136 | | 4,026.485 6 | 4,026.485 6 | 0.0817 | 0.0849 | 4,053.814 2 |
| Total | 1.5654 | 10.5364 | 14.7245 | 0.0829 | 6.4510 | 0.0814 | 6.5324 | 1.7467 | 0.0771 | 1.8238 | | 8,815.099 9 | 8,815.099 9 | 0.1833 | 0.7920 | 9,055.690 1 |

3.5 Architectural Coating - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 25.4804 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |
| Total | 25.6513 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Summer

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

3.5 Architectural Coating - 2025

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 | 0.2824 | 0.1488 | 2.4848 | 7.9200e-003 | 0.9776 | 4.4200e-003 | 0.9820 | 0.2593 | 4.0700e-003 | 0.2634 | | 825.4892 | 825.4892 | 0.0179 | 0.0180 | 831.2966 |
| Total | 0.2824 | 0.1488 | 2.4848 | 7.9200e-003 | 0.9776 | 4.4200e-003 | 0.9820 | 0.2593 | 4.0700e-003 | 0.2634 | | 825.4892 | 825.4892 | 0.0179 | 0.0180 | 831.2966 |

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 | 25.4804 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |
| Total | 25.6513 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Summer

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

3.5 Architectural Coating - 2025

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 | 0.2824 | 0.1488 | 2.4848 | 7.9200e-003 | 0.9776 | 4.4200e-003 | 0.9820 | 0.2593 | 4.0700e-003 | 0.2634 | | 825.4892 | 825.4892 | 0.0179 | 0.0180 | 831.2966 |
| Total | 0.2824 | 0.1488 | 2.4848 | 7.9200e-003 | 0.9776 | 4.4200e-003 | 0.9820 | 0.2593 | 4.0700e-003 | 0.2634 | | 825.4892 | 825.4892 | 0.0179 | 0.0180 | 831.2966 |

3.5 Architectural Coating - 2026

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 | 25.4804 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |
| Total | 25.6513 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Summer

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

3.5 Architectural Coating - 2026

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 | 0.2667 | 0.1355 | 2.3467 | 7.6800e-003 | 0.9776 | 4.2100e-003 | 0.9818 | 0.2593 | 3.8800e-003 | 0.2632 | | 806.6528 | 806.6528 | 0.0164 | 0.0170 | 812.1278 |
| Total | 0.2667 | 0.1355 | 2.3467 | 7.6800e-003 | 0.9776 | 4.2100e-003 | 0.9818 | 0.2593 | 3.8800e-003 | 0.2632 | | 806.6528 | 806.6528 | 0.0164 | 0.0170 | 812.1278 |

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 | 25.4804 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |
| Total | 25.6513 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Summer

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

3.5 Architectural Coating - 2026

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 | 0.2667 | 0.1355 | 2.3467 | 7.6800e-003 | 0.9776 | 4.2100e-003 | 0.9818 | 0.2593 | 3.8800e-003 | 0.2632 | | 806.6528 | 806.6528 | 0.0164 | 0.0170 | 812.1278 |
| Total | 0.2667 | 0.1355 | 2.3467 | 7.6800e-003 | 0.9776 | 4.2100e-003 | 0.9818 | 0.2593 | 3.8800e-003 | 0.2632 | | 806.6528 | 806.6528 | 0.0164 | 0.0170 | 812.1278 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, 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 | 6.8783 | 5.0200 | 44.6104 | 0.0858 | 9.4042 | 0.0643 | 9.4686 | 2.5048 | 0.0599 | 2.5647 | | 9,002.8013 | 9,002.8013 | 0.6495 | 0.4562 | 9,154.9914 |
| Unmitigated | 6.8783 | 5.0200 | 44.6104 | 0.0858 | 9.4042 | 0.0643 | 9.4686 | 2.5048 | 0.0599 | 2.5647 | | 9,002.8013 | 9,002.8013 | 0.6495 | 0.4562 | 9,154.9914 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|-----------------|-----------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 3,588.63 | 3,588.63 | 3,588.63 | 4,467,720 | 4,467,720 |
| Total | 3,588.63 | 3,588.63 | 3,588.63 | 4,467,720 | 4,467,720 |

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 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No Rail | 4.05 | 3.11 | 3.11 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Parking Lot | 0.554285 | 0.058871 | 0.188253 | 0.120585 | 0.022598 | 0.005697 | 0.010798 | 0.007525 | 0.000977 | 0.000545 | 0.026246 | 0.000848 | 0.002771 |
| Unrefrigerated Warehouse-No Rail | 0.554285 | 0.058871 | 0.188253 | 0.120585 | 0.022598 | 0.005697 | 0.010798 | 0.007525 | 0.000977 | 0.000545 | 0.026246 | 0.000848 | 0.002771 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Summer

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| NaturalGas Unmitigated | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, 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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 7120.33 | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| Total | | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |

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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 7.12033 | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| Total | | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |

6.0 Area Detail

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Summer

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

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|-------------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Unmitigated | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|----------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 2.2339 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 16.4011 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0225 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Total | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, 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 | 2.2339 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 16.4011 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0225 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Total | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|------------|
| Forklifts | 8 | 8.00 | 260 | 89 | 0.20 | Electrical |
| Forklifts | 22 | 8.00 | 260 | 89 | 0.20 | CNG |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Summer

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

UnMitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|----------------|-----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | |
| Forklifts | 0.4409 | 21.0684 | 210.3056 | 0.0336 | | 0.4089 | 0.4089 | | 0.4089 | 0.4089 | 0.0000 | 4,252.6357 | 4,252.6357 | 1.3754 | | 4,287.0204 |
| Total | 0.4409 | 21.0684 | 210.3056 | 0.0336 | | 0.4089 | 0.4089 | | 0.4089 | 0.4089 | 0.0000 | 4,252.6357 | 4,252.6357 | 1.3754 | | 4,287.0204 |

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---------------------|--------|-----------|------------|-------------|-------------|-----------|
| Emergency Generator | 3 | 0.01 | 3 | 201 | 0.73 | Diesel |

Boilers

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

User Defined Equipment

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

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Summer

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

10.1 Stationary Sources

Unmitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|---|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|------|---------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | | |
| Emergency Generator - Diesel (175 - 300 HP) | 9.9000e-003 | 0.0277 | 0.0252 | 5.0000e-005 | | 1.4600e-003 | 1.4600e-003 | | 1.4600e-003 | 1.4600e-003 | | 5.0623 | 5.0623 | 7.1000e-004 | | | 5.0800 |
| Total | 9.9000e-003 | 0.0277 | 0.0252 | 5.0000e-005 | | 1.4600e-003 | 1.4600e-003 | | 1.4600e-003 | 1.4600e-003 | | 5.0623 | 5.0623 | 7.1000e-004 | | | 5.0800 |

11.0 Vegetation

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Winter

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

SMPs Project (SMP 39) - Mitigated

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|----------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 755.50 | 1000sqft | 44.28 | 755,500.00 | 0 |
| Parking Lot | 1,647.00 | Space | 14.82 | 658,800.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 64 |
| Climate Zone | 4 | | | Operational Year | 2026 |
| Utility Company | Pacific Gas and Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 203.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to represent total acreage of project site.

Construction Phase - Construction phase timing adjusted based on project-specific information provided by the project applicant.

Grading - Based on applicant provided information.

Vehicle Trips - Based on project-specific TIS prepared by TJKM.

Construction Off-road Equipment Mitigation - Based on AQ Questionnaire.

Mobile Land Use Mitigation -

Water Mitigation - Compliant with MWELO.

Operational Off-Road Equipment - Fuel type electric for 25% of forklifts, as required by Mitigation Measure 4.2-2 of EIR.

Stationary Sources - Emergency Generators and Fire Pumps -

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Winter

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

| Table Name | Column Name | Default Value | New Value |
|---------------------------------|----------------------------|---------------|------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstructionPhase | NumDays | 75.00 | 320.00 |
| tblConstructionPhase | NumDays | 1,110.00 | 320.00 |
| tblConstructionPhase | NumDays | 110.00 | 90.00 |
| tblConstructionPhase | NumDays | 75.00 | 60.00 |
| tblGrading | MaterialImported | 0.00 | 24,000.00 |
| tblLandUse | LotAcreage | 17.34 | 44.28 |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | Electrical |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | CNG |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 8.00 |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 22.00 |
| tblStationaryGeneratorsPumpsUse | HorsePowerValue | 0.00 | 201.00 |
| tblStationaryGeneratorsPumpsUse | HoursPerDay | 0.00 | 0.01 |
| tblStationaryGeneratorsPumpsUse | HoursPerYear | 0.00 | 3.00 |
| tblStationaryGeneratorsPumpsUse | NumberOfEquipment | 0.00 | 3.00 |

Operational Mitigation Modeling Results

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Winter

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

| | | | |
|-----------------|--------|------|------|
| tblVehicleTrips | CC_TL | 7.30 | 3.11 |
| tblVehicleTrips | CNW_TL | 7.30 | 3.11 |
| tblVehicleTrips | CW_TL | 9.50 | 4.05 |
| tblVehicleTrips | ST_TR | 1.74 | 4.75 |
| tblVehicleTrips | SU_TR | 1.74 | 4.75 |
| tblVehicleTrips | WD_TR | 1.74 | 4.75 |

2.0 Emissions Summary

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, 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 | | | | | |
| 2024 | 3.3369 | 37.0212 | 29.2285 | 0.0832 | 9.9811 | 1.3731 | 11.3542 | 3.8617 | 1.2646 | 5.1263 | 0.0000 | 8,301.763 3 | 8,301.763 3 | 2.0195 | 0.3460 | 8,455.370 5 |
| 2025 | 28.9972 | 32.5550 | 35.4049 | 0.1196 | 9.9811 | 1.1685 | 11.1496 | 3.8617 | 1.0764 | 4.9381 | 0.0000 | 12,320.02 54 | 12,320.02 54 | 2.0186 | 0.8464 | 12,593.28 11 |
| 2026 | 28.9006 | 25.0501 | 34.5906 | 0.1174 | 7.4285 | 0.6649 | 8.0935 | 2.0060 | 0.6290 | 2.6350 | 0.0000 | 12,126.16 51 | 12,126.16 51 | 0.8297 | 0.8260 | 12,393.04 04 |
| Maximum | 28.9972 | 37.0212 | 35.4049 | 0.1196 | 9.9811 | 1.3731 | 11.3542 | 3.8617 | 1.2646 | 5.1263 | 0.0000 | 12,320.02 54 | 12,320.02 54 | 2.0195 | 0.8464 | 12,593.28 11 |

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 | | | | | |
| 2024 | 1.7778 | 34.0502 | 38.0154 | 0.0832 | 9.9811 | 1.2270 | 11.2081 | 3.8617 | 1.2147 | 5.0764 | 0.0000 | 8,301.763 3 | 8,301.763 3 | 2.0195 | 0.3460 | 8,455.370 5 |
| 2025 | 28.8476 | 33.7917 | 37.9809 | 0.1196 | 9.9811 | 1.2021 | 11.1833 | 3.8617 | 1.1918 | 5.0536 | 0.0000 | 12,320.02 54 | 12,320.02 54 | 2.0186 | 0.8464 | 12,593.28 11 |
| 2026 | 28.7509 | 24.6766 | 35.7591 | 0.1174 | 7.4285 | 0.6381 | 8.0666 | 2.0060 | 0.6115 | 2.6175 | 0.0000 | 12,126.16 51 | 12,126.16 51 | 0.8297 | 0.8260 | 12,393.04 04 |
| Maximum | 28.8476 | 34.0502 | 38.0154 | 0.1196 | 9.9811 | 1.2270 | 11.2081 | 3.8617 | 1.2147 | 5.0764 | 0.0000 | 12,320.02 54 | 12,320.02 54 | 2.0195 | 0.8464 | 12,593.28 11 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, 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 |
|-------------------|------|------|--------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 3.03 | 2.23 | -12.63 | 0.00 | 0.00 | 4.34 | 0.46 | 0.00 | -1.62 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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 | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Energy | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| Mobile | 5.9095 | 5.7782 | 50.7080 | 0.0812 | 9.4042 | 0.0644 | 9.4686 | 2.5048 | 0.0599 | 2.5647 | | 8,523.7137 | 8,523.7137 | 0.7646 | 0.5033 | 8,692.8165 |
| Offroad | 0.4409 | 21.0684 | 210.3056 | 0.0336 | | 0.4089 | 0.4089 | | 0.4089 | 0.4089 | 0.0000 | 4,252.6357 | 4,252.6357 | 1.3754 | | 4,287.0204 |
| Stationary | 9.9000e-003 | 0.0277 | 0.0252 | 5.0000e-005 | | 1.4600e-003 | 1.4600e-003 | | 1.4600e-003 | 1.4600e-003 | | 5.0623 | 5.0623 | 7.1000e-004 | | 5.0800 |
| Total | 25.0946 | 27.5746 | 261.8698 | 0.1191 | 9.4042 | 0.5286 | 9.9329 | 2.5048 | 0.5242 | 3.0290 | 0.0000 | 13,619.6232 | 13,619.6232 | 2.1582 | 0.5187 | 13,828.1406 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Winter

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Energy | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| Mobile | 5.9095 | 5.7782 | 50.7080 | 0.0812 | 9.4042 | 0.0644 | 9.4686 | 2.5048 | 0.0599 | 2.5647 | | 8,523.7137 | 8,523.7137 | 0.7646 | 0.5033 | 8,692.8165 |
| Offroad | 0.4409 | 21.0684 | 210.3056 | 0.0336 | | 0.4089 | 0.4089 | | 0.4089 | 0.4089 | 0.0000 | 4,252.6357 | 4,252.6357 | 1.3754 | | 4,287.0204 |
| Stationary | 9.9000e-003 | 0.0277 | 0.0252 | 5.0000e-005 | | 1.4600e-003 | 1.4600e-003 | | 1.4600e-003 | 1.4600e-003 | | 5.0623 | 5.0623 | 7.1000e-004 | | 5.0800 |
| Total | 25.0946 | 27.5746 | 261.8698 | 0.1191 | 9.4042 | 0.5286 | 9.9329 | 2.5048 | 0.5242 | 3.0290 | 0.0000 | 13,619.6232 | 13,619.6232 | 2.1582 | 0.5187 | 13,828.1406 |

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Grading | Grading | 9/2/2024 | 1/3/2025 | 5 | 90 | |
| 2 | Paving | Paving | 1/4/2025 | 3/28/2025 | 5 | 60 | |
| 3 | Building Construction | Building Construction | 3/29/2025 | 6/19/2026 | 5 | 320 | |

Operational Mitigation Modeling Results

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Winter

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

| | | | | | | |
|---|-----------------------|-----------------------|-----------|----------|---|-----|
| 4 | Architectural Coating | Architectural Coating | 4/12/2025 | 7/3/2026 | 5 | 320 |
|---|-----------------------|-----------------------|-----------|----------|---|-----|

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 270

Acres of Paving: 14.82

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,133,250; Non-Residential Outdoor: 377,750; Striped Parking Area: 39,528 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Grading | Excavators | 2 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| 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 |
|------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Grading | 8 | 20.00 | 0.00 | 3,000.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

Operational Mitigation Modeling Results

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Winter

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

| | | | | | | | | | | |
|-----------------------|---|--------|--------|------|-------|------|-------|--------|---------|------|
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 594.00 | 232.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 119.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Grading - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 9.2337 | 0.0000 | 9.2337 | 3.6583 | 0.0000 | 3.6583 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.2181 | 32.3770 | 27.7228 | 0.0621 | | 1.3354 | 1.3354 | | 1.2286 | 1.2286 | | 6,009.7487 | 6,009.7487 | 1.9437 | | 6,058.3405 |
| Total | 3.2181 | 32.3770 | 27.7228 | 0.0621 | 9.2337 | 1.3354 | 10.5691 | 3.6583 | 1.2286 | 4.8869 | | 6,009.7487 | 6,009.7487 | 1.9437 | | 6,058.3405 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Winter

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

3.2 Grading - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0667 | 4.6100 | 1.0774 | 0.0198 | 0.5831 | 0.0369 | 0.6200 | 0.1598 | 0.0353 | 0.1951 | | 2,159.917 2 | 2,159.917 2 | 0.0720 | 0.3423 | 2,263.732 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 | 0.0520 | 0.0342 | 0.4283 | 1.2800e-003 | 0.1643 | 7.8000e-004 | 0.1651 | 0.0436 | 7.1000e-004 | 0.0443 | | 132.0975 | 132.0975 | 3.7900e-003 | 3.7100e-003 | 133.2975 |
| Total | 0.1188 | 4.6443 | 1.5057 | 0.0211 | 0.7474 | 0.0377 | 0.7850 | 0.2034 | 0.0360 | 0.2394 | | 2,292.014 6 | 2,292.014 6 | 0.0758 | 0.3460 | 2,397.029 9 |

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 | | | | | 9.2337 | 0.0000 | 9.2337 | 3.6583 | 0.0000 | 3.6583 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6590 | 29.4059 | 36.5097 | 0.0621 | | 1.1893 | 1.1893 | | 1.1787 | 1.1787 | 0.0000 | 6,009.748 7 | 6,009.748 7 | 1.9437 | | 6,058.340 5 |
| Total | 1.6590 | 29.4059 | 36.5097 | 0.0621 | 9.2337 | 1.1893 | 10.4230 | 3.6583 | 1.1787 | 4.8370 | 0.0000 | 6,009.748 7 | 6,009.748 7 | 1.9437 | | 6,058.340 5 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Winter

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

3.2 Grading - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0667 | 4.6100 | 1.0774 | 0.0198 | 0.5831 | 0.0369 | 0.6200 | 0.1598 | 0.0353 | 0.1951 | | 2,159.917 2 | 2,159.917 2 | 0.0720 | 0.3423 | 2,263.732 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 | 0.0520 | 0.0342 | 0.4283 | 1.2800e-003 | 0.1643 | 7.8000e-004 | 0.1651 | 0.0436 | 7.1000e-004 | 0.0443 | | 132.0975 | 132.0975 | 3.7900e-003 | 3.7100e-003 | 133.2975 |
| Total | 0.1188 | 4.6443 | 1.5057 | 0.0211 | 0.7474 | 0.0377 | 0.7850 | 0.2034 | 0.0360 | 0.2394 | | 2,292.014 6 | 2,292.014 6 | 0.0758 | 0.3460 | 2,397.029 9 |

3.2 Grading - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 9.2337 | 0.0000 | 9.2337 | 3.6583 | 0.0000 | 3.6583 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.9012 | 27.9429 | 26.3311 | 0.0621 | | 1.1309 | 1.1309 | | 1.0404 | 1.0404 | | 6,008.281 4 | 6,008.281 4 | 1.9432 | | 6,056.861 4 |
| Total | 2.9012 | 27.9429 | 26.3311 | 0.0621 | 9.2337 | 1.1309 | 10.3646 | 3.6583 | 1.0404 | 4.6987 | | 6,008.281 4 | 6,008.281 4 | 1.9432 | | 6,056.861 4 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Winter

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

3.2 Grading - 2025

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 | 0.0663 | 4.5813 | 1.0806 | 0.0194 | 0.5831 | 0.0368 | 0.6199 | 0.1598 | 0.0353 | 0.1951 | | 2,118.913 3 | 2,118.913 3 | 0.0720 | 0.3359 | 2,220.806 8 |
| 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 | 0.0490 | 0.0308 | 0.4025 | 1.2400e-003 | 0.1643 | 7.4000e-004 | 0.1650 | 0.0436 | 6.8000e-004 | 0.0443 | | 128.9424 | 128.9424 | 3.4500e-003 | 3.4800e-003 | 130.0645 |
| Total | 0.1153 | 4.6121 | 1.4831 | 0.0207 | 0.7474 | 0.0376 | 0.7850 | 0.2034 | 0.0359 | 0.2393 | | 2,247.855 8 | 2,247.855 8 | 0.0754 | 0.3394 | 2,350.871 3 |

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 | | | | | 9.2337 | 0.0000 | 9.2337 | 3.6583 | 0.0000 | 3.6583 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6354 | 29.1796 | 36.4978 | 0.0621 | | 1.1646 | 1.1646 | | 1.1559 | 1.1559 | 0.0000 | 6,008.281 4 | 6,008.281 4 | 1.9432 | | 6,056.861 4 |
| Total | 1.6354 | 29.1796 | 36.4978 | 0.0621 | 9.2337 | 1.1646 | 10.3983 | 3.6583 | 1.1559 | 4.8142 | 0.0000 | 6,008.281 4 | 6,008.281 4 | 1.9432 | | 6,056.861 4 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Winter

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

3.2 Grading - 2025

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 | 0.0663 | 4.5813 | 1.0806 | 0.0194 | 0.5831 | 0.0368 | 0.6199 | 0.1598 | 0.0353 | 0.1951 | | 2,118.913 3 | 2,118.913 3 | 0.0720 | 0.3359 | 2,220.806 8 |
| 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 | 0.0490 | 0.0308 | 0.4025 | 1.2400e-003 | 0.1643 | 7.4000e-004 | 0.1650 | 0.0436 | 6.8000e-004 | 0.0443 | | 128.9424 | 128.9424 | 3.4500e-003 | 3.4800e-003 | 130.0645 |
| Total | 0.1153 | 4.6121 | 1.4831 | 0.0207 | 0.7474 | 0.0376 | 0.7850 | 0.2034 | 0.0359 | 0.2393 | | 2,247.855 8 | 2,247.855 8 | 0.0754 | 0.3394 | 2,350.871 3 |

3.3 Paving - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.9152 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | | 2,206.745 2 | 2,206.745 2 | 0.7137 | | 2,224.587 8 |
| Paving | 0.6471 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.5623 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | | 2,206.745 2 | 2,206.745 2 | 0.7137 | | 2,224.587 8 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Winter

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

3.3 Paving - 2025

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 | 0.0368 | 0.0231 | 0.3019 | 9.3000e-004 | 0.1232 | 5.6000e-004 | 0.1238 | 0.0327 | 5.1000e-004 | 0.0332 | | 96.7068 | 96.7068 | 2.5900e-003 | 2.6100e-003 | 97.5484 |
| Total | 0.0368 | 0.0231 | 0.3019 | 9.3000e-004 | 0.1232 | 5.6000e-004 | 0.1238 | 0.0327 | 5.1000e-004 | 0.0332 | | 96.7068 | 96.7068 | 2.5900e-003 | 2.6100e-003 | 97.5484 |

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 | 0.7062 | 11.2431 | 17.0215 | 0.0228 | | 0.5486 | 0.5486 | | 0.5370 | 0.5370 | 0.0000 | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |
| Paving | 0.6471 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.3533 | 11.2431 | 17.0215 | 0.0228 | | 0.5486 | 0.5486 | | 0.5370 | 0.5370 | 0.0000 | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Winter

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

3.3 Paving - 2025

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 | 0.0368 | 0.0231 | 0.3019 | 9.3000e-004 | 0.1232 | 5.6000e-004 | 0.1238 | 0.0327 | 5.1000e-004 | 0.0332 | | 96.7068 | 96.7068 | 2.5900e-003 | 2.6100e-003 | 97.5484 |
| Total | 0.0368 | 0.0231 | 0.3019 | 9.3000e-004 | 0.1232 | 5.6000e-004 | 0.1238 | 0.0327 | 5.1000e-004 | 0.0332 | | 96.7068 | 96.7068 | 2.5900e-003 | 2.6100e-003 | 97.5484 |

3.4 Building Construction - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |
| Total | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Winter

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

3.4 Building Construction - 2025

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 | 0.2301 | 10.4950 | 3.1618 | 0.0455 | 1.5714 | 0.0610 | 1.6323 | 0.4524 | 0.0583 | 0.5107 | | 4,885.305 1 | 4,885.305 1 | 0.1015 | 0.7225 | 5,103.152 2 |
| Worker | 1.4566 | 0.9157 | 11.9544 | 0.0368 | 4.8796 | 0.0221 | 4.9016 | 1.2943 | 0.0203 | 1.3146 | | 3,829.590 4 | 3,829.590 4 | 0.1024 | 0.1032 | 3,862.915 3 |
| Total | 1.6867 | 11.4107 | 15.1162 | 0.0823 | 6.4509 | 0.0830 | 6.5339 | 1.7467 | 0.0786 | 1.8253 | | 8,714.895 5 | 8,714.895 5 | 0.2039 | 0.8258 | 8,966.067 5 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.2178 | 12.0962 | 17.2532 | 0.0270 | | 0.5007 | 0.5007 | | 0.4788 | 0.4788 | 0.0000 | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |
| Total | 1.2178 | 12.0962 | 17.2532 | 0.0270 | | 0.5007 | 0.5007 | | 0.4788 | 0.4788 | 0.0000 | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Winter

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

3.4 Building Construction - 2025

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 | 0.2301 | 10.4950 | 3.1618 | 0.0455 | 1.5714 | 0.0610 | 1.6323 | 0.4524 | 0.0583 | 0.5107 | | 4,885.305 1 | 4,885.305 1 | 0.1015 | 0.7225 | 5,103.152 2 |
| Worker | 1.4566 | 0.9157 | 11.9544 | 0.0368 | 4.8796 | 0.0221 | 4.9016 | 1.2943 | 0.0203 | 1.3146 | | 3,829.590 4 | 3,829.590 4 | 0.1024 | 0.1032 | 3,862.915 3 |
| Total | 1.6867 | 11.4107 | 15.1162 | 0.0823 | 6.4509 | 0.0830 | 6.5339 | 1.7467 | 0.0786 | 1.8253 | | 8,714.895 5 | 8,714.895 5 | 0.2039 | 0.8258 | 8,966.067 5 |

3.4 Building Construction - 2026

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |
| Total | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.474 4 | 2,556.474 4 | 0.6010 | | 2,571.498 1 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Winter

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

3.4 Building Construction - 2026

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 | 0.2247 | 10.4342 | 3.1169 | 0.0447 | 1.5714 | 0.0606 | 1.6320 | 0.4524 | 0.0580 | 0.5104 | | 4,795.8828 | 4,795.8828 | 0.1010 | 0.7089 | 5,009.6442 |
| Worker | 1.3806 | 0.8338 | 11.3134 | 0.0356 | 4.8796 | 0.0210 | 4.9006 | 1.2943 | 0.0194 | 1.3136 | | 3,742.5832 | 3,742.5832 | 0.0936 | 0.0976 | 3,773.9963 |
| Total | 1.6053 | 11.2679 | 14.4303 | 0.0803 | 6.4510 | 0.0816 | 6.5326 | 1.7467 | 0.0773 | 1.8240 | | 8,538.4659 | 8,538.4659 | 0.1946 | 0.8064 | 8,783.6405 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.2178 | 12.0962 | 17.2532 | 0.0270 | | 0.5007 | 0.5007 | | 0.4788 | 0.4788 | 0.0000 | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |
| Total | 1.2178 | 12.0962 | 17.2532 | 0.0270 | | 0.5007 | 0.5007 | | 0.4788 | 0.4788 | 0.0000 | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Winter

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

3.4 Building Construction - 2026

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 | 0.2247 | 10.4342 | 3.1169 | 0.0447 | 1.5714 | 0.0606 | 1.6320 | 0.4524 | 0.0580 | 0.5104 | | 4,795.8828 | 4,795.8828 | 0.1010 | 0.7089 | 5,009.6442 |
| Worker | 1.3806 | 0.8338 | 11.3134 | 0.0356 | 4.8796 | 0.0210 | 4.9006 | 1.2943 | 0.0194 | 1.3136 | | 3,742.5832 | 3,742.5832 | 0.0936 | 0.0976 | 3,773.9963 |
| Total | 1.6053 | 11.2679 | 14.4303 | 0.0803 | 6.4510 | 0.0816 | 6.5326 | 1.7467 | 0.0773 | 1.8240 | | 8,538.4659 | 8,538.4659 | 0.1946 | 0.8064 | 8,783.6405 |

3.5 Architectural Coating - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 25.4804 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |
| Total | 25.6513 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Winter

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

3.5 Architectural Coating - 2025

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 | 0.2918 | 0.1835 | 2.3949 | 7.3600e-003 | 0.9776 | 4.4200e-003 | 0.9820 | 0.2593 | 4.0700e-003 | 0.2634 | | 767.2075 | 767.2075 | 0.0205 | 0.0207 | 773.8837 |
| Total | 0.2918 | 0.1835 | 2.3949 | 7.3600e-003 | 0.9776 | 4.4200e-003 | 0.9820 | 0.2593 | 4.0700e-003 | 0.2634 | | 767.2075 | 767.2075 | 0.0205 | 0.0207 | 773.8837 |

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 | 25.4804 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |
| Total | 25.6513 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Winter

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

3.5 Architectural Coating - 2025

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 | 0.2918 | 0.1835 | 2.3949 | 7.3600e-003 | 0.9776 | 4.4200e-003 | 0.9820 | 0.2593 | 4.0700e-003 | 0.2634 | | 767.2075 | 767.2075 | 0.0205 | 0.0207 | 773.8837 |
| Total | 0.2918 | 0.1835 | 2.3949 | 7.3600e-003 | 0.9776 | 4.4200e-003 | 0.9820 | 0.2593 | 4.0700e-003 | 0.2634 | | 767.2075 | 767.2075 | 0.0205 | 0.0207 | 773.8837 |

3.5 Architectural Coating - 2026

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 | 25.4804 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |
| Total | 25.6513 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Winter

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

3.5 Architectural Coating - 2026

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 | 0.2766 | 0.1670 | 2.2665 | 7.1400e-003 | 0.9776 | 4.2100e-003 | 0.9818 | 0.2593 | 3.8800e-003 | 0.2632 | | 749.7768 | 749.7768 | 0.0188 | 0.0195 | 756.0700 |
| Total | 0.2766 | 0.1670 | 2.2665 | 7.1400e-003 | 0.9776 | 4.2100e-003 | 0.9818 | 0.2593 | 3.8800e-003 | 0.2632 | | 749.7768 | 749.7768 | 0.0188 | 0.0195 | 756.0700 |

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 | 25.4804 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |
| Total | 25.6513 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Winter

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

3.5 Architectural Coating - 2026

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 | 0.2766 | 0.1670 | 2.2665 | 7.1400e-003 | 0.9776 | 4.2100e-003 | 0.9818 | 0.2593 | 3.8800e-003 | 0.2632 | | 749.7768 | 749.7768 | 0.0188 | 0.0195 | 756.0700 |
| Total | 0.2766 | 0.1670 | 2.2665 | 7.1400e-003 | 0.9776 | 4.2100e-003 | 0.9818 | 0.2593 | 3.8800e-003 | 0.2632 | | 749.7768 | 749.7768 | 0.0188 | 0.0195 | 756.0700 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, 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 | 5.9095 | 5.7782 | 50.7080 | 0.0812 | 9.4042 | 0.0644 | 9.4686 | 2.5048 | 0.0599 | 2.5647 | | 8,523.7137 | 8,523.7137 | 0.7646 | 0.5033 | 8,692.8165 |
| Unmitigated | 5.9095 | 5.7782 | 50.7080 | 0.0812 | 9.4042 | 0.0644 | 9.4686 | 2.5048 | 0.0599 | 2.5647 | | 8,523.7137 | 8,523.7137 | 0.7646 | 0.5033 | 8,692.8165 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|-----------------|-----------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 3,588.63 | 3,588.63 | 3,588.63 | 4,467,720 | 4,467,720 |
| Total | 3,588.63 | 3,588.63 | 3,588.63 | 4,467,720 | 4,467,720 |

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 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No Rail | 4.05 | 3.11 | 3.11 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Parking Lot | 0.554285 | 0.058871 | 0.188253 | 0.120585 | 0.022598 | 0.005697 | 0.010798 | 0.007525 | 0.000977 | 0.000545 | 0.026246 | 0.000848 | 0.002771 |
| Unrefrigerated Warehouse-No Rail | 0.554285 | 0.058871 | 0.188253 | 0.120585 | 0.022598 | 0.005697 | 0.010798 | 0.007525 | 0.000977 | 0.000545 | 0.026246 | 0.000848 | 0.002771 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Winter

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| NaturalGas Unmitigated | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, 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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 7120.33 | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| Total | | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |

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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 7.12033 | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |
| Total | | 0.0768 | 0.6981 | 0.5864 | 4.1900e-003 | | 0.0531 | 0.0531 | | 0.0531 | 0.0531 | | 837.6857 | 837.6857 | 0.0161 | 0.0154 | 842.6637 |

6.0 Area Detail

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Winter

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

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|-------------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Unmitigated | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|----------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 2.2339 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 16.4011 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0225 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Total | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, 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 | 2.2339 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 16.4011 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0225 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |
| Total | 18.6575 | 2.2200e-003 | 0.2447 | 2.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.7000e-004 | 8.7000e-004 | | 0.5258 | 0.5258 | 1.3700e-003 | | 0.5600 |

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|------------|
| Forklifts | 8 | 8.00 | 260 | 89 | 0.20 | Electrical |
| Forklifts | 22 | 8.00 | 260 | 89 | 0.20 | CNG |

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Winter

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

UnMitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|----------------|-----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | |
| Forklifts | 0.4409 | 21.0684 | 210.3056 | 0.0336 | | 0.4089 | 0.4089 | | 0.4089 | 0.4089 | 0.0000 | 4,252.6357 | 4,252.6357 | 1.3754 | | 4,287.0204 |
| Total | 0.4409 | 21.0684 | 210.3056 | 0.0336 | | 0.4089 | 0.4089 | | 0.4089 | 0.4089 | 0.0000 | 4,252.6357 | 4,252.6357 | 1.3754 | | 4,287.0204 |

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---------------------|--------|-----------|------------|-------------|-------------|-----------|
| Emergency Generator | 3 | 0.01 | 3 | 201 | 0.73 | Diesel |

Boilers

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

User Defined Equipment

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

SMPs Project (SMP 39) - Mitigated - Bay Area AQMD Air District, Winter

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

10.1 Stationary Sources

Unmitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|---|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|------|---------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | | |
| Emergency Generator - Diesel (175 - 300 HP) | 9.9000e-003 | 0.0277 | 0.0252 | 5.0000e-005 | | 1.4600e-003 | 1.4600e-003 | | 1.4600e-003 | 1.4600e-003 | | 5.0623 | 5.0623 | 7.1000e-004 | | | 5.0800 |
| Total | 9.9000e-003 | 0.0277 | 0.0252 | 5.0000e-005 | | 1.4600e-003 | 1.4600e-003 | | 1.4600e-003 | 1.4600e-003 | | 5.0623 | 5.0623 | 7.1000e-004 | | | 5.0800 |

11.0 Vegetation

SMPs Project (SMP 39) - Mitigated

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

Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

| Phase | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|------|-------|-------|------|--------------|---------------|----------|-----------|-----------|------|------|------|
| Percent Reduction | | | | | | | | | | | | |
| Architectural Coating | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Building Construction | 0.05 | 0.02 | -0.04 | 0.00 | 0.04 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading | 0.47 | 0.08 | -0.30 | 0.00 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving | 0.13 | -0.31 | -0.16 | 0.00 | -0.31 | -0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

OFFROAD Equipment Mitigation

SMPs Project (SMP 39) - Mitigated**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

| Equipment Type | Fuel Type | Tier | Number Mitigated | Total Number of Equipment | DPF | Oxidation Catalyst |
|---------------------------|-----------|-----------|------------------|---------------------------|-----------|--------------------|
| Air Compressors | Diesel | No Change | 0 | 1 | No Change | 0.00 |
| Cranes | Diesel | Tier 3 | 1 | 1 | No Change | 0.00 |
| Excavators | Diesel | Tier 3 | 2 | 2 | No Change | 0.00 |
| Forklifts | Diesel | No Change | 0 | 3 | No Change | 0.00 |
| Generator Sets | Diesel | No Change | 0 | 1 | No Change | 0.00 |
| Graders | Diesel | Tier 3 | 1 | 1 | No Change | 0.00 |
| Pavers | Diesel | Tier 3 | 2 | 2 | No Change | 0.00 |
| Paving Equipment | Diesel | Tier 3 | 2 | 2 | No Change | 0.00 |
| Rollers | Diesel | No Change | 0 | 2 | No Change | 0.00 |
| Rubber Tired Dozers | Diesel | Tier 3 | 1 | 1 | No Change | 0.00 |
| Scrapers | Diesel | Tier 3 | 2 | 2 | No Change | 0.00 |
| Tractors/Loaders/Backhoes | Diesel | No Change | 0 | 5 | No Change | 0.00 |
| Welders | Diesel | No Change | 0 | 1 | No Change | 0.00 |

SMPs Project (SMP 39) - Mitigated

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

| Equipment Type | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------------------|--------------|--------------|--------------|--------------|--------------|---------------|-------------------|--------------|--------------|--------------|--------------|--------------|
| Unmitigated tons/yr | | | | | | | Unmitigated mt/yr | | | | | |
| Air Compressors | 2.73400E-002 | 1.83280E-001 | 2.89460E-001 | 4.80000E-004 | 8.24000E-003 | 8.24000E-003 | 0.00000E+000 | 4.08521E+001 | 4.08521E+001 | 2.23000E-003 | 0.00000E+000 | 4.09078E+001 |
| Cranes | 4.37900E-002 | 4.43510E-001 | 2.43100E-001 | 8.10000E-004 | 1.88500E-002 | 1.73400E-002 | 0.00000E+000 | 7.09742E+001 | 7.09742E+001 | 2.29500E-002 | 0.00000E+000 | 7.15481E+001 |
| Excavators | 1.61800E-002 | 1.25710E-001 | 2.93840E-001 | 4.70000E-004 | 6.19000E-003 | 5.70000E-003 | 0.00000E+000 | 4.08452E+001 | 4.08452E+001 | 1.32100E-002 | 0.00000E+000 | 4.11754E+001 |
| Forklifts | 4.17100E-002 | 3.92900E-001 | 5.44200E-001 | 7.30000E-004 | 2.10300E-002 | 1.93500E-002 | 0.00000E+000 | 6.44598E+001 | 6.44598E+001 | 2.08500E-002 | 0.00000E+000 | 6.49810E+001 |
| Generator Sets | 4.26200E-002 | 3.83270E-001 | 5.85520E-001 | 1.05000E-003 | 1.52600E-002 | 1.52600E-002 | 0.00000E+000 | 9.04332E+001 | 9.04332E+001 | 3.34000E-003 | 0.00000E+000 | 9.05167E+001 |
| Graders | 1.58900E-002 | 1.85960E-001 | 7.44500E-002 | 3.00000E-004 | 6.03000E-003 | 5.55000E-003 | 0.00000E+000 | 2.61473E+001 | 2.61473E+001 | 8.46000E-003 | 0.00000E+000 | 2.63587E+001 |
| Pavers | 1.04300E-002 | 9.49900E-002 | 1.73750E-001 | 2.80000E-004 | 4.45000E-003 | 4.09000E-003 | 0.00000E+000 | 2.47658E+001 | 2.47658E+001 | 8.01000E-003 | 0.00000E+000 | 2.49660E+001 |
| Paving Equipment | 8.81000E-003 | 7.58800E-002 | 1.52790E-001 | 2.40000E-004 | 3.75000E-003 | 3.45000E-003 | 0.00000E+000 | 2.14631E+001 | 2.14631E+001 | 6.94000E-003 | 0.00000E+000 | 2.16367E+001 |
| Rollers | 8.22000E-003 | 8.65800E-002 | 1.10800E-001 | 1.60000E-004 | 4.35000E-003 | 4.01000E-003 | 0.00000E+000 | 1.38289E+001 | 1.38289E+001 | 4.47000E-003 | 0.00000E+000 | 1.39407E+001 |
| Rubber Tired Dozers | 3.12100E-002 | 3.20000E-001 | 1.40700E-001 | 3.80000E-004 | 1.44100E-002 | 1.32500E-002 | 0.00000E+000 | 3.37601E+001 | 3.37601E+001 | 1.09200E-002 | 0.00000E+000 | 3.40330E+001 |
| Scrapers | 6.81400E-002 | 6.88640E-001 | 5.35270E-001 | 1.37000E-003 | 2.72200E-002 | 2.50400E-002 | 0.00000E+000 | 1.19944E+002 | 1.19944E+002 | 3.87900E-002 | 0.00000E+000 | 1.20914E+002 |
| Tractors/Loaders/Backhoes | 6.84100E-002 | 6.90740E-001 | 1.13764E+000 | 1.59000E-003 | 2.86700E-002 | 2.63700E-002 | 0.00000E+000 | 1.39728E+002 | 1.39728E+002 | 4.51900E-002 | 0.00000E+000 | 1.40857E+002 |
| Welders | 3.51700E-002 | 2.14730E-001 | 2.64260E-001 | 4.10000E-004 | 6.54000E-003 | 6.54000E-003 | 0.00000E+000 | 3.01153E+001 | 3.01153E+001 | 2.86000E-003 | 0.00000E+000 | 3.01868E+001 |

SMPs Project (SMP 39) - Mitigated

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

| Equipment Type | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|--------------|--------------|--------------|--------------|--------------|---------------|-----------------|--------------|--------------|--------------|--------------|--------------|
| Mitigated tons/yr | | | | | | | Mitigated mt/yr | | | | | |
| Air Compressors | 2.73400E-002 | 1.83280E-001 | 2.89460E-001 | 4.80000E-004 | 8.24000E-003 | 8.24000E-003 | 0.00000E+000 | 4.08520E+001 | 4.08520E+001 | 2.23000E-003 | 0.00000E+000 | 4.09077E+001 |
| Cranes | 1.98500E-002 | 3.83750E-001 | 4.30070E-001 | 8.10000E-004 | 1.45600E-002 | 1.45600E-002 | 0.00000E+000 | 7.09741E+001 | 7.09741E+001 | 2.29500E-002 | 0.00000E+000 | 7.15480E+001 |
| Excavators | 1.14400E-002 | 2.21100E-001 | 3.52620E-001 | 4.70000E-004 | 1.06700E-002 | 1.06700E-002 | 0.00000E+000 | 4.08451E+001 | 4.08451E+001 | 1.32100E-002 | 0.00000E+000 | 4.11754E+001 |
| Forklifts | 4.17100E-002 | 3.92900E-001 | 5.44200E-001 | 7.30000E-004 | 2.10300E-002 | 1.93500E-002 | 0.00000E+000 | 6.44598E+001 | 6.44598E+001 | 2.08500E-002 | 0.00000E+000 | 6.49809E+001 |
| Generator Sets | 4.26200E-002 | 3.83270E-001 | 5.85520E-001 | 1.05000E-003 | 1.52600E-002 | 1.52600E-002 | 0.00000E+000 | 9.04331E+001 | 9.04331E+001 | 3.34000E-003 | 0.00000E+000 | 9.05166E+001 |
| Graders | 7.30000E-003 | 1.41170E-001 | 1.58210E-001 | 3.00000E-004 | 5.35000E-003 | 5.35000E-003 | 0.00000E+000 | 2.61472E+001 | 2.61472E+001 | 8.46000E-003 | 0.00000E+000 | 2.63587E+001 |
| Pavers | 6.93000E-003 | 1.34050E-001 | 2.13780E-001 | 2.80000E-004 | 6.47000E-003 | 6.47000E-003 | 0.00000E+000 | 2.47658E+001 | 2.47658E+001 | 8.01000E-003 | 0.00000E+000 | 2.49660E+001 |
| Paving Equipment | 6.03000E-003 | 1.16660E-001 | 1.86060E-001 | 2.40000E-004 | 5.63000E-003 | 5.63000E-003 | 0.00000E+000 | 2.14631E+001 | 2.14631E+001 | 6.94000E-003 | 0.00000E+000 | 2.16366E+001 |
| Rollers | 8.22000E-003 | 8.65800E-002 | 1.10800E-001 | 1.60000E-004 | 4.35000E-003 | 4.01000E-003 | 0.00000E+000 | 1.38289E+001 | 1.38289E+001 | 4.47000E-003 | 0.00000E+000 | 1.39407E+001 |
| Rubber Tired Dozers | 9.41000E-003 | 1.81920E-001 | 2.03880E-001 | 3.80000E-004 | 6.90000E-003 | 6.90000E-003 | 0.00000E+000 | 3.37600E+001 | 3.37600E+001 | 1.09200E-002 | 0.00000E+000 | 3.40330E+001 |
| Scrapers | 3.35500E-002 | 6.48730E-001 | 7.27020E-001 | 1.37000E-003 | 2.46100E-002 | 2.46100E-002 | 0.00000E+000 | 1.19944E+002 | 1.19944E+002 | 3.87900E-002 | 0.00000E+000 | 1.20914E+002 |
| Tractors/Loaders/Balckhoes | 6.84100E-002 | 6.90740E-001 | 1.13764E+000 | 1.59000E-003 | 2.86700E-002 | 2.63700E-002 | 0.00000E+000 | 1.39727E+002 | 1.39727E+002 | 4.51900E-002 | 0.00000E+000 | 1.40857E+002 |
| Welders | 3.51600E-002 | 2.14730E-001 | 2.64260E-001 | 4.10000E-004 | 6.54000E-003 | 6.54000E-003 | 0.00000E+000 | 3.01153E+001 | 3.01153E+001 | 2.86000E-003 | 0.00000E+000 | 3.01868E+001 |

SMPs Project (SMP 39) - Mitigated

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

| Equipment Type | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|--------------|---------------|---------------|--------------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Percent Reduction | | | | | | | | | | | | |
| Air Compressors | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.22393E-006 | 1.22393E-006 | 0.00000E+000 | 0.00000E+000 | 1.22226E-006 |
| Cranes | 5.46700E-001 | 1.34743E-001 | -7.69107E-001 | 0.00000E+000 | 2.27586E-001 | 1.60323E-001 | 0.00000E+000 | 1.26807E-006 | 1.26807E-006 | 0.00000E+000 | 0.00000E+000 | 1.11813E-006 |
| Excavators | 2.92954E-001 | -7.58810E-001 | -2.00041E-001 | 0.00000E+000 | -7.23748E-001 | -8.71930E-001 | 0.00000E+000 | 1.22413E-006 | 1.22413E-006 | 0.00000E+000 | 0.00000E+000 | 1.21432E-006 |
| Forklifts | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.24108E-006 | 1.24108E-006 | 0.00000E+000 | 0.00000E+000 | 1.23113E-006 |
| Generator Sets | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.10579E-006 | 1.10579E-006 | 0.00000E+000 | 0.00000E+000 | 1.21524E-006 |
| Graders | 5.40592E-001 | 2.40858E-001 | -1.12505E+000 | 0.00000E+000 | 1.12769E-001 | 3.60360E-002 | 0.00000E+000 | 1.14735E-006 | 1.14735E-006 | 0.00000E+000 | 0.00000E+000 | 1.13814E-006 |
| Pavers | 3.35570E-001 | -4.11201E-001 | -2.30388E-001 | 0.00000E+000 | -4.53933E-001 | -5.81907E-001 | 0.00000E+000 | 1.21135E-006 | 1.21135E-006 | 0.00000E+000 | 0.00000E+000 | 1.20163E-006 |
| Paving Equipment | 3.15551E-001 | -5.37428E-001 | -2.17750E-001 | 0.00000E+000 | -5.01333E-001 | -6.31884E-001 | 0.00000E+000 | 9.31831E-007 | 9.31831E-007 | 0.00000E+000 | 0.00000E+000 | 9.24357E-007 |
| Rollers | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.44625E-006 | 1.44625E-006 | 0.00000E+000 | 0.00000E+000 | 1.43465E-006 |
| Rubber Tired Dozers | 6.98494E-001 | 4.31500E-001 | -4.49041E-001 | 0.00000E+000 | 5.21166E-001 | 4.79245E-001 | 0.00000E+000 | 1.18483E-006 | 1.18483E-006 | 0.00000E+000 | 0.00000E+000 | 1.17533E-006 |
| Scrapers | 5.07631E-001 | 5.79548E-002 | -3.58230E-001 | 0.00000E+000 | 9.58854E-002 | 1.71725E-002 | 0.00000E+000 | 1.25058E-006 | 1.25058E-006 | 0.00000E+000 | 0.00000E+000 | 1.24055E-006 |
| Tractors/Loaders/Balckhoes | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.21665E-006 | 1.21665E-006 | 0.00000E+000 | 0.00000E+000 | 1.20689E-006 |
| Welders | 2.84333E-004 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.32823E-006 | 1.32823E-006 | 0.00000E+000 | 0.00000E+000 | 1.32508E-006 |

Fugitive Dust Mitigation

Yes/No Mitigation Measure Mitigation Input Mitigation Input Mitigation Input

| | | | | | |
|----|-----------------------------------|----------------|------|-----------------|------|
| No | Soil Stabilizer for unpaved Roads | PM10 Reduction | 0.00 | PM2.5 Reduction | 0.00 |
|----|-----------------------------------|----------------|------|-----------------|------|

SMPs Project (SMP 39) - Mitigated

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

| | | | | | | | |
|----|--|--------------------|------|---------------------|------|---------------------|--|
| No | Replace Ground Cover of Area Disturbed | PM10 Reduction | 0.00 | PM2.5 Reduction | 0.00 | | |
| No | Water Exposed Area | PM10 Reduction | 0.00 | PM2.5 Reduction | 0.00 | Frequency (per day) | |
| No | Unpaved Road Mitigation | Moisture Content % | 0.00 | Vehicle Speed (mph) | 0.00 | | |
| No | Clean Paved Road | % PM Reduction | 0.00 | | | | |

| Phase | Source | Unmitigated | | Mitigated | | Percent Reduction | |
|-----------------------|---------------|-------------|-------|-----------|-------|-------------------|-------|
| | | PM10 | PM2.5 | PM10 | PM2.5 | PM10 | PM2.5 |
| Architectural Coating | Fugitive Dust | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Architectural Coating | Roads | 0.15 | 0.04 | 0.15 | 0.04 | 0.00 | 0.00 |
| Building Construction | Fugitive Dust | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Building Construction | Roads | 0.99 | 0.27 | 0.99 | 0.27 | 0.00 | 0.00 |
| Grading | Fugitive Dust | 0.56 | 0.18 | 0.56 | 0.18 | 0.00 | 0.00 |
| Grading | Roads | 0.03 | 0.01 | 0.03 | 0.01 | 0.00 | 0.00 |
| Paving | Fugitive Dust | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving | Roads | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Operational Percent Reduction Summary

| Category | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|------|------|------|------|--------------|---------------|----------|-----------|-----------|------|------|------|
| Percent Reduction | | | | | | | | | | | | |
| Architectural Coating | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

SMPs Project (SMP 39) - Mitigated

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

| | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Consumer Products | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hearth | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Landscaping | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mobile | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Natural Gas | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Water Indoor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Water Outdoor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Operational Mobile Mitigation

Project Setting: Suburban Center

| Mitigation | Category | Measure | % Reduction | Input Value 1 | Input Value 2 | Input Value 3 |
|------------|---------------------------|-------------------------------------|-------------|---------------|---------------|---------------|
| No | Land Use | Increase Density | 0.00 | 0.00 | 0.00 | |
| No | Land Use | Increase Diversity | 0.10 | 0.32 | | |
| No | Land Use | Improve Walkability Design | 0.00 | 0.00 | | |
| No | Land Use | Improve Destination Accessibility | 0.00 | 0.00 | | |
| No | Land Use | Increase Transit Accessibility | 0.25 | | | |
| No | Land Use | Integrate Below Market Rate Housing | 0.00 | 0.00 | | |
| | Land Use | Land Use SubTotal | 0.00 | | | |
| No | Neighborhood Enhancements | Improve Pedestrian Network | 1.00 | Project Site | | |
| No | Neighborhood Enhancements | Provide Traffic Calming Measures | | | | |

SMPs Project (SMP 39) - Mitigated

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

| | | | | | |
|----|---------------------------|--|-------|------|------|
| No | Neighborhood Enhancements | Implement NEV Network | 0.00 | | |
| | Neighborhood Enhancements | Neighborhood Enhancements Subtotal | 0.00 | | |
| No | Parking Policy Pricing | Limit Parking Supply | 0.00 | 0.00 | |
| No | Parking Policy Pricing | Unbundle Parking Costs | 0.00 | 0.00 | |
| No | Parking Policy Pricing | On-street Market Pricing | 0.00 | 0.00 | |
| | Parking Policy Pricing | Parking Policy Pricing Subtotal | 0.00 | | |
| No | Transit Improvements | Provide BRT System | 0.00 | 0.00 | |
| No | Transit Improvements | Expand Transit Network | 0.00 | 0.00 | |
| No | Transit Improvements | Increase Transit Frequency | 0.00 | | 0.00 |
| | Transit Improvements | Transit Improvements Subtotal | 0.00 | | |
| | | Land Use and Site Enhancement Subtotal | 0.00 | | |
| No | Commute | Implement Trip Reduction Program | | | |
| No | Commute | Transit Subsidy | | | |
| No | Commute | Implement Employee Parking "Cash Out" | 4.50 | | |
| No | Commute | Workplace Parking Charge | | 0.00 | |
| No | Commute | Encourage Telecommuting and Alternative Work Schedules | 0.00 | | |
| No | Commute | Market Commute Trip Reduction Option | 0.00 | | |
| No | Commute | Employee Vanpool/Shuttle | 0.00 | | 2.00 |
| No | Commute | Provide Ride Sharing Program | 10.00 | | |
| | Commute | Commute Subtotal | 0.00 | | |
| No | School Trip | Implement School Bus Program | 0.00 | | |

SMPs Project (SMP 39) - Mitigated

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

| | | | | |
|--|---------------------|------|--|--|
| | Total VMT Reduction | 0.00 | | |
|--|---------------------|------|--|--|

Area Mitigation

| Measure Implemented | Mitigation Measure | Input Value |
|---------------------|--|-------------|
| No | Only Natural Gas Hearth | |
| No | No Hearth | |
| No | Use Low VOC Cleaning Supplies | |
| No | Use Low VOC Paint (Residential Interior) | 100.00 |
| No | Use Low VOC Paint (Residential Exterior) | 150.00 |
| No | Use Low VOC Paint (Non-residential Interior) | 100.00 |
| No | Use Low VOC Paint (Non-residential Exterior) | 150.00 |
| No | Use Low VOC Paint (Parking) | 150.00 |
| No | % Electric Lawnmower | |
| No | % Electric Leafblower | |
| No | % Electric Chainsaw | |

Energy Mitigation Measures

| Measure Implemented | Mitigation Measure | Input Value 1 | Input Value 2 |
|---------------------|----------------------------------|---------------|---------------|
| No | Exceed Title 24 | | |
| No | Install High Efficiency Lighting | | |
| No | On-site Renewable | | |

SMPs Project (SMP 39) - Mitigated

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

| Appliance Type | Land Use Subtype | % Improvement |
|----------------|------------------|---------------|
| ClothWasher | | 30.00 |
| DishWasher | | 15.00 |
| Fan | | 50.00 |
| Refrigerator | | 15.00 |

Water Mitigation Measures

| Measure Implemented | Mitigation Measure | Input Value 1 | Input Value 2 |
|---------------------|--|---------------|---------------|
| Yes | Apply Water Conservation on Strategy | 0.00 | 20.00 |
| No | Use Reclaimed Water | 0.00 | 0.00 |
| No | Use Grey Water | 0.00 | |
| No | Install low-flow bathroom faucet | 32.00 | |
| No | Install low-flow Kitchen faucet | 18.00 | |
| No | Install low-flow Toilet | 20.00 | |
| No | Install low-flow Shower | 20.00 | |
| No | Turf Reduction | 0.00 | |
| No | Use Water Efficient Irrigation Systems | 6.10 | |
| No | Water Efficient Landscape | 0.00 | 0.00 |

Solid Waste Mitigation

| Mitigation Measures | Input Value |
|---------------------|-------------|
|---------------------|-------------|

SMPs Project (SMP 39) - Mitigated

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

| | |
|--|--|
| Institute Recycling and Composting Services Percent Reduction in Waste Disposed | |
|--|--|

SMPs Project - SMP 40 - Bay Area AQMD Air District, Annual

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

SMPs Project - SMP 40
Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|---------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 758.81* | 1000sqft | 33.31 | 758,808.00 | 0 |
| Parking Lot | 799.00 | Space | 7.19 | 319,600.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 64 |
| Climate Zone | 4 | | | Operational Year | 2025 |
| Utility Company | Pacific Gas and Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 203.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to represent total project site acreage.

Construction Phase - Phase timing adjusted based on applicant provided information. Architectural coating assumed to start two weeks after building construction and last for the same duration.

Trips and VMT - Import of soil during grading would be from adjoining property, hauling truck trips on local streets would not occur.

Grading - Based on AQ Questionnaire.

Vehicle Trips - Based on project-specific trip rates provided in TIS prepared by TJKM.

Construction Off-road Equipment Mitigation - Based on AQ Questionnaire.

Mobile Land Use Mitigation -

Water Mitigation - Compliant with MWELO.

Operational Off-Road Equipment - Based on Applicant provided information.

*It should be noted that the square footage used in this AQ modeling was based on a previous iteration of the SMP 40 site plan; however, the increase in 467 square feet on SMP 40 would not cause a substantial increase in emissions beyond what is presented herein.

SMPs Project - SMP 40 - Bay Area AQMD Air District, Annual

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

Stationary Sources - Emergency Generators and Fire Pumps - Based on applicant provided info.

| Table Name | Column Name | Default Value | New Value |
|---------------------------------|----------------------------|---------------|------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstructionPhase | NumDays | 55.00 | 240.00 |
| tblConstructionPhase | NumDays | 740.00 | 240.00 |
| tblConstructionPhase | NumDays | 75.00 | 60.00 |
| tblConstructionPhase | NumDays | 55.00 | 30.00 |
| tblGrading | MaterialImported | 0.00 | 7,000.00 |
| tblLandUse | LandUseSquareFeet | 758,810.00 | 758,808.00 |
| tblLandUse | LotAcreage | 17.42 | 33.31 |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | CNG |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 30.00 |
| tblStationaryGeneratorsPumpsUse | HorsePowerValue | 0.00 | 201.00 |
| tblStationaryGeneratorsPumpsUse | HoursPerDay | 0.00 | 0.01 |
| tblStationaryGeneratorsPumpsUse | HoursPerYear | 0.00 | 3.00 |
| tblStationaryGeneratorsPumpsUse | NumberOfEquipment | 0.00 | 2.00 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Annual

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

| | | | |
|-----------------|-------------------|--------|-------|
| tblTripsAndVMT | HaulingTripNumber | 875.00 | 0.00 |
| tblVehicleTrips | CC_TL | 7.30 | 9.79 |
| tblVehicleTrips | CNW_TL | 7.30 | 9.79 |
| tblVehicleTrips | CW_TL | 9.50 | 12.75 |
| tblVehicleTrips | ST_TR | 1.74 | 1.40 |
| tblVehicleTrips | SU_TR | 1.74 | 1.40 |
| tblVehicleTrips | WD_TR | 1.74 | 1.40 |

2.0 Emissions Summary

SMPs Project - SMP 40 - Bay Area AQMD Air District, Annual

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 | | | | | |
| 2023 | 0.1233 | 1.1694 | 1.0488 | 2.2100e-003 | 0.2828 | 0.0494 | 0.3322 | 0.1113 | 0.0455 | 0.1568 | 0.0000 | 194.5640 | 194.5640 | 0.0615 | 1.4000e-004 | 196.1411 |
| 2024 | 4.4033 | 2.8255 | 3.8288 | 0.0121 | 0.6554 | 0.0900 | 0.7454 | 0.1776 | 0.0851 | 0.2627 | 0.0000 | 1,120.0862 | 1,120.0862 | 0.0879 | 0.0714 | 1,143.5563 |
| Maximum | 4.4033 | 2.8255 | 3.8288 | 0.0121 | 0.6554 | 0.0900 | 0.7454 | 0.1776 | 0.0851 | 0.2627 | 0.0000 | 1,120.0862 | 1,120.0862 | 0.0879 | 0.0714 | 1,143.5563 |

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 | | | | | |
| 2023 | 0.0700 | 1.0393 | 1.3341 | 2.2100e-003 | 0.2828 | 0.0438 | 0.3266 | 0.1113 | 0.0433 | 0.1546 | 0.0000 | 194.5638 | 194.5638 | 0.0615 | 1.4000e-004 | 196.1409 |
| 2024 | 4.3828 | 2.7491 | 3.9698 | 0.0121 | 0.6554 | 0.0858 | 0.7412 | 0.1776 | 0.0821 | 0.2597 | 0.0000 | 1,120.0858 | 1,120.0858 | 0.0879 | 0.0714 | 1,143.5559 |
| Maximum | 4.3828 | 2.7491 | 3.9698 | 0.0121 | 0.6554 | 0.0858 | 0.7412 | 0.1776 | 0.0821 | 0.2597 | 0.0000 | 1,120.0858 | 1,120.0858 | 0.0879 | 0.0714 | 1,143.5559 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Annual

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 | 1.63 | 5.17 | -8.74 | 0.00 | 0.00 | 7.02 | 0.91 | 0.00 | 3.91 | 1.22 | 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 | 9-1-2023 | 11-30-2023 | 1.1676 | 0.9729 |
| 2 | 12-1-2023 | 2-29-2024 | 1.1795 | 1.1773 |
| 3 | 3-1-2024 | 5-31-2024 | 1.9706 | 1.9432 |
| 4 | 6-1-2024 | 8-31-2024 | 1.9634 | 1.9360 |
| 5 | 9-1-2024 | 9-30-2024 | 0.6402 | 0.6313 |
| | | Highest | 1.9706 | 1.9432 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Annual

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 | 3.3878 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0278 | 0.0278 | 7.0000e-005 | 0.0000 | 0.0297 |
| Energy | 0.0141 | 0.1280 | 0.1075 | 7.7000e-004 | | 9.7200e-003 | 9.7200e-003 | | 9.7200e-003 | 9.7200e-003 | 0.0000 | 395.3725 | 395.3725 | 0.0441 | 7.5800e-003 | 398.7324 |
| Mobile | 0.5571 | 0.7149 | 5.9502 | 0.0137 | 1.5338 | 9.7700e-003 | 1.5435 | 0.4098 | 9.1000e-003 | 0.4189 | 0.0000 | 1,293.5880 | 1,293.5880 | 0.0710 | 0.0558 | 1,312.0036 |
| Offroad | 0.0782 | 3.7348 | 37.2814 | 5.9600e-003 | | 0.0725 | 0.0725 | | 0.0725 | 0.0725 | 0.0000 | 683.9043 | 683.9043 | 0.2212 | 0.0000 | 689.4340 |
| Stationary | 9.9000e-004 | 2.7700e-003 | 2.5200e-003 | 0.0000 | | 1.5000e-004 | 1.5000e-004 | | 1.5000e-004 | 1.5000e-004 | 0.0000 | 0.4592 | 0.4592 | 6.0000e-005 | 0.0000 | 0.4609 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 144.7894 | 0.0000 | 144.7894 | 8.5568 | 0.0000 | 358.7096 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 55.6701 | 87.8508 | 143.5209 | 5.7321 | 0.1367 | 327.5690 |
| Total | 4.0381 | 4.5806 | 43.3559 | 0.0204 | 1.5338 | 0.0922 | 1.6259 | 0.4098 | 0.0915 | 0.5013 | 200.4595 | 2,461.2027 | 2,661.6621 | 14.6253 | 0.2002 | 3,086.9391 |

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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 | 3.3878 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0278 | 0.0278 | 7.0000e-005 | 0.0000 | 0.0297 |
| Energy | 0.0141 | 0.1280 | 0.1075 | 7.7000e-004 | | 9.7200e-003 | 9.7200e-003 | | 9.7200e-003 | 9.7200e-003 | 0.0000 | 395.3725 | 395.3725 | 0.0441 | 7.5800e-003 | 398.7324 |
| Mobile | 0.5571 | 0.7149 | 5.9502 | 0.0137 | 1.5338 | 9.7700e-003 | 1.5435 | 0.4098 | 9.1000e-003 | 0.4189 | 0.0000 | 1,293.5880 | 1,293.5880 | 0.0710 | 0.0558 | 1,312.0036 |
| Offroad | 0.0782 | 3.7348 | 37.2814 | 5.9600e-003 | | 0.0725 | 0.0725 | | 0.0725 | 0.0725 | 0.0000 | 683.9043 | 683.9043 | 0.2212 | 0.0000 | 689.4340 |
| Stationary | 9.9000e-004 | 2.7700e-003 | 2.5200e-003 | 0.0000 | | 1.5000e-004 | 1.5000e-004 | | 1.5000e-004 | 1.5000e-004 | 0.0000 | 0.4592 | 0.4592 | 6.0000e-005 | 0.0000 | 0.4609 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 144.7894 | 0.0000 | 144.7894 | 8.5568 | 0.0000 | 358.7096 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 55.6701 | 87.8508 | 143.5209 | 5.7321 | 0.1367 | 327.5690 |
| Total | 4.0381 | 4.5806 | 43.3559 | 0.0204 | 1.5338 | 0.0922 | 1.6259 | 0.4098 | 0.0915 | 0.5013 | 200.4595 | 2,461.2027 | 2,661.6621 | 14.6253 | 0.2002 | 3,086.9391 |

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

3.0 Construction Detail

Construction Phase

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

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Grading | Grading | 9/1/2023 | 11/23/2023 | 5 | 60 | |
| 2 | Paving | Paving | 11/24/2023 | 1/4/2024 | 5 | 30 | |
| 3 | Building Construction | Building Construction | 1/5/2024 | 12/5/2024 | 5 | 240 | |
| 4 | Architectural Coating | Architectural Coating | 1/19/2024 | 12/19/2024 | 5 | 240 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 180

Acres of Paving: 7.19

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,138,212; Non-Residential Outdoor: 379,404; Striped Parking Area: 19,176 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Grading | Excavators | 2 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

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

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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Grading | 8 | 20.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 453.00 | 177.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 91.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Grading - 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 | | | | | |
| Fugitive Dust | | | | | 0.2765 | 0.0000 | 0.2765 | 0.1097 | 0.0000 | 0.1097 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0997 | 1.0355 | 0.8415 | 1.8600e-003 | | 0.0427 | 0.0427 | | 0.0393 | 0.0393 | 0.0000 | 163.6056 | 163.6056 | 0.0529 | 0.0000 | 164.9285 |
| Total | 0.0997 | 1.0355 | 0.8415 | 1.8600e-003 | 0.2765 | 0.0427 | 0.3192 | 0.1097 | 0.0393 | 0.1490 | 0.0000 | 163.6056 | 163.6056 | 0.0529 | 0.0000 | 164.9285 |

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

3.2 Grading - 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 1.5400e-003 | 1.0500e-003 | 0.0133 | 4.0000e-005 | 4.7400e-003 | 2.0000e-005 | 4.7700e-003 | 1.2600e-003 | 2.0000e-005 | 1.2800e-003 | 0.0000 | 3.7158 | 3.7158 | 1.1000e-004 | 1.0000e-004 | 3.7489 |
| Total | 1.5400e-003 | 1.0500e-003 | 0.0133 | 4.0000e-005 | 4.7400e-003 | 2.0000e-005 | 4.7700e-003 | 1.2600e-003 | 2.0000e-005 | 1.2800e-003 | 0.0000 | 3.7158 | 3.7158 | 1.1000e-004 | 1.0000e-004 | 3.7489 |

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 | | | | | 0.2765 | 0.0000 | 0.2765 | 0.1097 | 0.0000 | 0.1097 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0502 | 0.8874 | 1.0950 | 1.8600e-003 | | 0.0362 | 0.0362 | | 0.0359 | 0.0359 | 0.0000 | 163.6054 | 163.6054 | 0.0529 | 0.0000 | 164.9283 |
| Total | 0.0502 | 0.8874 | 1.0950 | 1.8600e-003 | 0.2765 | 0.0362 | 0.3127 | 0.1097 | 0.0359 | 0.1456 | 0.0000 | 163.6054 | 163.6054 | 0.0529 | 0.0000 | 164.9283 |

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

3.2 Grading - 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 1.5400e-003 | 1.0500e-003 | 0.0133 | 4.0000e-005 | 4.7400e-003 | 2.0000e-005 | 4.7700e-003 | 1.2600e-003 | 2.0000e-005 | 1.2800e-003 | 0.0000 | 3.7158 | 3.7158 | 1.1000e-004 | 1.0000e-004 | 3.7489 |
| Total | 1.5400e-003 | 1.0500e-003 | 0.0133 | 4.0000e-005 | 4.7400e-003 | 2.0000e-005 | 4.7700e-003 | 1.2600e-003 | 2.0000e-005 | 1.2800e-003 | 0.0000 | 3.7158 | 3.7158 | 1.1000e-004 | 1.0000e-004 | 3.7489 |

3.3 Paving - 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 | 0.0134 | 0.1325 | 0.1896 | 3.0000e-004 | | 6.6300e-003 | 6.6300e-003 | | 6.1000e-003 | 6.1000e-003 | 0.0000 | 26.0349 | 26.0349 | 8.4200e-003 | 0.0000 | 26.2454 |
| Paving | 8.1600e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0216 | 0.1325 | 0.1896 | 3.0000e-004 | | 6.6300e-003 | 6.6300e-003 | | 6.1000e-003 | 6.1000e-003 | 0.0000 | 26.0349 | 26.0349 | 8.4200e-003 | 0.0000 | 26.2454 |

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3.3 Paving - 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 5.0000e-004 | 3.4000e-004 | 4.3200e-003 | 1.0000e-005 | 1.5400e-003 | 1.0000e-005 | 1.5500e-003 | 4.1000e-004 | 1.0000e-005 | 4.2000e-004 | 0.0000 | 1.2076 | 1.2076 | 3.0000e-005 | 3.0000e-005 | 1.2184 |
| Total | 5.0000e-004 | 3.4000e-004 | 4.3200e-003 | 1.0000e-005 | 1.5400e-003 | 1.0000e-005 | 1.5500e-003 | 4.1000e-004 | 1.0000e-005 | 4.2000e-004 | 0.0000 | 1.2076 | 1.2076 | 3.0000e-005 | 3.0000e-005 | 1.2184 |

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 | 9.6200e-003 | 0.1505 | 0.2214 | 3.0000e-004 | | 7.5500e-003 | 7.5500e-003 | | 7.3600e-003 | 7.3600e-003 | 0.0000 | 26.0349 | 26.0349 | 8.4200e-003 | 0.0000 | 26.2454 |
| Paving | 8.1600e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0178 | 0.1505 | 0.2214 | 3.0000e-004 | | 7.5500e-003 | 7.5500e-003 | | 7.3600e-003 | 7.3600e-003 | 0.0000 | 26.0349 | 26.0349 | 8.4200e-003 | 0.0000 | 26.2454 |

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3.3 Paving - 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 5.0000e-004 | 3.4000e-004 | 4.3200e-003 | 1.0000e-005 | 1.5400e-003 | 1.0000e-005 | 1.5500e-003 | 4.1000e-004 | 1.0000e-005 | 4.2000e-004 | 0.0000 | 1.2076 | 1.2076 | 3.0000e-005 | 3.0000e-005 | 1.2184 |
| Total | 5.0000e-004 | 3.4000e-004 | 4.3200e-003 | 1.0000e-005 | 1.5400e-003 | 1.0000e-005 | 1.5500e-003 | 4.1000e-004 | 1.0000e-005 | 4.2000e-004 | 0.0000 | 1.2076 | 1.2076 | 3.0000e-005 | 3.0000e-005 | 1.2184 |

3.3 Paving - 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 | 1.9800e-003 | 0.0191 | 0.0293 | 5.0000e-005 | | 9.4000e-004 | 9.4000e-004 | | 8.6000e-004 | 8.6000e-004 | 0.0000 | 4.0053 | 4.0053 | 1.3000e-003 | 0.0000 | 4.0377 |
| Paving | 1.2600e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 3.2400e-003 | 0.0191 | 0.0293 | 5.0000e-005 | | 9.4000e-004 | 9.4000e-004 | | 8.6000e-004 | 8.6000e-004 | 0.0000 | 4.0053 | 4.0053 | 1.3000e-003 | 0.0000 | 4.0377 |

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3.3 Paving - 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 | 7.0000e-005 | 5.0000e-005 | 6.2000e-004 | 0.0000 | 2.4000e-004 | 0.0000 | 2.4000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1812 | 0.1812 | 0.0000 | 0.0000 | 0.1827 |
| Total | 7.0000e-005 | 5.0000e-005 | 6.2000e-004 | 0.0000 | 2.4000e-004 | 0.0000 | 2.4000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1812 | 0.1812 | 0.0000 | 0.0000 | 0.1827 |

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 | 1.4500e-003 | 0.0228 | 0.0341 | 5.0000e-005 | | 1.1300e-003 | 1.1300e-003 | | 1.1000e-003 | 1.1000e-003 | 0.0000 | 4.0053 | 4.0053 | 1.3000e-003 | 0.0000 | 4.0377 |
| Paving | 1.2600e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 2.7100e-003 | 0.0228 | 0.0341 | 5.0000e-005 | | 1.1300e-003 | 1.1300e-003 | | 1.1000e-003 | 1.1000e-003 | 0.0000 | 4.0053 | 4.0053 | 1.3000e-003 | 0.0000 | 4.0377 |

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3.3 Paving - 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 | 7.0000e-005 | 5.0000e-005 | 6.2000e-004 | 0.0000 | 2.4000e-004 | 0.0000 | 2.4000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1812 | 0.1812 | 0.0000 | 0.0000 | 0.1827 |
| Total | 7.0000e-005 | 5.0000e-005 | 6.2000e-004 | 0.0000 | 2.4000e-004 | 0.0000 | 2.4000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1812 | 0.1812 | 0.0000 | 0.0000 | 0.1827 |

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 | 0.1766 | 1.6133 | 1.9400 | 3.2300e-003 | | 0.0736 | 0.0736 | | 0.0692 | 0.0692 | 0.0000 | 278.2189 | 278.2189 | 0.0658 | 0.0000 | 279.8637 |
| Total | 0.1766 | 1.6133 | 1.9400 | 3.2300e-003 | | 0.0736 | 0.0736 | | 0.0692 | 0.0692 | 0.0000 | 278.2189 | 278.2189 | 0.0658 | 0.0000 | 279.8637 |

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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 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 | 0.0220 | 0.9448 | 0.2892 | 4.2400e-003 | 0.1394 | 5.5700e-003 | 0.1449 | 0.0403 | 5.3300e-003 | 0.0456 | 0.0000 | 412.7347 | 412.7347 | 8.5000e-003 | 0.0611 | 431.1390 |
| Worker | 0.1302 | 0.0850 | 1.1263 | 3.5100e-003 | 0.4295 | 2.1100e-003 | 0.4317 | 0.1143 | 1.9400e-003 | 0.1162 | 0.0000 | 328.3475 | 328.3475 | 8.7800e-003 | 8.6100e-003 | 331.1322 |
| Total | 0.1522 | 1.0298 | 1.4155 | 7.7500e-003 | 0.5689 | 7.6800e-003 | 0.5766 | 0.1546 | 7.2700e-003 | 0.1619 | 0.0000 | 741.0822 | 741.0822 | 0.0173 | 0.0697 | 762.2711 |

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 | 0.1566 | 1.5331 | 2.0762 | 3.2300e-003 | | 0.0692 | 0.0692 | | 0.0661 | 0.0661 | 0.0000 | 278.2186 | 278.2186 | 0.0658 | 0.0000 | 279.8634 |
| Total | 0.1566 | 1.5331 | 2.0762 | 3.2300e-003 | | 0.0692 | 0.0692 | | 0.0661 | 0.0661 | 0.0000 | 278.2186 | 278.2186 | 0.0658 | 0.0000 | 279.8634 |

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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 | 0.0220 | 0.9448 | 0.2892 | 4.2400e-003 | 0.1394 | 5.5700e-003 | 0.1449 | 0.0403 | 5.3300e-003 | 0.0456 | 0.0000 | 412.7347 | 412.7347 | 8.5000e-003 | 0.0611 | 431.1390 |
| Worker | 0.1302 | 0.0850 | 1.1263 | 3.5100e-003 | 0.4295 | 2.1100e-003 | 0.4317 | 0.1143 | 1.9400e-003 | 0.1162 | 0.0000 | 328.3475 | 328.3475 | 8.7800e-003 | 8.6100e-003 | 331.1322 |
| Total | 0.1522 | 1.0298 | 1.4155 | 7.7500e-003 | 0.5689 | 7.6800e-003 | 0.5766 | 0.1546 | 7.2700e-003 | 0.1619 | 0.0000 | 741.0822 | 741.0822 | 0.0173 | 0.0697 | 762.2711 |

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 | 4.0234 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0217 | 0.1463 | 0.2172 | 3.6000e-004 | | 7.3100e-003 | 7.3100e-003 | | 7.3100e-003 | 7.3100e-003 | 0.0000 | 30.6390 | 30.6390 | 1.7300e-003 | 0.0000 | 30.6822 |
| Total | 4.0451 | 0.1463 | 0.2172 | 3.6000e-004 | | 7.3100e-003 | 7.3100e-003 | | 7.3100e-003 | 7.3100e-003 | 0.0000 | 30.6390 | 30.6390 | 1.7300e-003 | 0.0000 | 30.6822 |

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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 | 0.0262 | 0.0171 | 0.2263 | 7.0000e-004 | 0.0863 | 4.2000e-004 | 0.0867 | 0.0230 | 3.9000e-004 | 0.0234 | 0.0000 | 65.9594 | 65.9594 | 1.7600e-003 | 1.7300e-003 | 66.5188 |
| Total | 0.0262 | 0.0171 | 0.2263 | 7.0000e-004 | 0.0863 | 4.2000e-004 | 0.0867 | 0.0230 | 3.9000e-004 | 0.0234 | 0.0000 | 65.9594 | 65.9594 | 1.7600e-003 | 1.7300e-003 | 66.5188 |

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 | 4.0234 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0217 | 0.1463 | 0.2172 | 3.6000e-004 | | 7.3100e-003 | 7.3100e-003 | | 7.3100e-003 | 7.3100e-003 | 0.0000 | 30.6390 | 30.6390 | 1.7300e-003 | 0.0000 | 30.6821 |
| Total | 4.0451 | 0.1463 | 0.2172 | 3.6000e-004 | | 7.3100e-003 | 7.3100e-003 | | 7.3100e-003 | 7.3100e-003 | 0.0000 | 30.6390 | 30.6390 | 1.7300e-003 | 0.0000 | 30.6821 |

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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 | 0.0262 | 0.0171 | 0.2263 | 7.0000e-004 | 0.0863 | 4.2000e-004 | 0.0867 | 0.0230 | 3.9000e-004 | 0.0234 | 0.0000 | 65.9594 | 65.9594 | 1.7600e-003 | 1.7300e-003 | 66.5188 |
| Total | 0.0262 | 0.0171 | 0.2263 | 7.0000e-004 | 0.0863 | 4.2000e-004 | 0.0867 | 0.0230 | 3.9000e-004 | 0.0234 | 0.0000 | 65.9594 | 65.9594 | 1.7600e-003 | 1.7300e-003 | 66.5188 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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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 | 0.5571 | 0.7149 | 5.9502 | 0.0137 | 1.5338 | 9.7700e-003 | 1.5435 | 0.4098 | 9.1000e-003 | 0.4189 | 0.0000 | 1,293.5880 | 1,293.5880 | 0.0710 | 0.0558 | 1,312.0036 |
| Unmitigated | 0.5571 | 0.7149 | 5.9502 | 0.0137 | 1.5338 | 9.7700e-003 | 1.5435 | 0.4098 | 9.1000e-003 | 0.4189 | 0.0000 | 1,293.5880 | 1,293.5880 | 0.0710 | 0.0558 | 1,312.0036 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|-----------------|-----------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 1,062.33 | 1,062.33 | 1,062.33 | 4,161,048 | 4,161,048 |
| Total | 1,062.33 | 1,062.33 | 1,062.33 | 4,161,048 | 4,161,048 |

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 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No Rail | 12.75 | 9.79 | 9.79 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Parking Lot | 0.553839 | 0.058700 | 0.188468 | 0.120786 | 0.022796 | 0.005663 | 0.010629 | 0.007566 | 0.000983 | 0.000556 | 0.026354 | 0.000841 | 0.002820 |
| Unrefrigerated Warehouse-No Rail | 0.553839 | 0.058700 | 0.188468 | 0.120786 | 0.022796 | 0.005663 | 0.010629 | 0.007566 | 0.000983 | 0.000556 | 0.026354 | 0.000841 | 0.002820 |

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|---------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 256.0769 | 256.0769 | 0.0414 | 5.0200e-003 | 258.6091 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 256.0769 | 256.0769 | 0.0414 | 5.0200e-003 | 258.6091 |
| NaturalGas Mitigated | 0.0141 | 0.1280 | 0.1075 | 7.7000e-004 | | 9.7200e-003 | 9.7200e-003 | | 9.7200e-003 | 9.7200e-003 | 0.0000 | 139.2955 | 139.2955 | 2.6700e-003 | 2.5500e-003 | 140.1233 |
| NaturalGas Unmitigated | 0.0141 | 0.1280 | 0.1075 | 7.7000e-004 | | 9.7200e-003 | 9.7200e-003 | | 9.7200e-003 | 9.7200e-003 | 0.0000 | 139.2955 | 139.2955 | 2.6700e-003 | 2.5500e-003 | 140.1233 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Annual

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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 2.6103e+006 | 0.0141 | 0.1280 | 0.1075 | 7.7000e-004 | | 9.7200e-003 | 9.7200e-003 | | 9.7200e-003 | 9.7200e-003 | 0.0000 | 139.2955 | 139.2955 | 2.6700e-003 | 2.5500e-003 | 140.1233 |
| Total | | 0.0141 | 0.1280 | 0.1075 | 7.7000e-004 | | 9.7200e-003 | 9.7200e-003 | | 9.7200e-003 | 9.7200e-003 | 0.0000 | 139.2955 | 139.2955 | 2.6700e-003 | 2.5500e-003 | 140.1233 |

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 2.6103e+006 | 0.0141 | 0.1280 | 0.1075 | 7.7000e-004 | | 9.7200e-003 | 9.7200e-003 | | 9.7200e-003 | 9.7200e-003 | 0.0000 | 139.2955 | 139.2955 | 2.6700e-003 | 2.5500e-003 | 140.1233 |
| Total | | 0.0141 | 0.1280 | 0.1075 | 7.7000e-004 | | 9.7200e-003 | 9.7200e-003 | | 9.7200e-003 | 9.7200e-003 | 0.0000 | 139.2955 | 139.2955 | 2.6700e-003 | 2.5500e-003 | 140.1233 |

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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 | | | |
| Parking Lot | 111860 | 10.3497 | 1.6700e-003 | 2.0000e-004 | 10.4521 |
| Unrefrigerated Warehouse-No Rail | 2.65583e+006 | 245.7272 | 0.0398 | 4.8200e-003 | 248.1570 |
| Total | | 256.0769 | 0.0414 | 5.0200e-003 | 258.6091 |

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Parking Lot | 111860 | 10.3497 | 1.6700e-003 | 2.0000e-004 | 10.4521 |
| Unrefrigerated Warehouse-No Rail | 2.65583e+006 | 245.7272 | 0.0398 | 4.8200e-003 | 248.1570 |
| Total | | 256.0769 | 0.0414 | 5.0200e-003 | 258.6091 |

6.0 Area Detail

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

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|--------|--------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 3.3878 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0278 | 0.0278 | 7.0000e-005 | 0.0000 | 0.0297 |
| Unmitigated | 3.3878 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0278 | 0.0278 | 7.0000e-005 | 0.0000 | 0.0297 |

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 | 0.4023 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 2.9842 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.3100e-003 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0278 | 0.0278 | 7.0000e-005 | 0.0000 | 0.0297 |
| Total | 3.3878 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0278 | 0.0278 | 7.0000e-005 | 0.0000 | 0.0297 |

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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 | 0.4023 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 2.9842 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.3100e-003 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0278 | 0.0278 | 7.0000e-005 | 0.0000 | 0.0297 |
| Total | 3.3878 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0278 | 0.0278 | 7.0000e-005 | 0.0000 | 0.0297 |

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

SMPs Project - SMP 40 - Bay Area AQMD Air District, Annual

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 | 143.5209 | 5.7321 | 0.1367 | 327.5690 |
| Unmitigated | 143.5209 | 5.7321 | 0.1367 | 327.5690 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|--------------------|-----------------|---------------|---------------|-----------------|
| Land Use | Mgal | MT/yr | | | |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 175.475 / 0 | 143.5209 | 5.7321 | 0.1367 | 327.5690 |
| Total | | 143.5209 | 5.7321 | 0.1367 | 327.5690 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Annual

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 | | | |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 175.475 / 0 | 143.5209 | 5.7321 | 0.1367 | 327.5690 |
| Total | | 143.5209 | 5.7321 | 0.1367 | 327.5690 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|----------|
| | MT/yr | | | |
| Mitigated | 144.7894 | 8.5568 | 0.0000 | 358.7096 |
| Unmitigated | 144.7894 | 8.5568 | 0.0000 | 358.7096 |

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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

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|-----------------|---------------|---------------|-----------------|
| Land Use | tons | MT/yr | | | |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 713.28 | 144.7894 | 8.5568 | 0.0000 | 358.7096 |
| Total | | 144.7894 | 8.5568 | 0.0000 | 358.7096 |

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|-----------------|---------------|---------------|-----------------|
| Land Use | tons | MT/yr | | | |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 713.28 | 144.7894 | 8.5568 | 0.0000 | 358.7096 |
| Total | | 144.7894 | 8.5568 | 0.0000 | 358.7096 |

9.0 Operational Offroad

SMPs Project - SMP 40 - Bay Area AQMD Air District, Annual

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

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
| Forklifts | 30 | 8.00 | 260 | 89 | 0.20 | CNG |

UnMitigated/Mitigated

| Equipment Type | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|---------------|----------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Forklifts | 0.0782 | 3.7348 | 37.2814 | 5.9600e-003 | | 0.0725 | 0.0725 | | 0.0725 | 0.0725 | 0.0000 | 683.9043 | 683.9043 | 0.2212 | 0.0000 | 689.4340 |
| Total | 0.0782 | 3.7348 | 37.2814 | 5.9600e-003 | | 0.0725 | 0.0725 | | 0.0725 | 0.0725 | 0.0000 | 683.9043 | 683.9043 | 0.2212 | 0.0000 | 689.4340 |

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---------------------|--------|-----------|------------|-------------|-------------|-----------|
| Emergency Generator | 2 | 0.01 | 3 | 201 | 0.73 | Diesel |

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

10.1 Stationary Sources

Unmitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|--------------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Equipment Type | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Emergency Generator - Diesel (175 - 300 HP) | 9.9000e-004 | 2.7700e-003 | 2.5200e-003 | 0.0000 | | 1.5000e-004 | 1.5000e-004 | | 1.5000e-004 | 1.5000e-004 | 0.0000 | 0.4592 | 0.4592 | 6.0000e-005 | 0.0000 | 0.4609 |
| Total | 9.9000e-004 | 2.7700e-003 | 2.5200e-003 | 0.0000 | | 1.5000e-004 | 1.5000e-004 | | 1.5000e-004 | 1.5000e-004 | 0.0000 | 0.4592 | 0.4592 | 6.0000e-005 | 0.0000 | 0.4609 |

11.0 Vegetation

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

SMPs Project - SMP 40
Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|---------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 758.81* | 1000sqft | 33.31 | 758,808.00 | 0 |
| Parking Lot | 799.00 | Space | 7.19 | 319,600.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 64 |
| Climate Zone | 4 | | | Operational Year | 2025 |
| Utility Company | Pacific Gas and Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 203.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to represent total project site acreage.

Construction Phase - Phase timing adjusted based on applicant provided information. Architectural coating assumed to start two weeks after building construction and last for the same duration.

Trips and VMT - Import of soil during grading would be from adjoining property, hauling truck trips on local streets would not occur.

Grading - Based on AQ Questionnaire.

Vehicle Trips - Based on project-specific trip rates provided in TIS prepared by TJKM.

Construction Off-road Equipment Mitigation - Based on AQ Questionnaire.

Mobile Land Use Mitigation -

Water Mitigation - Compliant with MWELO.

Operational Off-Road Equipment - Based on Applicant provided information.

*It should be noted that the square footage used in this AQ modeling was based on a previous iteration of the SMP 40 site plan; however, the increase in 467 square feet on SMP 40 would not cause a substantial increase in emissions beyond what is presented herein.

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

Stationary Sources - Emergency Generators and Fire Pumps - Based on applicant provided info.

| Table Name | Column Name | Default Value | New Value |
|---------------------------------|----------------------------|---------------|------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstructionPhase | NumDays | 55.00 | 240.00 |
| tblConstructionPhase | NumDays | 740.00 | 240.00 |
| tblConstructionPhase | NumDays | 75.00 | 60.00 |
| tblConstructionPhase | NumDays | 55.00 | 30.00 |
| tblGrading | MaterialImported | 0.00 | 7,000.00 |
| tblLandUse | LandUseSquareFeet | 758,810.00 | 758,808.00 |
| tblLandUse | LotAcreage | 17.42 | 33.31 |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | CNG |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 30.00 |
| tblStationaryGeneratorsPumpsUse | HorsePowerValue | 0.00 | 201.00 |
| tblStationaryGeneratorsPumpsUse | HoursPerDay | 0.00 | 0.01 |
| tblStationaryGeneratorsPumpsUse | HoursPerYear | 0.00 | 3.00 |
| tblStationaryGeneratorsPumpsUse | NumberOfEquipment | 0.00 | 2.00 |

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

| | | | |
|-----------------|-------------------|--------|-------|
| tblTripsAndVMT | HaulingTripNumber | 875.00 | 0.00 |
| tblVehicleTrips | CC_TL | 7.30 | 9.79 |
| tblVehicleTrips | CNW_TL | 7.30 | 9.79 |
| tblVehicleTrips | CW_TL | 9.50 | 12.75 |
| tblVehicleTrips | ST_TR | 1.74 | 1.40 |
| tblVehicleTrips | SU_TR | 1.74 | 1.40 |
| tblVehicleTrips | WD_TR | 1.74 | 1.40 |

2.0 Emissions Summary

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 | | | | | |
| 2023 | 3.3758 | 34.5467 | 28.5293 | 0.0635 | 9.3811 | 1.4253 | 10.8064 | 3.6993 | 1.3113 | 5.0106 | 0.0000 | 6,157.2467 | 6,157.2467 | 1.9479 | 3.4600e-003 | 6,206.9750 |
| 2024 | 36.7421 | 23.0125 | 32.4701 | 0.1027 | 5.6676 | 0.7417 | 6.4093 | 1.5305 | 0.7016 | 2.2321 | 0.0000 | 10,492.7160 | 10,492.7160 | 0.7890 | 0.6478 | 10,705.4703 |
| Maximum | 36.7421 | 34.5467 | 32.4701 | 0.1027 | 9.3811 | 1.4253 | 10.8064 | 3.6993 | 1.3113 | 5.0106 | 0.0000 | 10,492.7160 | 10,492.7160 | 1.9479 | 0.6478 | 10,705.4703 |

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 | | | | | |
| 2023 | 1.7280 | 29.6118 | 36.9792 | 0.0635 | 9.3811 | 1.2088 | 10.5899 | 3.6993 | 1.1966 | 4.8959 | 0.0000 | 6,157.2467 | 6,157.2467 | 1.9479 | 3.4600e-003 | 6,206.9750 |
| 2024 | 36.5759 | 22.3447 | 33.6051 | 0.1027 | 5.6676 | 0.7051 | 6.3727 | 1.5305 | 0.6752 | 2.2057 | 0.0000 | 10,492.7160 | 10,492.7160 | 0.7890 | 0.6478 | 10,705.4703 |
| Maximum | 36.5759 | 29.6118 | 36.9792 | 0.1027 | 9.3811 | 1.2088 | 10.5899 | 3.6993 | 1.1966 | 4.8959 | 0.0000 | 10,492.7160 | 10,492.7160 | 1.9479 | 0.6478 | 10,705.4703 |

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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 | 4.52 | 9.73 | -15.71 | 0.00 | 0.00 | 11.68 | 1.47 | 0.00 | 7.01 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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 | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Energy | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| Mobile | 3.3140 | 3.6172 | 33.2996 | 0.0793 | 8.7584 | 0.0537 | 8.8122 | 2.3328 | 0.0501 | 2.3828 | | 8,263.7625 | 8,263.7625 | 0.4105 | 0.3223 | 8,370.0581 |
| Offroad | 0.6013 | 28.7296 | 286.7803 | 0.0459 | | 0.5576 | 0.5576 | | 0.5576 | 0.5576 | 0.0000 | 5,799.0487 | 5,799.0487 | 1.8755 | | 5,845.9369 |
| Stationary | 6.6000e-003 | 0.0184 | 0.0168 | 3.0000e-005 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | | 3.3749 | 3.3749 | 4.7000e-004 | | 3.3867 |
| Total | 22.5699 | 33.0678 | 320.8444 | 0.1294 | 8.7584 | 0.6661 | 9.4245 | 2.3328 | 0.6625 | 2.9952 | 0.0000 | 14,907.8806 | 14,907.8806 | 2.3036 | 0.3377 | 15,066.0981 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Energy | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| Mobile | 3.3140 | 3.6172 | 33.2996 | 0.0793 | 8.7584 | 0.0537 | 8.8122 | 2.3328 | 0.0501 | 2.3828 | | 8,263.7625 | 8,263.7625 | 0.4105 | 0.3223 | 8,370.0581 |
| Offroad | 0.6013 | 28.7296 | 286.7803 | 0.0459 | | 0.5576 | 0.5576 | | 0.5576 | 0.5576 | 0.0000 | 5,799.0487 | 5,799.0487 | 1.8755 | | 5,845.9369 |
| Stationary | 6.6000e-003 | 0.0184 | 0.0168 | 3.0000e-005 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | | 3.3749 | 3.3749 | 4.7000e-004 | | 3.3867 |
| Total | 22.5699 | 33.0678 | 320.8444 | 0.1294 | 8.7584 | 0.6661 | 9.4245 | 2.3328 | 0.6625 | 2.9952 | 0.0000 | 14,907.8806 | 14,907.8806 | 2.3036 | 0.3377 | 15,066.0981 |

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Grading | Grading | 9/1/2023 | 11/23/2023 | 5 | 60 | |
| 2 | Paving | Paving | 11/24/2023 | 1/4/2024 | 5 | 30 | |
| 3 | Building Construction | Building Construction | 1/5/2024 | 12/5/2024 | 5 | 240 | |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

| | | | | | | |
|---|-----------------------|-----------------------|-----------|------------|---|-----|
| 4 | Architectural Coating | Architectural Coating | 1/19/2024 | 12/19/2024 | 5 | 240 |
|---|-----------------------|-----------------------|-----------|------------|---|-----|

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 180

Acres of Paving: 7.19

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,138,212; Non-Residential Outdoor: 379,404; Striped Parking Area: 19,176 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Grading | Excavators | 2 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| 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 |
|------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Grading | 8 | 20.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

| | | | | | | | | | | |
|-----------------------|---|--------|--------|------|-------|------|-------|--------|---------|------|
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 453.00 | 177.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 91.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Grading - 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 | | | | | |
| Fugitive Dust | | | | | 9.2168 | 0.0000 | 9.2168 | 3.6558 | 0.0000 | 3.6558 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.3217 | 34.5156 | 28.0512 | 0.0621 | | 1.4245 | 1.4245 | | 1.3105 | 1.3105 | | 6,011.4777 | 6,011.4777 | 1.9442 | | 6,060.0836 |
| Total | 3.3217 | 34.5156 | 28.0512 | 0.0621 | 9.2168 | 1.4245 | 10.6413 | 3.6558 | 1.3105 | 4.9663 | | 6,011.4777 | 6,011.4777 | 1.9442 | | 6,060.0836 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

3.2 Grading - 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 | 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 | 0.0541 | 0.0311 | 0.4781 | 1.4200e-003 | 0.1643 | 8.1000e-004 | 0.1651 | 0.0436 | 7.5000e-004 | 0.0443 | | 145.7690 | 145.7690 | 3.6800e-003 | 3.4600e-003 | 146.8915 |
| Total | 0.0541 | 0.0311 | 0.4781 | 1.4200e-003 | 0.1643 | 8.1000e-004 | 0.1651 | 0.0436 | 7.5000e-004 | 0.0443 | | 145.7690 | 145.7690 | 3.6800e-003 | 3.4600e-003 | 146.8915 |

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 | | | | | 9.2168 | 0.0000 | 9.2168 | 3.6558 | 0.0000 | 3.6558 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6739 | 29.5808 | 36.5011 | 0.0621 | | 1.2080 | 1.2080 | | 1.1959 | 1.1959 | 0.0000 | 6,011.4777 | 6,011.4777 | 1.9442 | | 6,060.0836 |
| Total | 1.6739 | 29.5808 | 36.5011 | 0.0621 | 9.2168 | 1.2080 | 10.4248 | 3.6558 | 1.1959 | 4.8516 | 0.0000 | 6,011.4777 | 6,011.4777 | 1.9442 | | 6,060.0836 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

3.2 Grading - 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 | 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 | 0.0541 | 0.0311 | 0.4781 | 1.4200e-003 | 0.1643 | 8.1000e-004 | 0.1651 | 0.0436 | 7.5000e-004 | 0.0443 | | 145.7690 | 145.7690 | 3.6800e-003 | 3.4600e-003 | 146.8915 |
| Total | 0.0541 | 0.0311 | 0.4781 | 1.4200e-003 | 0.1643 | 8.1000e-004 | 0.1651 | 0.0436 | 7.5000e-004 | 0.0443 | | 145.7690 | 145.7690 | 3.6800e-003 | 3.4600e-003 | 146.8915 |

3.3 Paving - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0327 | 10.1917 | 14.5842 | 0.0228 | | 0.5102 | 0.5102 | | 0.4694 | 0.4694 | | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |
| Paving | 0.6279 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.6607 | 10.1917 | 14.5842 | 0.0228 | | 0.5102 | 0.5102 | | 0.4694 | 0.4694 | | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

3.3 Paving - 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 | 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 | 0.0406 | 0.0233 | 0.3586 | 1.0700e-003 | 0.1232 | 6.1000e-004 | 0.1238 | 0.0327 | 5.6000e-004 | 0.0333 | | 109.3267 | 109.3267 | 2.7600e-003 | 2.5900e-003 | 110.1686 |
| Total | 0.0406 | 0.0233 | 0.3586 | 1.0700e-003 | 0.1232 | 6.1000e-004 | 0.1238 | 0.0327 | 5.6000e-004 | 0.0333 | | 109.3267 | 109.3267 | 2.7600e-003 | 2.5900e-003 | 110.1686 |

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 | 0.7397 | 11.5773 | 17.0325 | 0.0228 | | 0.5806 | 0.5806 | | 0.5664 | 0.5664 | 0.0000 | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |
| Paving | 0.6279 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.3676 | 11.5773 | 17.0325 | 0.0228 | | 0.5806 | 0.5806 | | 0.5664 | 0.5664 | 0.0000 | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

3.3 Paving - 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 | 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 | 0.0406 | 0.0233 | 0.3586 | 1.0700e-003 | 0.1232 | 6.1000e-004 | 0.1238 | 0.0327 | 5.6000e-004 | 0.0333 | | 109.3267 | 109.3267 | 2.7600e-003 | 2.5900e-003 | 110.1686 |
| Total | 0.0406 | 0.0233 | 0.3586 | 1.0700e-003 | 0.1232 | 6.1000e-004 | 0.1238 | 0.0327 | 5.6000e-004 | 0.0333 | | 109.3267 | 109.3267 | 2.7600e-003 | 2.5900e-003 | 110.1686 |

3.3 Paving - 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 | 0.9882 | 9.5246 | 14.6258 | 0.0228 | | 0.4685 | 0.4685 | | 0.4310 | 0.4310 | | 2,207.5472 | 2,207.5472 | 0.7140 | | 2,225.3963 |
| Paving | 0.6279 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.6161 | 9.5246 | 14.6258 | 0.0228 | | 0.4685 | 0.4685 | | 0.4310 | 0.4310 | | 2,207.5472 | 2,207.5472 | 0.7140 | | 2,225.3963 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

3.3 Paving - 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 | 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 | 0.0379 | 0.0208 | 0.3342 | 1.0300e-003 | 0.1232 | 5.8000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 106.6142 | 106.6142 | 2.4900e-003 | 2.4200e-003 | 107.3970 |
| Total | 0.0379 | 0.0208 | 0.3342 | 1.0300e-003 | 0.1232 | 5.8000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 106.6142 | 106.6142 | 2.4900e-003 | 2.4200e-003 | 107.3970 |

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 | 0.7237 | 11.4057 | 17.0282 | 0.0228 | | 0.5648 | 0.5648 | | 0.5519 | 0.5519 | 0.0000 | 2,207.5472 | 2,207.5472 | 0.7140 | | 2,225.3963 |
| Paving | 0.6279 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.3516 | 11.4057 | 17.0282 | 0.0228 | | 0.5648 | 0.5648 | | 0.5519 | 0.5519 | 0.0000 | 2,207.5472 | 2,207.5472 | 0.7140 | | 2,225.3963 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

3.3 Paving - 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 | 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 | 0.0379 | 0.0208 | 0.3342 | 1.0300e-003 | 0.1232 | 5.8000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 106.6142 | 106.6142 | 2.4900e-003 | 2.4200e-003 | 107.3970 |
| Total | 0.0379 | 0.0208 | 0.3342 | 1.0300e-003 | 0.1232 | 5.8000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 106.6142 | 106.6142 | 2.4900e-003 | 2.4200e-003 | 107.3970 |

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 | 1.4716 | 13.4438 | 16.1668 | 0.0270 | | 0.6133 | 0.6133 | | 0.5769 | 0.5769 | | 2,555.6989 | 2,555.6989 | 0.6044 | | 2,570.8077 |
| Total | 1.4716 | 13.4438 | 16.1668 | 0.0270 | | 0.6133 | 0.6133 | | 0.5769 | 0.5769 | | 2,555.6989 | 2,555.6989 | 0.6044 | | 2,570.8077 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 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 | 0.1872 | 7.5952 | 2.3727 | 0.0353 | 1.1988 | 0.0464 | 1.2452 | 0.3451 | 0.0443 | 0.3895 | | 3,789.028 4 | 3,789.028 4 | 0.0783 | 0.5601 | 3,957.887 3 |
| Worker | 1.1446 | 0.6285 | 10.0930 | 0.0312 | 3.7213 | 0.0176 | 3.7389 | 0.9871 | 0.0162 | 1.0032 | | 3,219.748 0 | 3,219.748 0 | 0.0753 | 0.0730 | 3,243.389 3 |
| Total | 1.3318 | 8.2237 | 12.4656 | 0.0665 | 4.9201 | 0.0639 | 4.9840 | 1.3322 | 0.0605 | 1.3927 | | 7,008.776 4 | 7,008.776 4 | 0.1536 | 0.6331 | 7,201.276 6 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.3053 | 12.7760 | 17.3019 | 0.0270 | | 0.5767 | 0.5767 | | 0.5505 | 0.5505 | 0.0000 | 2,555.698 9 | 2,555.698 9 | 0.6044 | | 2,570.807 7 |
| Total | 1.3053 | 12.7760 | 17.3019 | 0.0270 | | 0.5767 | 0.5767 | | 0.5505 | 0.5505 | 0.0000 | 2,555.698 9 | 2,555.698 9 | 0.6044 | | 2,570.807 7 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 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 | 0.1872 | 7.5952 | 2.3727 | 0.0353 | 1.1988 | 0.0464 | 1.2452 | 0.3451 | 0.0443 | 0.3895 | | 3,789.028 4 | 3,789.028 4 | 0.0783 | 0.5601 | 3,957.887 3 |
| Worker | 1.1446 | 0.6285 | 10.0930 | 0.0312 | 3.7213 | 0.0176 | 3.7389 | 0.9871 | 0.0162 | 1.0032 | | 3,219.748 0 | 3,219.748 0 | 0.0753 | 0.0730 | 3,243.389 3 |
| Total | 1.3318 | 8.2237 | 12.4656 | 0.0665 | 4.9201 | 0.0639 | 4.9840 | 1.3322 | 0.0605 | 1.3927 | | 7,008.776 4 | 7,008.776 4 | 0.1536 | 0.6331 | 7,201.276 6 |

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 | 33.5281 | | | | | 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 | 33.7088 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 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 | 0.2299 | 0.1263 | 2.0275 | 6.2700e-003 | 0.7475 | 3.5300e-003 | 0.7511 | 0.1983 | 3.2500e-003 | 0.2015 | | 646.7926 | 646.7926 | 0.0151 | 0.0147 | 651.5418 |
| Total | 0.2299 | 0.1263 | 2.0275 | 6.2700e-003 | 0.7475 | 3.5300e-003 | 0.7511 | 0.1983 | 3.2500e-003 | 0.2015 | | 646.7926 | 646.7926 | 0.0151 | 0.0147 | 651.5418 |

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 | 33.5281 | | | | | 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 | 33.7088 | 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 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 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 | 0.2299 | 0.1263 | 2.0275 | 6.2700e-003 | 0.7475 | 3.5300e-003 | 0.7511 | 0.1983 | 3.2500e-003 | 0.2015 | | 646.7926 | 646.7926 | 0.0151 | 0.0147 | 651.5418 |
| Total | 0.2299 | 0.1263 | 2.0275 | 6.2700e-003 | 0.7475 | 3.5300e-003 | 0.7511 | 0.1983 | 3.2500e-003 | 0.2015 | | 646.7926 | 646.7926 | 0.0151 | 0.0147 | 651.5418 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 | 3.3140 | 3.6172 | 33.2996 | 0.0793 | 8.7584 | 0.0537 | 8.8122 | 2.3328 | 0.0501 | 2.3828 | | 8,263.7625 | 8,263.7625 | 0.4105 | 0.3223 | 8,370.0581 |
| Unmitigated | 3.3140 | 3.6172 | 33.2996 | 0.0793 | 8.7584 | 0.0537 | 8.8122 | 2.3328 | 0.0501 | 2.3828 | | 8,263.7625 | 8,263.7625 | 0.4105 | 0.3223 | 8,370.0581 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|-----------------|-----------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 1,062.33 | 1,062.33 | 1,062.33 | 4,161,048 | 4,161,048 |
| Total | 1,062.33 | 1,062.33 | 1,062.33 | 4,161,048 | 4,161,048 |

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 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No Rail | 12.75 | 9.79 | 9.79 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Parking Lot | 0.553839 | 0.058700 | 0.188468 | 0.120786 | 0.022796 | 0.005663 | 0.010629 | 0.007566 | 0.000983 | 0.000556 | 0.026354 | 0.000841 | 0.002820 |
| Unrefrigerated Warehouse-No Rail | 0.553839 | 0.058700 | 0.188468 | 0.120786 | 0.022796 | 0.005663 | 0.010629 | 0.007566 | 0.000983 | 0.000556 | 0.026354 | 0.000841 | 0.002820 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| NaturalGas Unmitigated | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 7151.51 | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| Total | | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |

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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 7.15151 | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| Total | | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |

6.0 Area Detail

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|-------------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Unmitigated | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|----------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 2.2046 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 16.3517 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0146 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Total | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 | 2.2046 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 16.3517 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0146 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Total | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
| Forklifts | 30 | 8.00 | 260 | 89 | 0.20 | CNG |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

UnMitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|----------------|-----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | |
| Forklifts | 0.6013 | 28.7296 | 286.7803 | 0.0459 | | 0.5576 | 0.5576 | | 0.5576 | 0.5576 | 0.0000 | 5,799.0487 | 5,799.0487 | 1.8755 | | 5,845.9369 |
| Total | 0.6013 | 28.7296 | 286.7803 | 0.0459 | | 0.5576 | 0.5576 | | 0.5576 | 0.5576 | 0.0000 | 5,799.0487 | 5,799.0487 | 1.8755 | | 5,845.9369 |

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---------------------|--------|-----------|------------|-------------|-------------|-----------|
| Emergency Generator | 2 | 0.01 | 3 | 201 | 0.73 | Diesel |

Boilers

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

User Defined Equipment

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

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

10.1 Stationary Sources

Unmitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|---|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|------|---------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | | |
| Emergency Generator - Diesel (175 - 300 HP) | 6.6000e-003 | 0.0184 | 0.0168 | 3.0000e-005 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | | 3.3749 | 3.3749 | 4.7000e-004 | | | 3.3867 |
| Total | 6.6000e-003 | 0.0184 | 0.0168 | 3.0000e-005 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | | 3.3749 | 3.3749 | 4.7000e-004 | | | 3.3867 |

11.0 Vegetation

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

SMPs Project - SMP 40
Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|---------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 758.81* | 1000sqft | 33.31 | 758,808.00 | 0 |
| Parking Lot | 799.00 | Space | 7.19 | 319,600.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 64 |
| Climate Zone | 4 | | | Operational Year | 2025 |
| Utility Company | Pacific Gas and Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 203.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to represent total project site acreage.

Construction Phase - Phase timing adjusted based on applicant provided information. Architectural coating assumed to start two weeks after building construction and last for the same duration.

Trips and VMT - Import of soil during grading would be from adjoining property, hauling truck trips on local streets would not occur.

Grading - Based on AQ Questionnaire.

Vehicle Trips - Based on project-specific trip rates provided in TIS prepared by TJKM.

Construction Off-road Equipment Mitigation - Based on AQ Questionnaire.

Mobile Land Use Mitigation -

Water Mitigation - Compliant with MWELO.

Operational Off-Road Equipment - Based on Applicant provided information.

*It should be noted that the square footage used in this AQ modeling was based on a previous iteration of the SMP 40 site plan; however, the increase in 467 square feet on SMP 40 would not cause a substantial increase in emissions beyond what is presented herein.

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

Stationary Sources - Emergency Generators and Fire Pumps - Based on applicant provided info.

| Table Name | Column Name | Default Value | New Value |
|---------------------------------|----------------------------|---------------|------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstructionPhase | NumDays | 55.00 | 240.00 |
| tblConstructionPhase | NumDays | 740.00 | 240.00 |
| tblConstructionPhase | NumDays | 75.00 | 60.00 |
| tblConstructionPhase | NumDays | 55.00 | 30.00 |
| tblGrading | MaterialImported | 0.00 | 7,000.00 |
| tblLandUse | LandUseSquareFeet | 758,810.00 | 758,808.00 |
| tblLandUse | LotAcreage | 17.42 | 33.31 |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | CNG |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 30.00 |
| tblStationaryGeneratorsPumpsUse | HorsePowerValue | 0.00 | 201.00 |
| tblStationaryGeneratorsPumpsUse | HoursPerDay | 0.00 | 0.01 |
| tblStationaryGeneratorsPumpsUse | HoursPerYear | 0.00 | 3.00 |
| tblStationaryGeneratorsPumpsUse | NumberOfEquipment | 0.00 | 2.00 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

| | | | |
|-----------------|-------------------|--------|-------|
| tblTripsAndVMT | HaulingTripNumber | 875.00 | 0.00 |
| tblVehicleTrips | CC_TL | 7.30 | 9.79 |
| tblVehicleTrips | CNW_TL | 7.30 | 9.79 |
| tblVehicleTrips | CW_TL | 9.50 | 12.75 |
| tblVehicleTrips | ST_TR | 1.74 | 1.40 |
| tblVehicleTrips | SU_TR | 1.74 | 1.40 |
| tblVehicleTrips | WD_TR | 1.74 | 1.40 |

2.0 Emissions Summary

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 | | | | | |
| 2023 | 3.3772 | 34.5539 | 28.5091 | 0.0634 | 9.3811 | 1.4253 | 10.8064 | 3.6993 | 1.3113 | 5.0106 | 0.0000 | 6,146.9143 | 6,146.9143 | 1.9484 | 3.9800e-003 | 6,196.8109 |
| 2024 | 36.7762 | 23.6304 | 32.0813 | 0.1001 | 5.6676 | 0.7419 | 6.4095 | 1.5305 | 0.7018 | 2.2322 | 0.0000 | 10,224.7728 | 10,224.7728 | 0.8011 | 0.6624 | 10,442.1825 |
| Maximum | 36.7762 | 34.5539 | 32.0813 | 0.1001 | 9.3811 | 1.4253 | 10.8064 | 3.6993 | 1.3113 | 5.0106 | 0.0000 | 10,224.7728 | 10,224.7728 | 1.9484 | 0.6624 | 10,442.1825 |

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 | | | | | |
| 2023 | 1.7294 | 29.6191 | 36.9590 | 0.0634 | 9.3811 | 1.2088 | 10.5899 | 3.6993 | 1.1966 | 4.8959 | 0.0000 | 6,146.9143 | 6,146.9143 | 1.9484 | 3.9800e-003 | 6,196.8109 |
| 2024 | 36.6099 | 22.9626 | 33.2163 | 0.1001 | 5.6676 | 0.7053 | 6.3729 | 1.5305 | 0.6754 | 2.2058 | 0.0000 | 10,224.7728 | 10,224.7728 | 0.8011 | 0.6624 | 10,442.1825 |
| Maximum | 36.6099 | 29.6191 | 36.9590 | 0.1001 | 9.3811 | 1.2088 | 10.5899 | 3.6993 | 1.1966 | 4.8959 | 0.0000 | 10,224.7728 | 10,224.7728 | 1.9484 | 0.6624 | 10,442.1825 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 |
|-------------------|------|------|--------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 4.52 | 9.63 | -15.82 | 0.00 | 0.00 | 11.68 | 1.47 | 0.00 | 7.01 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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 | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Energy | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| Mobile | 3.0847 | 4.1484 | 34.5217 | 0.0748 | 8.7584 | 0.0537 | 8.8122 | 2.3328 | 0.0501 | 2.3829 | | 7,796.1900 | 7,796.1900 | 0.4504 | 0.3509 | 7,912.0113 |
| Offroad | 0.6013 | 28.7296 | 286.7803 | 0.0459 | | 0.5576 | 0.5576 | | 0.5576 | 0.5576 | 0.0000 | 5,799.0487 | 5,799.0487 | 1.8755 | | 5,845.9369 |
| Stationary | 6.6000e-003 | 0.0184 | 0.0168 | 3.0000e-005 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | | 3.3749 | 3.3749 | 4.7000e-004 | | 3.3867 |
| Total | 22.3406 | 33.5990 | 322.0664 | 0.1249 | 8.7584 | 0.6661 | 9.4246 | 2.3328 | 0.6625 | 2.9952 | 0.0000 | 14,440.3080 | 14,440.3080 | 2.3434 | 0.3663 | 14,608.0513 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Energy | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| Mobile | 3.0847 | 4.1484 | 34.5217 | 0.0748 | 8.7584 | 0.0537 | 8.8122 | 2.3328 | 0.0501 | 2.3829 | | 7,796.1900 | 7,796.1900 | 0.4504 | 0.3509 | 7,912.0113 |
| Offroad | 0.6013 | 28.7296 | 286.7803 | 0.0459 | | 0.5576 | 0.5576 | | 0.5576 | 0.5576 | 0.0000 | 5,799.0487 | 5,799.0487 | 1.8755 | | 5,845.9369 |
| Stationary | 6.6000e-003 | 0.0184 | 0.0168 | 3.0000e-005 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | | 3.3749 | 3.3749 | 4.7000e-004 | | 3.3867 |
| Total | 22.3406 | 33.5990 | 322.0664 | 0.1249 | 8.7584 | 0.6661 | 9.4246 | 2.3328 | 0.6625 | 2.9952 | 0.0000 | 14,440.3080 | 14,440.3080 | 2.3434 | 0.3663 | 14,608.0513 |

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Grading | Grading | 9/1/2023 | 11/23/2023 | 5 | 60 | |
| 2 | Paving | Paving | 11/24/2023 | 1/4/2024 | 5 | 30 | |
| 3 | Building Construction | Building Construction | 1/5/2024 | 12/5/2024 | 5 | 240 | |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

| | | | | | | |
|---|-----------------------|-----------------------|-----------|------------|---|-----|
| 4 | Architectural Coating | Architectural Coating | 1/19/2024 | 12/19/2024 | 5 | 240 |
|---|-----------------------|-----------------------|-----------|------------|---|-----|

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 180

Acres of Paving: 7.19

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,138,212; Non-Residential Outdoor: 379,404; Striped Parking Area: 19,176 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Grading | Excavators | 2 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| 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 |
|------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Grading | 8 | 20.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

| | | | | | | | | | | |
|-----------------------|---|--------|--------|------|-------|------|-------|--------|---------|------|
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 453.00 | 177.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 91.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Grading - 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 | | | | | |
| Fugitive Dust | | | | | 9.2168 | 0.0000 | 9.2168 | 3.6558 | 0.0000 | 3.6558 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.3217 | 34.5156 | 28.0512 | 0.0621 | | 1.4245 | 1.4245 | | 1.3105 | 1.3105 | | 6,011.4777 | 6,011.4777 | 1.9442 | | 6,060.0836 |
| Total | 3.3217 | 34.5156 | 28.0512 | 0.0621 | 9.2168 | 1.4245 | 10.6413 | 3.6558 | 1.3105 | 4.9663 | | 6,011.4777 | 6,011.4777 | 1.9442 | | 6,060.0836 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

3.2 Grading - 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 | 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 | 0.0555 | 0.0383 | 0.4579 | 1.3200e-003 | 0.1643 | 8.1000e-004 | 0.1651 | 0.0436 | 7.5000e-004 | 0.0443 | | 135.4366 | 135.4366 | 4.1800e-003 | 3.9800e-003 | 136.7273 |
| Total | 0.0555 | 0.0383 | 0.4579 | 1.3200e-003 | 0.1643 | 8.1000e-004 | 0.1651 | 0.0436 | 7.5000e-004 | 0.0443 | | 135.4366 | 135.4366 | 4.1800e-003 | 3.9800e-003 | 136.7273 |

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 | | | | | 9.2168 | 0.0000 | 9.2168 | 3.6558 | 0.0000 | 3.6558 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6739 | 29.5808 | 36.5011 | 0.0621 | | 1.2080 | 1.2080 | | 1.1959 | 1.1959 | 0.0000 | 6,011.4777 | 6,011.4777 | 1.9442 | | 6,060.0836 |
| Total | 1.6739 | 29.5808 | 36.5011 | 0.0621 | 9.2168 | 1.2080 | 10.4248 | 3.6558 | 1.1959 | 4.8516 | 0.0000 | 6,011.4777 | 6,011.4777 | 1.9442 | | 6,060.0836 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

3.2 Grading - 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 | 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 | 0.0555 | 0.0383 | 0.4579 | 1.3200e-003 | 0.1643 | 8.1000e-004 | 0.1651 | 0.0436 | 7.5000e-004 | 0.0443 | | 135.4366 | 135.4366 | 4.1800e-003 | 3.9800e-003 | 136.7273 |
| Total | 0.0555 | 0.0383 | 0.4579 | 1.3200e-003 | 0.1643 | 8.1000e-004 | 0.1651 | 0.0436 | 7.5000e-004 | 0.0443 | | 135.4366 | 135.4366 | 4.1800e-003 | 3.9800e-003 | 136.7273 |

3.3 Paving - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0327 | 10.1917 | 14.5842 | 0.0228 | | 0.5102 | 0.5102 | | 0.4694 | 0.4694 | | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |
| Paving | 0.6279 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.6607 | 10.1917 | 14.5842 | 0.0228 | | 0.5102 | 0.5102 | | 0.4694 | 0.4694 | | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

3.3 Paving - 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 | 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 | 0.0416 | 0.0288 | 0.3434 | 9.9000e-004 | 0.1232 | 6.1000e-004 | 0.1238 | 0.0327 | 5.6000e-004 | 0.0333 | | 101.5775 | 101.5775 | 3.1300e-003 | 2.9900e-003 | 102.5455 |
| Total | 0.0416 | 0.0288 | 0.3434 | 9.9000e-004 | 0.1232 | 6.1000e-004 | 0.1238 | 0.0327 | 5.6000e-004 | 0.0333 | | 101.5775 | 101.5775 | 3.1300e-003 | 2.9900e-003 | 102.5455 |

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 | 0.7397 | 11.5773 | 17.0325 | 0.0228 | | 0.5806 | 0.5806 | | 0.5664 | 0.5664 | 0.0000 | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |
| Paving | 0.6279 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.3676 | 11.5773 | 17.0325 | 0.0228 | | 0.5806 | 0.5806 | | 0.5664 | 0.5664 | 0.0000 | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

3.3 Paving - 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 | 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 | 0.0416 | 0.0288 | 0.3434 | 9.9000e-004 | 0.1232 | 6.1000e-004 | 0.1238 | 0.0327 | 5.6000e-004 | 0.0333 | | 101.5775 | 101.5775 | 3.1300e-003 | 2.9900e-003 | 102.5455 |
| Total | 0.0416 | 0.0288 | 0.3434 | 9.9000e-004 | 0.1232 | 6.1000e-004 | 0.1238 | 0.0327 | 5.6000e-004 | 0.0333 | | 101.5775 | 101.5775 | 3.1300e-003 | 2.9900e-003 | 102.5455 |

3.3 Paving - 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 | 0.9882 | 9.5246 | 14.6258 | 0.0228 | | 0.4685 | 0.4685 | | 0.4310 | 0.4310 | | 2,207.5472 | 2,207.5472 | 0.7140 | | 2,225.3963 |
| Paving | 0.6279 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.6161 | 9.5246 | 14.6258 | 0.0228 | | 0.4685 | 0.4685 | | 0.4310 | 0.4310 | | 2,207.5472 | 2,207.5472 | 0.7140 | | 2,225.3963 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

3.3 Paving - 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 | 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 | 0.0390 | 0.0257 | 0.3212 | 9.6000e-004 | 0.1232 | 5.8000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 99.0731 | 99.0731 | 2.8400e-003 | 2.7800e-003 | 99.9731 |
| Total | 0.0390 | 0.0257 | 0.3212 | 9.6000e-004 | 0.1232 | 5.8000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 99.0731 | 99.0731 | 2.8400e-003 | 2.7800e-003 | 99.9731 |

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 | 0.7237 | 11.4057 | 17.0282 | 0.0228 | | 0.5648 | 0.5648 | | 0.5519 | 0.5519 | 0.0000 | 2,207.547 2 | 2,207.547 2 | 0.7140 | | 2,225.396 3 |
| Paving | 0.6279 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.3516 | 11.4057 | 17.0282 | 0.0228 | | 0.5648 | 0.5648 | | 0.5519 | 0.5519 | 0.0000 | 2,207.547 2 | 2,207.547 2 | 0.7140 | | 2,225.396 3 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

3.3 Paving - 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 | 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 | 0.0390 | 0.0257 | 0.3212 | 9.6000e-004 | 0.1232 | 5.8000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 99.0731 | 99.0731 | 2.8400e-003 | 2.7800e-003 | 99.9731 |
| Total | 0.0390 | 0.0257 | 0.3212 | 9.6000e-004 | 0.1232 | 5.8000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 99.0731 | 99.0731 | 2.8400e-003 | 2.7800e-003 | 99.9731 |

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 | 1.4716 | 13.4438 | 16.1668 | 0.0270 | | 0.6133 | 0.6133 | | 0.5769 | 0.5769 | | 2,555.6989 | 2,555.6989 | 0.6044 | | 2,570.8077 |
| Total | 1.4716 | 13.4438 | 16.1668 | 0.0270 | | 0.6133 | 0.6133 | | 0.5769 | 0.5769 | | 2,555.6989 | 2,555.6989 | 0.6044 | | 2,570.8077 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 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 | 0.1804 | 8.0369 | 2.4549 | 0.0354 | 1.1988 | 0.0465 | 1.2453 | 0.3451 | 0.0445 | 0.3896 | | 3,794.575 1 | 3,794.575 1 | 0.0778 | 0.5615 | 3,963.838 2 |
| Worker | 1.1786 | 0.7752 | 9.7007 | 0.0290 | 3.7213 | 0.0176 | 3.7389 | 0.9871 | 0.0162 | 1.0032 | | 2,992.007 4 | 2,992.007 4 | 0.0859 | 0.0840 | 3,019.188 7 |
| Total | 1.3590 | 8.8121 | 12.1556 | 0.0644 | 4.9201 | 0.0641 | 4.9842 | 1.3322 | 0.0607 | 1.3929 | | 6,786.582 5 | 6,786.582 5 | 0.1637 | 0.6455 | 6,983.026 9 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.3053 | 12.7760 | 17.3019 | 0.0270 | | 0.5767 | 0.5767 | | 0.5505 | 0.5505 | 0.0000 | 2,555.698 9 | 2,555.698 9 | 0.6044 | | 2,570.807 7 |
| Total | 1.3053 | 12.7760 | 17.3019 | 0.0270 | | 0.5767 | 0.5767 | | 0.5505 | 0.5505 | 0.0000 | 2,555.698 9 | 2,555.698 9 | 0.6044 | | 2,570.807 7 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 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 | 0.1804 | 8.0369 | 2.4549 | 0.0354 | 1.1988 | 0.0465 | 1.2453 | 0.3451 | 0.0445 | 0.3896 | | 3,794.575 1 | 3,794.575 1 | 0.0778 | 0.5615 | 3,963.838 2 |
| Worker | 1.1786 | 0.7752 | 9.7007 | 0.0290 | 3.7213 | 0.0176 | 3.7389 | 0.9871 | 0.0162 | 1.0032 | | 2,992.007 4 | 2,992.007 4 | 0.0859 | 0.0840 | 3,019.188 7 |
| Total | 1.3590 | 8.8121 | 12.1556 | 0.0644 | 4.9201 | 0.0641 | 4.9842 | 1.3322 | 0.0607 | 1.3929 | | 6,786.582 5 | 6,786.582 5 | 0.1637 | 0.6455 | 6,983.026 9 |

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 | 33.5281 | | | | | 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 | 33.7088 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 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 | 0.2368 | 0.1557 | 1.9487 | 5.8300e-003 | 0.7475 | 3.5300e-003 | 0.7511 | 0.1983 | 3.2500e-003 | 0.2015 | | 601.0434 | 601.0434 | 0.0173 | 0.0169 | 606.5037 |
| Total | 0.2368 | 0.1557 | 1.9487 | 5.8300e-003 | 0.7475 | 3.5300e-003 | 0.7511 | 0.1983 | 3.2500e-003 | 0.2015 | | 601.0434 | 601.0434 | 0.0173 | 0.0169 | 606.5037 |

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 | 33.5281 | | | | | 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 | 33.7088 | 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 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 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 | 0.2368 | 0.1557 | 1.9487 | 5.8300e-003 | 0.7475 | 3.5300e-003 | 0.7511 | 0.1983 | 3.2500e-003 | 0.2015 | | 601.0434 | 601.0434 | 0.0173 | 0.0169 | 606.5037 |
| Total | 0.2368 | 0.1557 | 1.9487 | 5.8300e-003 | 0.7475 | 3.5300e-003 | 0.7511 | 0.1983 | 3.2500e-003 | 0.2015 | | 601.0434 | 601.0434 | 0.0173 | 0.0169 | 606.5037 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 | 3.0847 | 4.1484 | 34.5217 | 0.0748 | 8.7584 | 0.0537 | 8.8122 | 2.3328 | 0.0501 | 2.3829 | | 7,796.1900 | 7,796.1900 | 0.4504 | 0.3509 | 7,912.0113 |
| Unmitigated | 3.0847 | 4.1484 | 34.5217 | 0.0748 | 8.7584 | 0.0537 | 8.8122 | 2.3328 | 0.0501 | 2.3829 | | 7,796.1900 | 7,796.1900 | 0.4504 | 0.3509 | 7,912.0113 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|-----------------|-----------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 1,062.33 | 1,062.33 | 1,062.33 | 4,161,048 | 4,161,048 |
| Total | 1,062.33 | 1,062.33 | 1,062.33 | 4,161,048 | 4,161,048 |

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 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No Rail | 12.75 | 9.79 | 9.79 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Parking Lot | 0.553839 | 0.058700 | 0.188468 | 0.120786 | 0.022796 | 0.005663 | 0.010629 | 0.007566 | 0.000983 | 0.000556 | 0.026354 | 0.000841 | 0.002820 |
| Unrefrigerated Warehouse-No Rail | 0.553839 | 0.058700 | 0.188468 | 0.120786 | 0.022796 | 0.005663 | 0.010629 | 0.007566 | 0.000983 | 0.000556 | 0.026354 | 0.000841 | 0.002820 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| NaturalGas Unmitigated | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 7151.51 | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| Total | | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |

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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 7.15151 | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| Total | | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |

6.0 Area Detail

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|-------------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Unmitigated | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|----------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 2.2046 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 16.3517 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0146 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Total | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 | 2.2046 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 16.3517 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0146 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Total | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
| Forklifts | 30 | 8.00 | 260 | 89 | 0.20 | CNG |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

UnMitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|----------------|-----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | |
| Forklifts | 0.6013 | 28.7296 | 286.7803 | 0.0459 | | 0.5576 | 0.5576 | | 0.5576 | 0.5576 | 0.0000 | 5,799.0487 | 5,799.0487 | 1.8755 | | 5,845.9369 |
| Total | 0.6013 | 28.7296 | 286.7803 | 0.0459 | | 0.5576 | 0.5576 | | 0.5576 | 0.5576 | 0.0000 | 5,799.0487 | 5,799.0487 | 1.8755 | | 5,845.9369 |

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---------------------|--------|-----------|------------|-------------|-------------|-----------|
| Emergency Generator | 2 | 0.01 | 3 | 201 | 0.73 | Diesel |

Boilers

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

User Defined Equipment

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

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

10.1 Stationary Sources

Unmitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|---|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|------|---------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | | |
| Emergency Generator - Diesel (175 - 300 HP) | 6.6000e-003 | 0.0184 | 0.0168 | 3.0000e-005 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | | 3.3749 | 3.3749 | 4.7000e-004 | | | 3.3867 |
| Total | 6.6000e-003 | 0.0184 | 0.0168 | 3.0000e-005 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | | 3.3749 | 3.3749 | 4.7000e-004 | | | 3.3867 |

11.0 Vegetation

SMPs Project - SMP 40

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

Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

| Phase | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|------|-------|-------|------|--------------|---------------|----------|-----------|-----------|------|------|------|
| Percent Reduction | | | | | | | | | | | | |
| Architectural Coating | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Building Construction | 0.06 | 0.03 | -0.04 | 0.00 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading | 0.49 | 0.14 | -0.30 | 0.00 | 0.15 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving | 0.17 | -0.14 | -0.16 | 0.00 | -0.15 | -0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

OFFROAD Equipment Mitigation

SMPs Project - SMP 40**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

| Equipment Type | Fuel Type | Tier | Number Mitigated | Total Number of Equipment | DPF | Oxidation Catalyst |
|---------------------------|-----------|-----------|------------------|---------------------------|-----------|--------------------|
| Air Compressors | Diesel | No Change | 0 | 1 | No Change | 0.00 |
| Cranes | Diesel | Tier 3 | 1 | 1 | No Change | 0.00 |
| Excavators | Diesel | Tier 3 | 2 | 2 | No Change | 0.00 |
| Forklifts | Diesel | No Change | 0 | 3 | No Change | 0.00 |
| Generator Sets | Diesel | No Change | 0 | 1 | No Change | 0.00 |
| Graders | Diesel | Tier 3 | 1 | 1 | No Change | 0.00 |
| Pavers | Diesel | Tier 3 | 2 | 2 | No Change | 0.00 |
| Paving Equipment | Diesel | Tier 3 | 2 | 2 | No Change | 0.00 |
| Rollers | Diesel | No Change | 0 | 2 | No Change | 0.00 |
| Rubber Tired Dozers | Diesel | Tier 3 | 1 | 1 | No Change | 0.00 |
| Scrapers | Diesel | Tier 3 | 2 | 2 | No Change | 0.00 |
| Tractors/Loaders/Backhoes | Diesel | No Change | 0 | 5 | No Change | 0.00 |
| Welders | Diesel | No Change | 0 | 1 | No Change | 0.00 |

SMPs Project - SMP 40

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

| Equipment Type | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------------------|--------------|--------------|--------------|--------------|--------------|---------------|-------------------|--------------|--------------|--------------|--------------|--------------|
| Unmitigated tons/yr | | | | | | | Unmitigated mt/yr | | | | | |
| Air Compressors | 2.16900E-002 | 1.46260E-001 | 2.17220E-001 | 3.60000E-004 | 7.31000E-003 | 7.31000E-003 | 0.00000E+000 | 3.06390E+001 | 3.06390E+001 | 1.73000E-003 | 0.00000E+000 | 3.06822E+001 |
| Cranes | 3.48300E-002 | 3.67950E-001 | 1.86350E-001 | 6.10000E-004 | 1.53100E-002 | 1.40800E-002 | 0.00000E+000 | 5.32289E+001 | 5.32289E+001 | 1.72200E-002 | 0.00000E+000 | 5.36592E+001 |
| Excavators | 1.13200E-002 | 9.29200E-002 | 1.95470E-001 | 3.10000E-004 | 4.55000E-003 | 4.18000E-003 | 0.00000E+000 | 2.72213E+001 | 2.72213E+001 | 8.80000E-003 | 0.00000E+000 | 2.74414E+001 |
| Forklifts | 3.39100E-002 | 3.18070E-001 | 4.10150E-001 | 5.50000E-004 | 1.83700E-002 | 1.69000E-002 | 0.00000E+000 | 4.83449E+001 | 4.83449E+001 | 1.56400E-002 | 0.00000E+000 | 4.87358E+001 |
| Generator Sets | 3.42100E-002 | 3.05350E-001 | 4.39670E-001 | 7.90000E-004 | 1.32900E-002 | 1.32900E-002 | 0.00000E+000 | 6.78249E+001 | 6.78249E+001 | 2.74000E-003 | 0.00000E+000 | 6.78935E+001 |
| Graders | 1.15000E-002 | 1.39590E-001 | 5.07800E-002 | 2.00000E-004 | 4.52000E-003 | 4.16000E-003 | 0.00000E+000 | 1.74412E+001 | 1.74412E+001 | 5.64000E-003 | 0.00000E+000 | 1.75822E+001 |
| Pavers | 5.72000E-003 | 5.59200E-002 | 8.65300E-002 | 1.40000E-004 | 2.63000E-003 | 2.42000E-003 | 0.00000E+000 | 1.23888E+001 | 1.23888E+001 | 4.01000E-003 | 0.00000E+000 | 1.24890E+001 |
| Paving Equipment | 5.10000E-003 | 4.76600E-002 | 7.67500E-002 | 1.20000E-004 | 2.32000E-003 | 2.13000E-003 | 0.00000E+000 | 1.07356E+001 | 1.07356E+001 | 3.47000E-003 | 0.00000E+000 | 1.08224E+001 |
| Rollers | 4.58000E-003 | 4.79600E-002 | 5.55600E-002 | 8.00000E-005 | 2.63000E-003 | 2.42000E-003 | 0.00000E+000 | 6.91582E+000 | 6.91582E+000 | 2.24000E-003 | 0.00000E+000 | 6.97173E+000 |
| Rubber Tired Dozers | 2.05400E-002 | 2.13810E-001 | 9.31900E-002 | 2.60000E-004 | 9.63000E-003 | 8.86000E-003 | 0.00000E+000 | 2.25073E+001 | 2.25073E+001 | 7.28000E-003 | 0.00000E+000 | 2.26893E+001 |
| Scrapers | 4.72100E-002 | 4.97000E-001 | 3.68220E-001 | 9.10000E-004 | 1.94900E-002 | 1.79300E-002 | 0.00000E+000 | 8.00207E+001 | 8.00207E+001 | 2.58800E-002 | 0.00000E+000 | 8.06677E+001 |
| Tractors/Loaders/Backhoes | 5.44200E-002 | 5.48340E-001 | 8.38090E-001 | 1.17000E-003 | 2.54900E-002 | 2.34500E-002 | 0.00000E+000 | 1.02649E+002 | 1.02649E+002 | 3.32000E-002 | 0.00000E+000 | 1.03479E+002 |
| Welders | 2.83000E-002 | 1.65690E-001 | 1.99640E-001 | 3.10000E-004 | 5.70000E-003 | 5.70000E-003 | 0.00000E+000 | 2.25865E+001 | 2.25865E+001 | 2.31000E-003 | 0.00000E+000 | 2.26441E+001 |

SMPs Project - SMP 40

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

| Equipment Type | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|--------------|--------------|--------------|--------------|--------------|---------------|-----------------|--------------|--------------|--------------|--------------|--------------|
| Mitigated tons/yr | | | | | | | Mitigated mt/yr | | | | | |
| Air Compressors | 2.16900E-002 | 1.46260E-001 | 2.17210E-001 | 3.60000E-004 | 7.31000E-003 | 7.31000E-003 | 0.00000E+000 | 3.06390E+001 | 3.06390E+001 | 1.73000E-003 | 0.00000E+000 | 3.06821E+001 |
| Cranes | 1.48900E-002 | 2.87810E-001 | 3.22550E-001 | 6.10000E-004 | 1.09200E-002 | 1.09200E-002 | 0.00000E+000 | 5.32288E+001 | 5.32288E+001 | 1.72200E-002 | 0.00000E+000 | 5.36592E+001 |
| Excavators | 7.62000E-003 | 1.47400E-001 | 2.35080E-001 | 3.10000E-004 | 7.12000E-003 | 7.12000E-003 | 0.00000E+000 | 2.72213E+001 | 2.72213E+001 | 8.80000E-003 | 0.00000E+000 | 2.74414E+001 |
| Forklifts | 3.39100E-002 | 3.18070E-001 | 4.10150E-001 | 5.50000E-004 | 1.83700E-002 | 1.69000E-002 | 0.00000E+000 | 4.83448E+001 | 4.83448E+001 | 1.56400E-002 | 0.00000E+000 | 4.87357E+001 |
| Generator Sets | 3.42000E-002 | 3.05350E-001 | 4.39670E-001 | 7.90000E-004 | 1.32900E-002 | 1.32900E-002 | 0.00000E+000 | 6.78248E+001 | 6.78248E+001 | 2.74000E-003 | 0.00000E+000 | 6.78934E+001 |
| Graders | 4.87000E-003 | 9.41100E-002 | 1.05470E-001 | 2.00000E-004 | 3.57000E-003 | 3.57000E-003 | 0.00000E+000 | 1.74412E+001 | 1.74412E+001 | 5.64000E-003 | 0.00000E+000 | 1.75822E+001 |
| Pavers | 3.47000E-003 | 6.70200E-002 | 1.06890E-001 | 1.40000E-004 | 3.24000E-003 | 3.24000E-003 | 0.00000E+000 | 1.23888E+001 | 1.23888E+001 | 4.01000E-003 | 0.00000E+000 | 1.24889E+001 |
| Paving Equipment | 3.02000E-003 | 5.83300E-002 | 9.30300E-002 | 1.20000E-004 | 2.82000E-003 | 2.82000E-003 | 0.00000E+000 | 1.07356E+001 | 1.07356E+001 | 3.47000E-003 | 0.00000E+000 | 1.08224E+001 |
| Rollers | 4.58000E-003 | 4.79600E-002 | 5.55600E-002 | 8.00000E-005 | 2.63000E-003 | 2.42000E-003 | 0.00000E+000 | 6.91581E+000 | 6.91581E+000 | 2.24000E-003 | 0.00000E+000 | 6.97173E+000 |
| Rubber Tired Dozers | 6.27000E-003 | 1.21280E-001 | 1.35920E-001 | 2.60000E-004 | 4.60000E-003 | 4.60000E-003 | 0.00000E+000 | 2.25073E+001 | 2.25073E+001 | 7.28000E-003 | 0.00000E+000 | 2.26892E+001 |
| Scrapers | 2.23700E-002 | 4.32480E-001 | 4.84680E-001 | 9.10000E-004 | 1.64000E-002 | 1.64000E-002 | 0.00000E+000 | 8.00206E+001 | 8.00206E+001 | 2.58800E-002 | 0.00000E+000 | 8.06676E+001 |
| Tractors/Loaders/Balckhoes | 5.44200E-002 | 5.48340E-001 | 8.38090E-001 | 1.17000E-003 | 2.54900E-002 | 2.34500E-002 | 0.00000E+000 | 1.02649E+002 | 1.02649E+002 | 3.32000E-002 | 0.00000E+000 | 1.03479E+002 |
| Welders | 2.83000E-002 | 1.65690E-001 | 1.99640E-001 | 3.10000E-004 | 5.70000E-003 | 5.70000E-003 | 0.00000E+000 | 2.25865E+001 | 2.25865E+001 | 2.31000E-003 | 0.00000E+000 | 2.26441E+001 |

SMPs Project - SMP 40

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

| Equipment Type | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|--------------|---------------|---------------|--------------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Percent Reduction | | | | | | | | | | | | |
| Air Compressors | 0.00000E+000 | 0.00000E+000 | 4.60363E-005 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 9.79143E-007 | 9.79143E-007 | 0.00000E+000 | 0.00000E+000 | 1.30369E-006 |
| Cranes | 5.72495E-001 | 2.17801E-001 | -7.30883E-001 | 0.00000E+000 | 2.86741E-001 | 2.24432E-001 | 0.00000E+000 | 1.31508E-006 | 1.31508E-006 | 0.00000E+000 | 0.00000E+000 | 1.11817E-006 |
| Excavators | 3.26855E-001 | -5.86311E-001 | -2.02640E-001 | 0.00000E+000 | -5.64835E-001 | -7.03349E-001 | 0.00000E+000 | 1.10208E-006 | 1.10208E-006 | 0.00000E+000 | 0.00000E+000 | 1.09324E-006 |
| Forklifts | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.24108E-006 | 1.24108E-006 | 0.00000E+000 | 0.00000E+000 | 1.02594E-006 |
| Generator Sets | 2.92312E-004 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.17951E-006 | 1.17951E-006 | 0.00000E+000 | 0.00000E+000 | 1.17832E-006 |
| Graders | 5.76522E-001 | 3.25811E-001 | -1.07700E+000 | 0.00000E+000 | 2.10177E-001 | 1.41827E-001 | 0.00000E+000 | 1.14671E-006 | 1.14671E-006 | 0.00000E+000 | 0.00000E+000 | 1.13751E-006 |
| Pavers | 3.93357E-001 | -1.98498E-001 | -2.35294E-001 | 0.00000E+000 | -2.31939E-001 | -3.38843E-001 | 0.00000E+000 | 1.61436E-006 | 1.61436E-006 | 0.00000E+000 | 0.00000E+000 | 1.60141E-006 |
| Paving Equipment | 4.07843E-001 | -2.23877E-001 | -2.12117E-001 | 0.00000E+000 | -2.15517E-001 | -3.23944E-001 | 0.00000E+000 | 9.31478E-007 | 9.31478E-007 | 0.00000E+000 | 0.00000E+000 | 9.24007E-007 |
| Rollers | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.44596E-006 | 1.44596E-006 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 |
| Rubber Tired Dozers | 6.94742E-001 | 4.32767E-001 | -4.58526E-001 | 0.00000E+000 | 5.22326E-001 | 4.80813E-001 | 0.00000E+000 | 8.88602E-007 | 8.88602E-007 | 0.00000E+000 | 0.00000E+000 | 1.32221E-006 |
| Scrapers | 5.26160E-001 | 1.29819E-001 | -3.16278E-001 | 0.00000E+000 | 1.58543E-001 | 8.53318E-002 | 0.00000E+000 | 1.12471E-006 | 1.12471E-006 | 0.00000E+000 | 0.00000E+000 | 1.11569E-006 |
| Tractors/Loaders/Balckhoes | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.16903E-006 | 1.16903E-006 | 0.00000E+000 | 0.00000E+000 | 1.15966E-006 |
| Welders | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.32823E-006 | 1.32823E-006 | 0.00000E+000 | 0.00000E+000 | 8.83232E-007 |

Fugitive Dust Mitigation

Yes/No Mitigation Measure Mitigation Input Mitigation Input Mitigation Input

| | | | | | |
|----|-----------------------------------|----------------|------|-----------------|------|
| No | Soil Stabilizer for unpaved Roads | PM10 Reduction | 0.00 | PM2.5 Reduction | 0.00 |
|----|-----------------------------------|----------------|------|-----------------|------|

SMPs Project - SMP 40

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

| | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Consumer Products | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hearth | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Landscaping | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mobile | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Natural Gas | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Water Indoor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Water Outdoor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Operational Mobile Mitigation

Project Setting: Suburban Center

| Mitigation | Category | Measure | % Reduction | Input Value 1 | Input Value 2 | Input Value 3 |
|------------|---------------------------|-------------------------------------|-------------|---------------|---------------|---------------|
| No | Land Use | Increase Density | 0.00 | 0.00 | 0.00 | |
| No | Land Use | Increase Diversity | 0.07 | 0.27 | | |
| No | Land Use | Improve Walkability Design | 0.00 | 0.00 | | |
| No | Land Use | Improve Destination Accessibility | 0.00 | 0.00 | | |
| No | Land Use | Increase Transit Accessibility | 0.25 | | | |
| No | Land Use | Integrate Below Market Rate Housing | 0.00 | 0.00 | | |
| | Land Use | Land Use SubTotal | 0.00 | | | |
| No | Neighborhood Enhancements | Improve Pedestrian Network | 1.00 | Project Site | | |
| No | Neighborhood Enhancements | Provide Traffic Calming Measures | | | | |

SMPs Project - SMP 40

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

| | | | | | |
|----|---------------------------|--|-------|------|------|
| No | Neighborhood Enhancements | Implement NEV Network | 0.00 | | |
| | Neighborhood Enhancements | Neighborhood Enhancements Subtotal | 0.00 | | |
| No | Parking Policy Pricing | Limit Parking Supply | 0.00 | 0.00 | |
| No | Parking Policy Pricing | Unbundle Parking Costs | 0.00 | 0.00 | |
| No | Parking Policy Pricing | On-street Market Pricing | 0.00 | 0.00 | |
| | Parking Policy Pricing | Parking Policy Pricing Subtotal | 0.00 | | |
| No | Transit Improvements | Provide BRT System | 0.00 | 0.00 | |
| No | Transit Improvements | Expand Transit Network | 0.00 | 0.00 | |
| No | Transit Improvements | Increase Transit Frequency | 0.00 | | 0.00 |
| | Transit Improvements | Transit Improvements Subtotal | 0.00 | | |
| | | Land Use and Site Enhancement Subtotal | 0.00 | | |
| No | Commute | Implement Trip Reduction Program | | | |
| No | Commute | Transit Subsidy | | | |
| No | Commute | Implement Employee Parking "Cash Out" | 4.50 | | |
| No | Commute | Workplace Parking Charge | | 0.00 | |
| No | Commute | Encourage Telecommuting and Alternative Work Schedules | 0.00 | | |
| No | Commute | Market Commute Trip Reduction Option | 0.00 | | |
| No | Commute | Employee Vanpool/Shuttle | 0.00 | | 2.00 |
| No | Commute | Provide Ride Sharing Program | 10.00 | | |
| | Commute | Commute Subtotal | 0.00 | | |
| No | School Trip | Implement School Bus Program | 0.00 | | |

SMPs Project - SMP 40

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

| | | | | |
|--|---------------------|------|--|--|
| | Total VMT Reduction | 0.00 | | |
|--|---------------------|------|--|--|

Area Mitigation

| Measure Implemented | Mitigation Measure | Input Value |
|---------------------|--|-------------|
| No | Only Natural Gas Hearth | |
| No | No Hearth | |
| No | Use Low VOC Cleaning Supplies | |
| No | Use Low VOC Paint (Residential Interior) | 100.00 |
| No | Use Low VOC Paint (Residential Exterior) | 150.00 |
| No | Use Low VOC Paint (Non-residential Interior) | 100.00 |
| No | Use Low VOC Paint (Non-residential Exterior) | 150.00 |
| No | Use Low VOC Paint (Parking) | 150.00 |
| No | % Electric Lawnmower | |
| No | % Electric Leafblower | |
| No | % Electric Chainsaw | |

Energy Mitigation Measures

| Measure Implemented | Mitigation Measure | Input Value 1 | Input Value 2 |
|---------------------|----------------------------------|---------------|---------------|
| No | Exceed Title 24 | | |
| No | Install High Efficiency Lighting | | |
| No | On-site Renewable | | |

SMPs Project - SMP 40

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

| Appliance Type | Land Use Subtype | % Improvement |
|----------------|------------------|---------------|
| ClothWasher | | 30.00 |
| DishWasher | | 15.00 |
| Fan | | 50.00 |
| Refrigerator | | 15.00 |

Water Mitigation Measures

| Measure Implemented | Mitigation Measure | Input Value 1 | Input Value 2 |
|---------------------|--|---------------|---------------|
| Yes | Apply Water Conservation on Strategy | 0.00 | 20.00 |
| No | Use Reclaimed Water | 0.00 | 0.00 |
| No | Use Grey Water | 0.00 | |
| No | Install low-flow bathroom faucet | 32.00 | |
| No | Install low-flow Kitchen faucet | 18.00 | |
| No | Install low-flow Toilet | 20.00 | |
| No | Install low-flow Shower | 20.00 | |
| No | Turf Reduction | 0.00 | |
| No | Use Water Efficient Irrigation Systems | 6.10 | |
| No | Water Efficient Landscape | 0.00 | 0.00 |

Solid Waste Mitigation

| Mitigation Measures | Input Value |
|---------------------|-------------|
|---------------------|-------------|

SMPs Project - SMP 40

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

| | |
|--|--|
| Institute Recycling and Composting Services Percent Reduction in Waste Disposed | |
|--|--|

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

SMPs Project - SMP 40

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1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 758.81 | 1000sqft | 33.31 | 758,808.00 | 0 |
| Parking Lot | 799.00 | Space | 7.19 | 319,600.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 64 |
| Climate Zone | 4 | | | Operational Year | 2025 |
| Utility Company | Pacific Gas and Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 203.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to represent total project site acreage.

Construction Phase - Phase timing adjusted based on applicant provided information. Architectural coating assumed to start two weeks after building construction and last for the same duration.

Trips and VMT - Import of soil during grading would be from adjoining property, hauling truck trips on local streets would not occur.

Grading - Based on AQ Questionnaire.

Vehicle Trips - Based on project-specific trip rates provided in TIS prepared by TJKM.

Construction Off-road Equipment Mitigation - Based on compliance with AQ mitigation in EIR.

Mobile Land Use Mitigation -

Water Mitigation - Compliant with MWEL0.

Operational Off-Road Equipment - Fuel type adjusted to be electric as required by Mitigation Measure 4.2-2 of EIR.

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

Stationary Sources - Emergency Generators and Fire Pumps - Based on applicant provided info.

| Table Name | Column Name | Default Value | New Value |
|-------------------------|----------------------------|---------------|--------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 5.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstructionPhase | NumDays | 55.00 | 240.00 |

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

| | | | |
|---------------------------------|----------------------------|------------|------------|
| tblConstructionPhase | NumDays | 740.00 | 240.00 |
| tblConstructionPhase | NumDays | 75.00 | 60.00 |
| tblConstructionPhase | NumDays | 55.00 | 30.00 |
| tblGrading | MaterialImported | 0.00 | 7,000.00 |
| tblLandUse | LandUseSquareFeet | 758,810.00 | 758,808.00 |
| tblLandUse | LotAcreage | 17.42 | 33.31 |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | Electrical |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 30.00 |
| tblStationaryGeneratorsPumpsUse | HorsePowerValue | 0.00 | 201.00 |
| tblStationaryGeneratorsPumpsUse | HoursPerDay | 0.00 | 0.01 |
| tblStationaryGeneratorsPumpsUse | HoursPerYear | 0.00 | 3.00 |
| tblStationaryGeneratorsPumpsUse | NumberOfEquipment | 0.00 | 2.00 |
| tblTripsAndVMT | HaulingTripNumber | 875.00 | 0.00 |
| tblVehicleTrips | CC_TL | 7.30 | 9.79 |
| tblVehicleTrips | CNW_TL | 7.30 | 9.79 |
| tblVehicleTrips | CW_TL | 9.50 | 12.75 |
| tblVehicleTrips | ST_TR | 1.74 | 1.40 |
| tblVehicleTrips | SU_TR | 1.74 | 1.40 |
| tblVehicleTrips | WD_TR | 1.74 | 1.40 |

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 | | | | | |
| 2023 | 0.1233 | 1.1694 | 1.0488 | 2.2100e-003 | 0.2828 | 0.0494 | 0.3322 | 0.1113 | 0.0455 | 0.1568 | 0.0000 | 194.5640 | 194.5640 | 0.0615 | 1.4000e-004 | 196.1411 |
| 2024 | 4.4033 | 2.8255 | 3.8288 | 0.0121 | 0.6554 | 0.0900 | 0.7454 | 0.1776 | 0.0851 | 0.2627 | 0.0000 | 1,120.0862 | 1,120.0862 | 0.0879 | 0.0714 | 1,143.5563 |
| Maximum | 4.4033 | 2.8255 | 3.8288 | 0.0121 | 0.6554 | 0.0900 | 0.7454 | 0.1776 | 0.0851 | 0.2627 | 0.0000 | 1,120.0862 | 1,120.0862 | 0.0879 | 0.0714 | 1,143.5563 |

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 | | | | | |
| 2023 | 0.0367 | 0.1162 | 1.2325 | 2.2100e-003 | 0.2828 | 3.5600e-003 | 0.2864 | 0.1113 | 3.5600e-003 | 0.1149 | 0.0000 | 194.5638 | 194.5638 | 0.0615 | 1.4000e-004 | 196.1409 |
| 2024 | 4.2465 | 1.3330 | 3.9921 | 0.0121 | 0.6554 | 0.0136 | 0.6690 | 0.1776 | 0.0131 | 0.1907 | 0.0000 | 1,120.0858 | 1,120.0858 | 0.0879 | 0.0714 | 1,143.5559 |
| Maximum | 4.2465 | 1.3330 | 3.9921 | 0.0121 | 0.6554 | 0.0136 | 0.6690 | 0.1776 | 0.0131 | 0.1907 | 0.0000 | 1,120.0858 | 1,120.0858 | 0.0879 | 0.0714 | 1,143.5559 |

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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 | 5.38 | 63.72 | -7.11 | 0.00 | 0.00 | 87.72 | 11.34 | 0.00 | 87.23 | 27.14 | 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 | 9-1-2023 | 11-30-2023 | 1.1676 | 0.1301 |
| 2 | 12-1-2023 | 2-29-2024 | 1.1795 | 0.7933 |
| 3 | 3-1-2024 | 5-31-2024 | 1.9706 | 1.5239 |
| 4 | 6-1-2024 | 8-31-2024 | 1.9634 | 1.5167 |
| 5 | 9-1-2024 | 9-30-2024 | 0.6402 | 0.4946 |
| | | Highest | 1.9706 | 1.5239 |

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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 | 3.3878 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0278 | 0.0278 | 7.0000e-005 | 0.0000 | 0.0297 |
| Energy | 0.0141 | 0.1280 | 0.1075 | 7.7000e-004 | | 9.7200e-003 | 9.7200e-003 | | 9.7200e-003 | 9.7200e-003 | 0.0000 | 395.3725 | 395.3725 | 0.0441 | 7.5800e-003 | 398.7324 |
| Mobile | 0.5571 | 0.7149 | 5.9502 | 0.0137 | 1.5338 | 9.7700e-003 | 1.5435 | 0.4098 | 9.1000e-003 | 0.4189 | 0.0000 | 1,293.5880 | 1,293.5880 | 0.0710 | 0.0558 | 1,312.0036 |
| Offroad | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Stationary | 9.9000e-004 | 2.7700e-003 | 2.5200e-003 | 0.0000 | | 1.5000e-004 | 1.5000e-004 | | 1.5000e-004 | 1.5000e-004 | 0.0000 | 0.4592 | 0.4592 | 6.0000e-005 | 0.0000 | 0.4609 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 144.7894 | 0.0000 | 144.7894 | 8.5568 | 0.0000 | 358.7096 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 55.6701 | 87.8508 | 143.5209 | 5.7321 | 0.1367 | 327.5690 |
| Total | 3.9600 | 0.8458 | 6.0745 | 0.0145 | 1.5338 | 0.0197 | 1.5534 | 0.4098 | 0.0190 | 0.4288 | 200.4595 | 1,777.2984 | 1,977.7578 | 14.4041 | 0.2002 | 2,397.5051 |

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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 | 3.3878 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0278 | 0.0278 | 7.0000e-005 | 0.0000 | 0.0297 |
| Energy | 0.0141 | 0.1280 | 0.1075 | 7.7000e-004 | | 9.7200e-003 | 9.7200e-003 | | 9.7200e-003 | 9.7200e-003 | 0.0000 | 395.3725 | 395.3725 | 0.0441 | 7.5800e-003 | 398.7324 |
| Mobile | 0.5571 | 0.7149 | 5.9502 | 0.0137 | 1.5338 | 9.7700e-003 | 1.5435 | 0.4098 | 9.1000e-003 | 0.4189 | 0.0000 | 1,293.5880 | 1,293.5880 | 0.0710 | 0.0558 | 1,312.0036 |
| Offroad | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Stationary | 9.9000e-004 | 2.7700e-003 | 2.5200e-003 | 0.0000 | | 1.5000e-004 | 1.5000e-004 | | 1.5000e-004 | 1.5000e-004 | 0.0000 | 0.4592 | 0.4592 | 6.0000e-005 | 0.0000 | 0.4609 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 144.7894 | 0.0000 | 144.7894 | 8.5568 | 0.0000 | 358.7096 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 55.6701 | 87.8508 | 143.5209 | 5.7321 | 0.1367 | 327.5690 |
| Total | 3.9600 | 0.8458 | 6.0745 | 0.0145 | 1.5338 | 0.0197 | 1.5534 | 0.4098 | 0.0190 | 0.4288 | 200.4595 | 1,777.2984 | 1,977.7578 | 14.4041 | 0.2002 | 2,397.5051 |

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

3.0 Construction Detail

Construction Phase

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

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Grading | Grading | 9/1/2023 | 11/23/2023 | 5 | 60 | |
| 2 | Paving | Paving | 11/24/2023 | 1/4/2024 | 5 | 30 | |
| 3 | Building Construction | Building Construction | 1/5/2024 | 12/5/2024 | 5 | 240 | |
| 4 | Architectural Coating | Architectural Coating | 1/19/2024 | 12/19/2024 | 5 | 240 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 180

Acres of Paving: 7.19

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,138,212; Non-Residential Outdoor: 379,404; Striped Parking Area: 19,176 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Grading | Excavators | 2 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

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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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Grading | 8 | 20.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 453.00 | 177.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 91.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Grading - 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 | | | | | |
| Fugitive Dust | | | | | 0.2765 | 0.0000 | 0.2765 | 0.1097 | 0.0000 | 0.1097 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0997 | 1.0355 | 0.8415 | 1.8600e-003 | | 0.0427 | 0.0427 | | 0.0393 | 0.0393 | 0.0000 | 163.6056 | 163.6056 | 0.0529 | 0.0000 | 164.9285 |
| Total | 0.0997 | 1.0355 | 0.8415 | 1.8600e-003 | 0.2765 | 0.0427 | 0.3192 | 0.1097 | 0.0393 | 0.1490 | 0.0000 | 163.6056 | 163.6056 | 0.0529 | 0.0000 | 164.9285 |

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

3.2 Grading - 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 1.5400e-003 | 1.0500e-003 | 0.0133 | 4.0000e-005 | 4.7400e-003 | 2.0000e-005 | 4.7700e-003 | 1.2600e-003 | 2.0000e-005 | 1.2800e-003 | 0.0000 | 3.7158 | 3.7158 | 1.1000e-004 | 1.0000e-004 | 3.7489 |
| Total | 1.5400e-003 | 1.0500e-003 | 0.0133 | 4.0000e-005 | 4.7400e-003 | 2.0000e-005 | 4.7700e-003 | 1.2600e-003 | 2.0000e-005 | 1.2800e-003 | 0.0000 | 3.7158 | 3.7158 | 1.1000e-004 | 1.0000e-004 | 3.7489 |

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 | | | | | 0.2765 | 0.0000 | 0.2765 | 0.1097 | 0.0000 | 0.1097 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0229 | 0.0990 | 0.9900 | 1.8600e-003 | | 3.0500e-003 | 3.0500e-003 | | 3.0500e-003 | 3.0500e-003 | 0.0000 | 163.6054 | 163.6054 | 0.0529 | 0.0000 | 164.9283 |
| Total | 0.0229 | 0.0990 | 0.9900 | 1.8600e-003 | 0.2765 | 3.0500e-003 | 0.2796 | 0.1097 | 3.0500e-003 | 0.1127 | 0.0000 | 163.6054 | 163.6054 | 0.0529 | 0.0000 | 164.9283 |

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

3.2 Grading - 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 1.5400e-003 | 1.0500e-003 | 0.0133 | 4.0000e-005 | 4.7400e-003 | 2.0000e-005 | 4.7700e-003 | 1.2600e-003 | 2.0000e-005 | 1.2800e-003 | 0.0000 | 3.7158 | 3.7158 | 1.1000e-004 | 1.0000e-004 | 3.7489 |
| Total | 1.5400e-003 | 1.0500e-003 | 0.0133 | 4.0000e-005 | 4.7400e-003 | 2.0000e-005 | 4.7700e-003 | 1.2600e-003 | 2.0000e-005 | 1.2800e-003 | 0.0000 | 3.7158 | 3.7158 | 1.1000e-004 | 1.0000e-004 | 3.7489 |

3.3 Paving - 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 | 0.0134 | 0.1325 | 0.1896 | 3.0000e-004 | | 6.6300e-003 | 6.6300e-003 | | 6.1000e-003 | 6.1000e-003 | 0.0000 | 26.0349 | 26.0349 | 8.4200e-003 | 0.0000 | 26.2454 |
| Paving | 8.1600e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0216 | 0.1325 | 0.1896 | 3.0000e-004 | | 6.6300e-003 | 6.6300e-003 | | 6.1000e-003 | 6.1000e-003 | 0.0000 | 26.0349 | 26.0349 | 8.4200e-003 | 0.0000 | 26.2454 |

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

3.3 Paving - 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 5.0000e-004 | 3.4000e-004 | 4.3200e-003 | 1.0000e-005 | 1.5400e-003 | 1.0000e-005 | 1.5500e-003 | 4.1000e-004 | 1.0000e-005 | 4.2000e-004 | 0.0000 | 1.2076 | 1.2076 | 3.0000e-005 | 3.0000e-005 | 1.2184 |
| Total | 5.0000e-004 | 3.4000e-004 | 4.3200e-003 | 1.0000e-005 | 1.5400e-003 | 1.0000e-005 | 1.5500e-003 | 4.1000e-004 | 1.0000e-005 | 4.2000e-004 | 0.0000 | 1.2076 | 1.2076 | 3.0000e-005 | 3.0000e-005 | 1.2184 |

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 | 3.6500e-003 | 0.0158 | 0.2248 | 3.0000e-004 | | 4.9000e-004 | 4.9000e-004 | | 4.9000e-004 | 4.9000e-004 | 0.0000 | 26.0349 | 26.0349 | 8.4200e-003 | 0.0000 | 26.2454 |
| Paving | 8.1600e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0118 | 0.0158 | 0.2248 | 3.0000e-004 | | 4.9000e-004 | 4.9000e-004 | | 4.9000e-004 | 4.9000e-004 | 0.0000 | 26.0349 | 26.0349 | 8.4200e-003 | 0.0000 | 26.2454 |

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

3.3 Paving - 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 5.0000e-004 | 3.4000e-004 | 4.3200e-003 | 1.0000e-005 | 1.5400e-003 | 1.0000e-005 | 1.5500e-003 | 4.1000e-004 | 1.0000e-005 | 4.2000e-004 | 0.0000 | 1.2076 | 1.2076 | 3.0000e-005 | 3.0000e-005 | 1.2184 |
| Total | 5.0000e-004 | 3.4000e-004 | 4.3200e-003 | 1.0000e-005 | 1.5400e-003 | 1.0000e-005 | 1.5500e-003 | 4.1000e-004 | 1.0000e-005 | 4.2000e-004 | 0.0000 | 1.2076 | 1.2076 | 3.0000e-005 | 3.0000e-005 | 1.2184 |

3.3 Paving - 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 | 1.9800e-003 | 0.0191 | 0.0293 | 5.0000e-005 | | 9.4000e-004 | 9.4000e-004 | | 8.6000e-004 | 8.6000e-004 | 0.0000 | 4.0053 | 4.0053 | 1.3000e-003 | 0.0000 | 4.0377 |
| Paving | 1.2600e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 3.2400e-003 | 0.0191 | 0.0293 | 5.0000e-005 | | 9.4000e-004 | 9.4000e-004 | | 8.6000e-004 | 8.6000e-004 | 0.0000 | 4.0053 | 4.0053 | 1.3000e-003 | 0.0000 | 4.0377 |

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

3.3 Paving - 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 | 7.0000e-005 | 5.0000e-005 | 6.2000e-004 | 0.0000 | 2.4000e-004 | 0.0000 | 2.4000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1812 | 0.1812 | 0.0000 | 0.0000 | 0.1827 |
| Total | 7.0000e-005 | 5.0000e-005 | 6.2000e-004 | 0.0000 | 2.4000e-004 | 0.0000 | 2.4000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1812 | 0.1812 | 0.0000 | 0.0000 | 0.1827 |

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 | 5.6000e-004 | 2.4300e-003 | 0.0346 | 5.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | 0.0000 | 4.0053 | 4.0053 | 1.3000e-003 | 0.0000 | 4.0377 |
| Paving | 1.2600e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 1.8200e-003 | 2.4300e-003 | 0.0346 | 5.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | 0.0000 | 4.0053 | 4.0053 | 1.3000e-003 | 0.0000 | 4.0377 |

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

3.3 Paving - 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 | 7.0000e-005 | 5.0000e-005 | 6.2000e-004 | 0.0000 | 2.4000e-004 | 0.0000 | 2.4000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1812 | 0.1812 | 0.0000 | 0.0000 | 0.1827 |
| Total | 7.0000e-005 | 5.0000e-005 | 6.2000e-004 | 0.0000 | 2.4000e-004 | 0.0000 | 2.4000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1812 | 0.1812 | 0.0000 | 0.0000 | 0.1827 |

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 | 0.1766 | 1.6133 | 1.9400 | 3.2300e-003 | | 0.0736 | 0.0736 | | 0.0692 | 0.0692 | 0.0000 | 278.2189 | 278.2189 | 0.0658 | 0.0000 | 279.8637 |
| Total | 0.1766 | 1.6133 | 1.9400 | 3.2300e-003 | | 0.0736 | 0.0736 | | 0.0692 | 0.0692 | 0.0000 | 278.2189 | 278.2189 | 0.0658 | 0.0000 | 279.8637 |

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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 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 | 0.0220 | 0.9448 | 0.2892 | 4.2400e-003 | 0.1394 | 5.5700e-003 | 0.1449 | 0.0403 | 5.3300e-003 | 0.0456 | 0.0000 | 412.7347 | 412.7347 | 8.5000e-003 | 0.0611 | 431.1390 |
| Worker | 0.1302 | 0.0850 | 1.1263 | 3.5100e-003 | 0.4295 | 2.1100e-003 | 0.4317 | 0.1143 | 1.9400e-003 | 0.1162 | 0.0000 | 328.3475 | 328.3475 | 8.7800e-003 | 8.6100e-003 | 331.1322 |
| Total | 0.1522 | 1.0298 | 1.4155 | 7.7500e-003 | 0.5689 | 7.6800e-003 | 0.5766 | 0.1546 | 7.2700e-003 | 0.1619 | 0.0000 | 741.0822 | 741.0822 | 0.0173 | 0.0697 | 762.2711 |

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 | 0.0393 | 0.2682 | 2.0952 | 3.2300e-003 | | 4.8900e-003 | 4.8900e-003 | | 4.8900e-003 | 4.8900e-003 | 0.0000 | 278.2186 | 278.2186 | 0.0658 | 0.0000 | 279.8634 |
| Total | 0.0393 | 0.2682 | 2.0952 | 3.2300e-003 | | 4.8900e-003 | 4.8900e-003 | | 4.8900e-003 | 4.8900e-003 | 0.0000 | 278.2186 | 278.2186 | 0.0658 | 0.0000 | 279.8634 |

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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 | 0.0220 | 0.9448 | 0.2892 | 4.2400e-003 | 0.1394 | 5.5700e-003 | 0.1449 | 0.0403 | 5.3300e-003 | 0.0456 | 0.0000 | 412.7347 | 412.7347 | 8.5000e-003 | 0.0611 | 431.1390 |
| Worker | 0.1302 | 0.0850 | 1.1263 | 3.5100e-003 | 0.4295 | 2.1100e-003 | 0.4317 | 0.1143 | 1.9400e-003 | 0.1162 | 0.0000 | 328.3475 | 328.3475 | 8.7800e-003 | 8.6100e-003 | 331.1322 |
| Total | 0.1522 | 1.0298 | 1.4155 | 7.7500e-003 | 0.5689 | 7.6800e-003 | 0.5766 | 0.1546 | 7.2700e-003 | 0.1619 | 0.0000 | 741.0822 | 741.0822 | 0.0173 | 0.0697 | 762.2711 |

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 | 4.0234 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0217 | 0.1463 | 0.2172 | 3.6000e-004 | | 7.3100e-003 | 7.3100e-003 | | 7.3100e-003 | 7.3100e-003 | 0.0000 | 30.6390 | 30.6390 | 1.7300e-003 | 0.0000 | 30.6822 |
| Total | 4.0451 | 0.1463 | 0.2172 | 3.6000e-004 | | 7.3100e-003 | 7.3100e-003 | | 7.3100e-003 | 7.3100e-003 | 0.0000 | 30.6390 | 30.6390 | 1.7300e-003 | 0.0000 | 30.6822 |

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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 | 0.0262 | 0.0171 | 0.2263 | 7.0000e-004 | 0.0863 | 4.2000e-004 | 0.0867 | 0.0230 | 3.9000e-004 | 0.0234 | 0.0000 | 65.9594 | 65.9594 | 1.7600e-003 | 1.7300e-003 | 66.5188 |
| Total | 0.0262 | 0.0171 | 0.2263 | 7.0000e-004 | 0.0863 | 4.2000e-004 | 0.0867 | 0.0230 | 3.9000e-004 | 0.0234 | 0.0000 | 65.9594 | 65.9594 | 1.7600e-003 | 1.7300e-003 | 66.5188 |

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 | 4.0234 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.5700e-003 | 0.0155 | 0.2199 | 3.6000e-004 | | 4.8000e-004 | 4.8000e-004 | | 4.8000e-004 | 4.8000e-004 | 0.0000 | 30.6390 | 30.6390 | 1.7300e-003 | 0.0000 | 30.6821 |
| Total | 4.0269 | 0.0155 | 0.2199 | 3.6000e-004 | | 4.8000e-004 | 4.8000e-004 | | 4.8000e-004 | 4.8000e-004 | 0.0000 | 30.6390 | 30.6390 | 1.7300e-003 | 0.0000 | 30.6821 |

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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 | 0.0262 | 0.0171 | 0.2263 | 7.0000e-004 | 0.0863 | 4.2000e-004 | 0.0867 | 0.0230 | 3.9000e-004 | 0.0234 | 0.0000 | 65.9594 | 65.9594 | 1.7600e-003 | 1.7300e-003 | 66.5188 |
| Total | 0.0262 | 0.0171 | 0.2263 | 7.0000e-004 | 0.0863 | 4.2000e-004 | 0.0867 | 0.0230 | 3.9000e-004 | 0.0234 | 0.0000 | 65.9594 | 65.9594 | 1.7600e-003 | 1.7300e-003 | 66.5188 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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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 | 0.5571 | 0.7149 | 5.9502 | 0.0137 | 1.5338 | 9.7700e-003 | 1.5435 | 0.4098 | 9.1000e-003 | 0.4189 | 0.0000 | 1,293.5880 | 1,293.5880 | 0.0710 | 0.0558 | 1,312.0036 |
| Unmitigated | 0.5571 | 0.7149 | 5.9502 | 0.0137 | 1.5338 | 9.7700e-003 | 1.5435 | 0.4098 | 9.1000e-003 | 0.4189 | 0.0000 | 1,293.5880 | 1,293.5880 | 0.0710 | 0.0558 | 1,312.0036 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|-----------------|-----------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 1,062.33 | 1,062.33 | 1,062.33 | 4,161,048 | 4,161,048 |
| Total | 1,062.33 | 1,062.33 | 1,062.33 | 4,161,048 | 4,161,048 |

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 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No Rail | 12.75 | 9.79 | 9.79 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Parking Lot | 0.553839 | 0.058700 | 0.188468 | 0.120786 | 0.022796 | 0.005663 | 0.010629 | 0.007566 | 0.000983 | 0.000556 | 0.026354 | 0.000841 | 0.002820 |
| Unrefrigerated Warehouse-No Rail | 0.553839 | 0.058700 | 0.188468 | 0.120786 | 0.022796 | 0.005663 | 0.010629 | 0.007566 | 0.000983 | 0.000556 | 0.026354 | 0.000841 | 0.002820 |

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|---------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 256.0769 | 256.0769 | 0.0414 | 5.0200e-003 | 258.6091 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 256.0769 | 256.0769 | 0.0414 | 5.0200e-003 | 258.6091 |
| NaturalGas Mitigated | 0.0141 | 0.1280 | 0.1075 | 7.7000e-004 | | 9.7200e-003 | 9.7200e-003 | | 9.7200e-003 | 9.7200e-003 | 0.0000 | 139.2955 | 139.2955 | 2.6700e-003 | 2.5500e-003 | 140.1233 |
| NaturalGas Unmitigated | 0.0141 | 0.1280 | 0.1075 | 7.7000e-004 | | 9.7200e-003 | 9.7200e-003 | | 9.7200e-003 | 9.7200e-003 | 0.0000 | 139.2955 | 139.2955 | 2.6700e-003 | 2.5500e-003 | 140.1233 |

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5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 2.6103e+006 | 0.0141 | 0.1280 | 0.1075 | 7.7000e-004 | | 9.7200e-003 | 9.7200e-003 | | 9.7200e-003 | 9.7200e-003 | 0.0000 | 139.2955 | 139.2955 | 2.6700e-003 | 2.5500e-003 | 140.1233 |
| Total | | 0.0141 | 0.1280 | 0.1075 | 7.7000e-004 | | 9.7200e-003 | 9.7200e-003 | | 9.7200e-003 | 9.7200e-003 | 0.0000 | 139.2955 | 139.2955 | 2.6700e-003 | 2.5500e-003 | 140.1233 |

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 2.6103e+006 | 0.0141 | 0.1280 | 0.1075 | 7.7000e-004 | | 9.7200e-003 | 9.7200e-003 | | 9.7200e-003 | 9.7200e-003 | 0.0000 | 139.2955 | 139.2955 | 2.6700e-003 | 2.5500e-003 | 140.1233 |
| Total | | 0.0141 | 0.1280 | 0.1075 | 7.7000e-004 | | 9.7200e-003 | 9.7200e-003 | | 9.7200e-003 | 9.7200e-003 | 0.0000 | 139.2955 | 139.2955 | 2.6700e-003 | 2.5500e-003 | 140.1233 |

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5.3 Energy by Land Use - Electricity

Unmitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Parking Lot | 111860 | 10.3497 | 1.6700e-003 | 2.0000e-004 | 10.4521 |
| Unrefrigerated Warehouse-No Rail | 2.65583e+006 | 245.7272 | 0.0398 | 4.8200e-003 | 248.1570 |
| Total | | 256.0769 | 0.0414 | 5.0200e-003 | 258.6091 |

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Parking Lot | 111860 | 10.3497 | 1.6700e-003 | 2.0000e-004 | 10.4521 |
| Unrefrigerated Warehouse-No Rail | 2.65583e+006 | 245.7272 | 0.0398 | 4.8200e-003 | 248.1570 |
| Total | | 256.0769 | 0.0414 | 5.0200e-003 | 258.6091 |

6.0 Area Detail

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6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|--------|--------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 3.3878 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0278 | 0.0278 | 7.0000e-005 | 0.0000 | 0.0297 |
| Unmitigated | 3.3878 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0278 | 0.0278 | 7.0000e-005 | 0.0000 | 0.0297 |

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 | 0.4023 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 2.9842 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.3100e-003 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0278 | 0.0278 | 7.0000e-005 | 0.0000 | 0.0297 |
| Total | 3.3878 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0278 | 0.0278 | 7.0000e-005 | 0.0000 | 0.0297 |

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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 | 0.4023 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 2.9842 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.3100e-003 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0278 | 0.0278 | 7.0000e-005 | 0.0000 | 0.0297 |
| Total | 3.3878 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0278 | 0.0278 | 7.0000e-005 | 0.0000 | 0.0297 |

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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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 | 143.5209 | 5.7321 | 0.1367 | 327.5690 |
| Unmitigated | 143.5209 | 5.7321 | 0.1367 | 327.5690 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|--------------------|-----------------|---------------|---------------|-----------------|
| Land Use | Mgal | MT/yr | | | |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 175.475 / 0 | 143.5209 | 5.7321 | 0.1367 | 327.5690 |
| Total | | 143.5209 | 5.7321 | 0.1367 | 327.5690 |

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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 | | | |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 175.475 / 0 | 143.5209 | 5.7321 | 0.1367 | 327.5690 |
| Total | | 143.5209 | 5.7321 | 0.1367 | 327.5690 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|----------|
| | MT/yr | | | |
| Mitigated | 144.7894 | 8.5568 | 0.0000 | 358.7096 |
| Unmitigated | 144.7894 | 8.5568 | 0.0000 | 358.7096 |

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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

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|-----------------|---------------|---------------|-----------------|
| Land Use | tons | MT/yr | | | |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 713.28 | 144.7894 | 8.5568 | 0.0000 | 358.7096 |
| Total | | 144.7894 | 8.5568 | 0.0000 | 358.7096 |

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|-----------------|---------------|---------------|-----------------|
| Land Use | tons | MT/yr | | | |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 713.28 | 144.7894 | 8.5568 | 0.0000 | 358.7096 |
| Total | | 144.7894 | 8.5568 | 0.0000 | 358.7096 |

9.0 Operational Offroad

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

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|------------|
| Forklifts | 30 | 8.00 | 260 | 89 | 0.20 | Electrical |

UnMitigated/Mitigated

| Equipment Type | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Forklifts | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---------------------|--------|-----------|------------|-------------|-------------|-----------|
| Emergency Generator | 2 | 0.01 | 3 | 201 | 0.73 | Diesel |

Boilers

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

User Defined Equipment

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

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10.1 Stationary Sources

Unmitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|--------------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Equipment Type | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Emergency Generator - Diesel (175 - 300 HP) | 9.9000e-004 | 2.7700e-003 | 2.5200e-003 | 0.0000 | | 1.5000e-004 | 1.5000e-004 | | 1.5000e-004 | 1.5000e-004 | 0.0000 | 0.4592 | 0.4592 | 6.0000e-005 | 0.0000 | 0.4609 |
| Total | 9.9000e-004 | 2.7700e-003 | 2.5200e-003 | 0.0000 | | 1.5000e-004 | 1.5000e-004 | | 1.5000e-004 | 1.5000e-004 | 0.0000 | 0.4592 | 0.4592 | 6.0000e-005 | 0.0000 | 0.4609 |

11.0 Vegetation

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

SMPs Project - SMP 40
Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 758.81 | 1000sqft | 33.31 | 758,808.00 | 0 |
| Parking Lot | 799.00 | Space | 7.19 | 319,600.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 64 |
| Climate Zone | 4 | | | Operational Year | 2025 |
| Utility Company | Pacific Gas and Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 203.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to represent total project site acreage.

Construction Phase - Phase timing adjusted based on applicant provided information. Architectural coating assumed to start two weeks after building construction and last for the same duration.

Trips and VMT - Import of soil during grading would be from adjoining property, hauling truck trips on local streets would not occur.

Grading - Based on AQ Questionnaire.

Vehicle Trips - Based on project-specific trip rates provided in TIS prepared by TJKM.

Construction Off-road Equipment Mitigation - Based on compliance with AQ mitigation in EIR.

Mobile Land Use Mitigation -

Water Mitigation - Compliant with MWEL0.

Operational Off-Road Equipment - Fuel type adjusted to be electric as required by Mitigation Measure 4.2-2 of EIR.

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

Stationary Sources - Emergency Generators and Fire Pumps - Based on applicant provided info.

| Table Name | Column Name | Default Value | New Value |
|-------------------------|----------------------------|---------------|--------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 5.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstructionPhase | NumDays | 55.00 | 240.00 |

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

| | | | |
|---------------------------------|----------------------------|------------|------------|
| tblConstructionPhase | NumDays | 740.00 | 240.00 |
| tblConstructionPhase | NumDays | 75.00 | 60.00 |
| tblConstructionPhase | NumDays | 55.00 | 30.00 |
| tblGrading | MaterialImported | 0.00 | 7,000.00 |
| tblLandUse | LandUseSquareFeet | 758,810.00 | 758,808.00 |
| tblLandUse | LotAcreage | 17.42 | 33.31 |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | Electrical |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 30.00 |
| tblStationaryGeneratorsPumpsUse | HorsePowerValue | 0.00 | 201.00 |
| tblStationaryGeneratorsPumpsUse | HoursPerDay | 0.00 | 0.01 |
| tblStationaryGeneratorsPumpsUse | HoursPerYear | 0.00 | 3.00 |
| tblStationaryGeneratorsPumpsUse | NumberOfEquipment | 0.00 | 2.00 |
| tblTripsAndVMT | HaulingTripNumber | 875.00 | 0.00 |
| tblVehicleTrips | CC_TL | 7.30 | 9.79 |
| tblVehicleTrips | CNW_TL | 7.30 | 9.79 |
| tblVehicleTrips | CW_TL | 9.50 | 12.75 |
| tblVehicleTrips | ST_TR | 1.74 | 1.40 |
| tblVehicleTrips | SU_TR | 1.74 | 1.40 |
| tblVehicleTrips | WD_TR | 1.74 | 1.40 |

2.0 Emissions Summary

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 | | | | | |
| 2023 | 3.3758 | 34.5467 | 28.5293 | 0.0635 | 9.3811 | 1.4253 | 10.8064 | 3.6993 | 1.3113 | 5.0106 | 0.0000 | 6,157.2467 | 6,157.2467 | 1.9479 | 3.4600e-003 | 6,206.9750 |
| 2024 | 36.7421 | 23.0125 | 32.4701 | 0.1027 | 5.6676 | 0.7417 | 6.4093 | 1.5305 | 0.7016 | 2.2321 | 0.0000 | 10,492.7160 | 10,492.7160 | 0.7890 | 0.6478 | 10,705.4703 |
| Maximum | 36.7421 | 34.5467 | 32.4701 | 0.1027 | 9.3811 | 1.4253 | 10.8064 | 3.6993 | 1.3113 | 5.0106 | 0.0000 | 10,492.7160 | 10,492.7160 | 1.9479 | 0.6478 | 10,705.4703 |

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 | | | | | |
| 2023 | 0.9490 | 3.3311 | 33.4772 | 0.0635 | 9.3811 | 0.1024 | 9.4834 | 3.6993 | 0.1023 | 3.8016 | 0.0000 | 6,157.2467 | 6,157.2467 | 1.9479 | 3.4600e-003 | 6,206.9750 |
| 2024 | 35.4473 | 10.7134 | 33.7858 | 0.1027 | 5.6676 | 0.1122 | 5.7798 | 1.5305 | 0.1085 | 1.6390 | 0.0000 | 10,492.7160 | 10,492.7160 | 0.7890 | 0.6478 | 10,705.4703 |
| Maximum | 35.4473 | 10.7134 | 33.7858 | 0.1027 | 9.3811 | 0.1122 | 9.4834 | 3.6993 | 0.1085 | 3.8016 | 0.0000 | 10,492.7160 | 10,492.7160 | 1.9479 | 0.6478 | 10,705.4703 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 | 9.28 | 75.60 | -10.27 | 0.00 | 0.00 | 90.10 | 11.34 | 0.00 | 89.53 | 24.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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 | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Energy | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| Mobile | 3.3140 | 3.6172 | 33.2996 | 0.0793 | 8.7584 | 0.0537 | 8.8122 | 2.3328 | 0.0501 | 2.3828 | | 8,263.7625 | 8,263.7625 | 0.4105 | 0.3223 | 8,370.0581 |
| Offroad | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Stationary | 6.6000e-003 | 0.0184 | 0.0168 | 3.0000e-005 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | | 3.3749 | 3.3749 | 4.7000e-004 | | 3.3867 |
| Total | 21.9686 | 4.3382 | 34.0640 | 0.0835 | 8.7584 | 0.1085 | 8.8670 | 2.3328 | 0.1049 | 2.4377 | 0.0000 | 9,108.8319 | 9,108.8319 | 0.4280 | 0.3377 | 9,220.1612 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Energy | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| Mobile | 3.3140 | 3.6172 | 33.2996 | 0.0793 | 8.7584 | 0.0537 | 8.8122 | 2.3328 | 0.0501 | 2.3828 | | 8,263.7625 | 8,263.7625 | 0.4105 | 0.3223 | 8,370.0581 |
| Offroad | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Stationary | 6.6000e-003 | 0.0184 | 0.0168 | 3.0000e-005 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | | 3.3749 | 3.3749 | 4.7000e-004 | | 3.3867 |
| Total | 21.9686 | 4.3382 | 34.0640 | 0.0835 | 8.7584 | 0.1085 | 8.8670 | 2.3328 | 0.1049 | 2.4377 | 0.0000 | 9,108.8319 | 9,108.8319 | 0.4280 | 0.3377 | 9,220.1612 |

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Grading | Grading | 9/1/2023 | 11/23/2023 | 5 | 60 | |
| 2 | Paving | Paving | 11/24/2023 | 1/4/2024 | 5 | 30 | |
| 3 | Building Construction | Building Construction | 1/5/2024 | 12/5/2024 | 5 | 240 | |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

| | | | | | | |
|---|-----------------------|-----------------------|-----------|------------|---|-----|
| 4 | Architectural Coating | Architectural Coating | 1/19/2024 | 12/19/2024 | 5 | 240 |
|---|-----------------------|-----------------------|-----------|------------|---|-----|

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 180

Acres of Paving: 7.19

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,138,212; Non-Residential Outdoor: 379,404; Striped Parking Area: 19,176 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Grading | Excavators | 2 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| 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 |
|------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Grading | 8 | 20.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

| | | | | | | | | | | |
|-----------------------|---|--------|--------|------|-------|------|-------|--------|---------|------|
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 453.00 | 177.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 91.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Grading - 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 | | | | | |
| Fugitive Dust | | | | | 9.2168 | 0.0000 | 9.2168 | 3.6558 | 0.0000 | 3.6558 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.3217 | 34.5156 | 28.0512 | 0.0621 | | 1.4245 | 1.4245 | | 1.3105 | 1.3105 | | 6,011.4777 | 6,011.4777 | 1.9442 | | 6,060.0836 |
| Total | 3.3217 | 34.5156 | 28.0512 | 0.0621 | 9.2168 | 1.4245 | 10.6413 | 3.6558 | 1.3105 | 4.9663 | | 6,011.4777 | 6,011.4777 | 1.9442 | | 6,060.0836 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

3.2 Grading - 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 | 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 | 0.0541 | 0.0311 | 0.4781 | 1.4200e-003 | 0.1643 | 8.1000e-004 | 0.1651 | 0.0436 | 7.5000e-004 | 0.0443 | | 145.7690 | 145.7690 | 3.6800e-003 | 3.4600e-003 | 146.8915 |
| Total | 0.0541 | 0.0311 | 0.4781 | 1.4200e-003 | 0.1643 | 8.1000e-004 | 0.1651 | 0.0436 | 7.5000e-004 | 0.0443 | | 145.7690 | 145.7690 | 3.6800e-003 | 3.4600e-003 | 146.8915 |

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 | | | | | 9.2168 | 0.0000 | 9.2168 | 3.6558 | 0.0000 | 3.6558 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.7616 | 3.3000 | 32.9991 | 0.0621 | | 0.1015 | 0.1015 | | 0.1015 | 0.1015 | 0.0000 | 6,011.4777 | 6,011.4777 | 1.9442 | | 6,060.0836 |
| Total | 0.7616 | 3.3000 | 32.9991 | 0.0621 | 9.2168 | 0.1015 | 9.3183 | 3.6558 | 0.1015 | 3.7573 | 0.0000 | 6,011.4777 | 6,011.4777 | 1.9442 | | 6,060.0836 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

3.2 Grading - 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 | 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 | 0.0541 | 0.0311 | 0.4781 | 1.4200e-003 | 0.1643 | 8.1000e-004 | 0.1651 | 0.0436 | 7.5000e-004 | 0.0443 | | 145.7690 | 145.7690 | 3.6800e-003 | 3.4600e-003 | 146.8915 |
| Total | 0.0541 | 0.0311 | 0.4781 | 1.4200e-003 | 0.1643 | 8.1000e-004 | 0.1651 | 0.0436 | 7.5000e-004 | 0.0443 | | 145.7690 | 145.7690 | 3.6800e-003 | 3.4600e-003 | 146.8915 |

3.3 Paving - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0327 | 10.1917 | 14.5842 | 0.0228 | | 0.5102 | 0.5102 | | 0.4694 | 0.4694 | | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |
| Paving | 0.6279 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.6607 | 10.1917 | 14.5842 | 0.0228 | | 0.5102 | 0.5102 | | 0.4694 | 0.4694 | | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

3.3 Paving - 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 | 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 | 0.0406 | 0.0233 | 0.3586 | 1.0700e-003 | 0.1232 | 6.1000e-004 | 0.1238 | 0.0327 | 5.6000e-004 | 0.0333 | | 109.3267 | 109.3267 | 2.7600e-003 | 2.5900e-003 | 110.1686 |
| Total | 0.0406 | 0.0233 | 0.3586 | 1.0700e-003 | 0.1232 | 6.1000e-004 | 0.1238 | 0.0327 | 5.6000e-004 | 0.0333 | | 109.3267 | 109.3267 | 2.7600e-003 | 2.5900e-003 | 110.1686 |

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 | 0.2805 | 1.2154 | 17.2957 | 0.0228 | | 0.0374 | 0.0374 | | 0.0374 | 0.0374 | 0.0000 | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |
| Paving | 0.6279 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.9084 | 1.2154 | 17.2957 | 0.0228 | | 0.0374 | 0.0374 | | 0.0374 | 0.0374 | 0.0000 | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

3.3 Paving - 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 | 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 | 0.0406 | 0.0233 | 0.3586 | 1.0700e-003 | 0.1232 | 6.1000e-004 | 0.1238 | 0.0327 | 5.6000e-004 | 0.0333 | | 109.3267 | 109.3267 | 2.7600e-003 | 2.5900e-003 | 110.1686 |
| Total | 0.0406 | 0.0233 | 0.3586 | 1.0700e-003 | 0.1232 | 6.1000e-004 | 0.1238 | 0.0327 | 5.6000e-004 | 0.0333 | | 109.3267 | 109.3267 | 2.7600e-003 | 2.5900e-003 | 110.1686 |

3.3 Paving - 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 | 0.9882 | 9.5246 | 14.6258 | 0.0228 | | 0.4685 | 0.4685 | | 0.4310 | 0.4310 | | 2,207.5472 | 2,207.5472 | 0.7140 | | 2,225.3963 |
| Paving | 0.6279 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.6161 | 9.5246 | 14.6258 | 0.0228 | | 0.4685 | 0.4685 | | 0.4310 | 0.4310 | | 2,207.5472 | 2,207.5472 | 0.7140 | | 2,225.3963 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

3.3 Paving - 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 | 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 | 0.0379 | 0.0208 | 0.3342 | 1.0300e-003 | 0.1232 | 5.8000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 106.6142 | 106.6142 | 2.4900e-003 | 2.4200e-003 | 107.3970 |
| Total | 0.0379 | 0.0208 | 0.3342 | 1.0300e-003 | 0.1232 | 5.8000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 106.6142 | 106.6142 | 2.4900e-003 | 2.4200e-003 | 107.3970 |

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 | 0.2805 | 1.2154 | 17.2957 | 0.0228 | | 0.0374 | 0.0374 | | 0.0374 | 0.0374 | 0.0000 | 2,207.5472 | 2,207.5472 | 0.7140 | | 2,225.3963 |
| Paving | 0.6279 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.9084 | 1.2154 | 17.2957 | 0.0228 | | 0.0374 | 0.0374 | | 0.0374 | 0.0374 | 0.0000 | 2,207.5472 | 2,207.5472 | 0.7140 | | 2,225.3963 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

3.3 Paving - 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 | 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 | 0.0379 | 0.0208 | 0.3342 | 1.0300e-003 | 0.1232 | 5.8000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 106.6142 | 106.6142 | 2.4900e-003 | 2.4200e-003 | 107.3970 |
| Total | 0.0379 | 0.0208 | 0.3342 | 1.0300e-003 | 0.1232 | 5.8000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 106.6142 | 106.6142 | 2.4900e-003 | 2.4200e-003 | 107.3970 |

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 | 1.4716 | 13.4438 | 16.1668 | 0.0270 | | 0.6133 | 0.6133 | | 0.5769 | 0.5769 | | 2,555.6989 | 2,555.6989 | 0.6044 | | 2,570.8077 |
| Total | 1.4716 | 13.4438 | 16.1668 | 0.0270 | | 0.6133 | 0.6133 | | 0.5769 | 0.5769 | | 2,555.6989 | 2,555.6989 | 0.6044 | | 2,570.8077 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 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 | 0.1872 | 7.5952 | 2.3727 | 0.0353 | 1.1988 | 0.0464 | 1.2452 | 0.3451 | 0.0443 | 0.3895 | | 3,789.028 4 | 3,789.028 4 | 0.0783 | 0.5601 | 3,957.887 3 |
| Worker | 1.1446 | 0.6285 | 10.0930 | 0.0312 | 3.7213 | 0.0176 | 3.7389 | 0.9871 | 0.0162 | 1.0032 | | 3,219.748 0 | 3,219.748 0 | 0.0753 | 0.0730 | 3,243.389 3 |
| Total | 1.3318 | 8.2237 | 12.4656 | 0.0665 | 4.9201 | 0.0639 | 4.9840 | 1.3322 | 0.0605 | 1.3927 | | 7,008.776 4 | 7,008.776 4 | 0.1536 | 0.6331 | 7,201.276 6 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.3278 | 2.2347 | 17.4603 | 0.0270 | | 0.0408 | 0.0408 | | 0.0408 | 0.0408 | 0.0000 | 2,555.698 9 | 2,555.698 9 | 0.6044 | | 2,570.807 7 |
| Total | 0.3278 | 2.2347 | 17.4603 | 0.0270 | | 0.0408 | 0.0408 | | 0.0408 | 0.0408 | 0.0000 | 2,555.698 9 | 2,555.698 9 | 0.6044 | | 2,570.807 7 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 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 | 0.1872 | 7.5952 | 2.3727 | 0.0353 | 1.1988 | 0.0464 | 1.2452 | 0.3451 | 0.0443 | 0.3895 | | 3,789.0284 | 3,789.0284 | 0.0783 | 0.5601 | 3,957.8873 |
| Worker | 1.1446 | 0.6285 | 10.0930 | 0.0312 | 3.7213 | 0.0176 | 3.7389 | 0.9871 | 0.0162 | 1.0032 | | 3,219.7480 | 3,219.7480 | 0.0753 | 0.0730 | 3,243.3893 |
| Total | 1.3318 | 8.2237 | 12.4656 | 0.0665 | 4.9201 | 0.0639 | 4.9840 | 1.3322 | 0.0605 | 1.3927 | | 7,008.7764 | 7,008.7764 | 0.1536 | 0.6331 | 7,201.2766 |

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 | 33.5281 | | | | | 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 | 33.7088 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 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 | 0.2299 | 0.1263 | 2.0275 | 6.2700e-003 | 0.7475 | 3.5300e-003 | 0.7511 | 0.1983 | 3.2500e-003 | 0.2015 | | 646.7926 | 646.7926 | 0.0151 | 0.0147 | 651.5418 |
| Total | 0.2299 | 0.1263 | 2.0275 | 6.2700e-003 | 0.7475 | 3.5300e-003 | 0.7511 | 0.1983 | 3.2500e-003 | 0.2015 | | 646.7926 | 646.7926 | 0.0151 | 0.0147 | 651.5418 |

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 | 33.5281 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.0297 | 0.1288 | 1.8324 | 2.9700e-003 | | 3.9600e-003 | 3.9600e-003 | | 3.9600e-003 | 3.9600e-003 | 0.0000 | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |
| Total | 33.5578 | 0.1288 | 1.8324 | 2.9700e-003 | | 3.9600e-003 | 3.9600e-003 | | 3.9600e-003 | 3.9600e-003 | 0.0000 | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 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 | 0.2299 | 0.1263 | 2.0275 | 6.2700e-003 | 0.7475 | 3.5300e-003 | 0.7511 | 0.1983 | 3.2500e-003 | 0.2015 | | 646.7926 | 646.7926 | 0.0151 | 0.0147 | 651.5418 |
| Total | 0.2299 | 0.1263 | 2.0275 | 6.2700e-003 | 0.7475 | 3.5300e-003 | 0.7511 | 0.1983 | 3.2500e-003 | 0.2015 | | 646.7926 | 646.7926 | 0.0151 | 0.0147 | 651.5418 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 | 3.3140 | 3.6172 | 33.2996 | 0.0793 | 8.7584 | 0.0537 | 8.8122 | 2.3328 | 0.0501 | 2.3828 | | 8,263.7625 | 8,263.7625 | 0.4105 | 0.3223 | 8,370.0581 |
| Unmitigated | 3.3140 | 3.6172 | 33.2996 | 0.0793 | 8.7584 | 0.0537 | 8.8122 | 2.3328 | 0.0501 | 2.3828 | | 8,263.7625 | 8,263.7625 | 0.4105 | 0.3223 | 8,370.0581 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|-----------------|-----------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 1,062.33 | 1,062.33 | 1,062.33 | 4,161,048 | 4,161,048 |
| Total | 1,062.33 | 1,062.33 | 1,062.33 | 4,161,048 | 4,161,048 |

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 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No Rail | 12.75 | 9.79 | 9.79 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Parking Lot | 0.553839 | 0.058700 | 0.188468 | 0.120786 | 0.022796 | 0.005663 | 0.010629 | 0.007566 | 0.000983 | 0.000556 | 0.026354 | 0.000841 | 0.002820 |
| Unrefrigerated Warehouse-No Rail | 0.553839 | 0.058700 | 0.188468 | 0.120786 | 0.022796 | 0.005663 | 0.010629 | 0.007566 | 0.000983 | 0.000556 | 0.026354 | 0.000841 | 0.002820 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| NaturalGas Unmitigated | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 7151.51 | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| Total | | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |

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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 7.15151 | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| Total | | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |

6.0 Area Detail

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|-------------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Unmitigated | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|----------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 2.2046 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 16.3517 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0146 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Total | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 | 2.2046 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 16.3517 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0146 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Total | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|------------|
| Forklifts | 30 | 8.00 | 260 | 89 | 0.20 | Electrical |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

UnMitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|-----|---------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | |
| Forklifts | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Total | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---------------------|--------|-----------|------------|-------------|-------------|-----------|
| Emergency Generator | 2 | 0.01 | 3 | 201 | 0.73 | Diesel |

Boilers

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

User Defined Equipment

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

SMPs Project - SMP 40 - Bay Area AQMD Air District, Summer

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

10.1 Stationary Sources

Unmitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|---|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|------|---------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | | |
| Emergency Generator - Diesel (175 - 300 HP) | 6.6000e-003 | 0.0184 | 0.0168 | 3.0000e-005 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | | 3.3749 | 3.3749 | 4.7000e-004 | | | 3.3867 |
| Total | 6.6000e-003 | 0.0184 | 0.0168 | 3.0000e-005 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | | 3.3749 | 3.3749 | 4.7000e-004 | | | 3.3867 |

11.0 Vegetation

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

SMPs Project - SMP 40
Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 758.81 | 1000sqft | 33.31 | 758,808.00 | 0 |
| Parking Lot | 799.00 | Space | 7.19 | 319,600.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 64 |
| Climate Zone | 4 | | | Operational Year | 2025 |
| Utility Company | Pacific Gas and Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 203.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to represent total project site acreage.

Construction Phase - Phase timing adjusted based on applicant provided information. Architectural coating assumed to start two weeks after building construction and last for the same duration.

Trips and VMT - Import of soil during grading would be from adjoining property, hauling truck trips on local streets would not occur.

Grading - Based on AQ Questionnaire.

Vehicle Trips - Based on project-specific trip rates provided in TIS prepared by TJKM.

Construction Off-road Equipment Mitigation - Based on compliance with AQ mitigation in EIR.

Mobile Land Use Mitigation -

Water Mitigation - Compliant with MWELo.

Operational Off-Road Equipment - Fuel type adjusted to be electric as required by Mitigation Measure 4.2-2 of EIR.

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

Stationary Sources - Emergency Generators and Fire Pumps - Based on applicant provided info.

| Table Name | Column Name | Default Value | New Value |
|-------------------------|----------------------------|---------------|--------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 5.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstructionPhase | NumDays | 55.00 | 240.00 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

| | | | |
|---------------------------------|----------------------------|------------|------------|
| tblConstructionPhase | NumDays | 740.00 | 240.00 |
| tblConstructionPhase | NumDays | 75.00 | 60.00 |
| tblConstructionPhase | NumDays | 55.00 | 30.00 |
| tblGrading | MaterialImported | 0.00 | 7,000.00 |
| tblLandUse | LandUseSquareFeet | 758,810.00 | 758,808.00 |
| tblLandUse | LotAcreage | 17.42 | 33.31 |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | Electrical |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 30.00 |
| tblStationaryGeneratorsPumpsUse | HorsePowerValue | 0.00 | 201.00 |
| tblStationaryGeneratorsPumpsUse | HoursPerDay | 0.00 | 0.01 |
| tblStationaryGeneratorsPumpsUse | HoursPerYear | 0.00 | 3.00 |
| tblStationaryGeneratorsPumpsUse | NumberOfEquipment | 0.00 | 2.00 |
| tblTripsAndVMT | HaulingTripNumber | 875.00 | 0.00 |
| tblVehicleTrips | CC_TL | 7.30 | 9.79 |
| tblVehicleTrips | CNW_TL | 7.30 | 9.79 |
| tblVehicleTrips | CW_TL | 9.50 | 12.75 |
| tblVehicleTrips | ST_TR | 1.74 | 1.40 |
| tblVehicleTrips | SU_TR | 1.74 | 1.40 |
| tblVehicleTrips | WD_TR | 1.74 | 1.40 |

2.0 Emissions Summary

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 | | | | | |
| 2023 | 3.3772 | 34.5539 | 28.5091 | 0.0634 | 9.3811 | 1.4253 | 10.8064 | 3.6993 | 1.3113 | 5.0106 | 0.0000 | 6,146.9143 | 6,146.9143 | 1.9484 | 3.9800e-003 | 6,196.8109 |
| 2024 | 36.7762 | 23.6304 | 32.0813 | 0.1001 | 5.6676 | 0.7419 | 6.4095 | 1.5305 | 0.7018 | 2.2322 | 0.0000 | 10,224.7728 | 10,224.7728 | 0.8011 | 0.6624 | 10,442.1825 |
| Maximum | 36.7762 | 34.5539 | 32.0813 | 0.1001 | 9.3811 | 1.4253 | 10.8064 | 3.6993 | 1.3113 | 5.0106 | 0.0000 | 10,224.7728 | 10,224.7728 | 1.9484 | 0.6624 | 10,442.1825 |

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 | | | | | |
| 2023 | 0.9500 | 3.3384 | 33.4571 | 0.0634 | 9.3811 | 0.1024 | 9.4834 | 3.6993 | 0.1023 | 3.8016 | 0.0000 | 6,146.9143 | 6,146.9143 | 1.9484 | 3.9800e-003 | 6,196.8109 |
| 2024 | 35.4814 | 11.3313 | 33.3970 | 0.1001 | 5.6676 | 0.1124 | 5.7800 | 1.5305 | 0.1087 | 1.6392 | 0.0000 | 10,224.7728 | 10,224.7728 | 0.8011 | 0.6624 | 10,442.1825 |
| Maximum | 35.4814 | 11.3313 | 33.4571 | 0.1001 | 9.3811 | 0.1124 | 9.4834 | 3.6993 | 0.1087 | 3.8016 | 0.0000 | 10,224.7728 | 10,224.7728 | 1.9484 | 0.6624 | 10,442.1825 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 |
|-------------------|------|-------|--------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 9.27 | 74.79 | -10.34 | 0.00 | 0.00 | 90.09 | 11.34 | 0.00 | 89.52 | 24.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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 | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Energy | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| Mobile | 3.0847 | 4.1484 | 34.5217 | 0.0748 | 8.7584 | 0.0537 | 8.8122 | 2.3328 | 0.0501 | 2.3829 | | 7,796.1900 | 7,796.1900 | 0.4504 | 0.3509 | 7,912.0113 |
| Offroad | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Stationary | 6.6000e-003 | 0.0184 | 0.0168 | 3.0000e-005 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | | 3.3749 | 3.3749 | 4.7000e-004 | | 3.3867 |
| Total | 21.7393 | 4.8694 | 35.2861 | 0.0790 | 8.7584 | 0.1086 | 8.8670 | 2.3328 | 0.1049 | 2.4377 | 0.0000 | 8,641.2594 | 8,641.2594 | 0.4679 | 0.3663 | 8,762.1144 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Energy | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| Mobile | 3.0847 | 4.1484 | 34.5217 | 0.0748 | 8.7584 | 0.0537 | 8.8122 | 2.3328 | 0.0501 | 2.3829 | | 7,796.1900 | 7,796.1900 | 0.4504 | 0.3509 | 7,912.0113 |
| Offroad | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Stationary | 6.6000e-003 | 0.0184 | 0.0168 | 3.0000e-005 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | | 3.3749 | 3.3749 | 4.7000e-004 | | 3.3867 |
| Total | 21.7393 | 4.8694 | 35.2861 | 0.0790 | 8.7584 | 0.1086 | 8.8670 | 2.3328 | 0.1049 | 2.4377 | 0.0000 | 8,641.2594 | 8,641.2594 | 0.4679 | 0.3663 | 8,762.1144 |

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Grading | Grading | 9/1/2023 | 11/23/2023 | 5 | 60 | |
| 2 | Paving | Paving | 11/24/2023 | 1/4/2024 | 5 | 30 | |
| 3 | Building Construction | Building Construction | 1/5/2024 | 12/5/2024 | 5 | 240 | |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

| | | | | | | |
|---|-----------------------|-----------------------|-----------|------------|---|-----|
| 4 | Architectural Coating | Architectural Coating | 1/19/2024 | 12/19/2024 | 5 | 240 |
|---|-----------------------|-----------------------|-----------|------------|---|-----|

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 180

Acres of Paving: 7.19

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,138,212; Non-Residential Outdoor: 379,404; Striped Parking Area: 19,176 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Grading | Excavators | 2 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| 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 |
|------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Grading | 8 | 20.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

| | | | | | | | | | | |
|-----------------------|---|--------|--------|------|-------|------|-------|--------|---------|------|
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 453.00 | 177.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 91.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Grading - 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 | | | | | |
| Fugitive Dust | | | | | 9.2168 | 0.0000 | 9.2168 | 3.6558 | 0.0000 | 3.6558 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.3217 | 34.5156 | 28.0512 | 0.0621 | | 1.4245 | 1.4245 | | 1.3105 | 1.3105 | | 6,011.4777 | 6,011.4777 | 1.9442 | | 6,060.0836 |
| Total | 3.3217 | 34.5156 | 28.0512 | 0.0621 | 9.2168 | 1.4245 | 10.6413 | 3.6558 | 1.3105 | 4.9663 | | 6,011.4777 | 6,011.4777 | 1.9442 | | 6,060.0836 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

3.2 Grading - 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 | 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 | 0.0555 | 0.0383 | 0.4579 | 1.3200e-003 | 0.1643 | 8.1000e-004 | 0.1651 | 0.0436 | 7.5000e-004 | 0.0443 | | 135.4366 | 135.4366 | 4.1800e-003 | 3.9800e-003 | 136.7273 |
| Total | 0.0555 | 0.0383 | 0.4579 | 1.3200e-003 | 0.1643 | 8.1000e-004 | 0.1651 | 0.0436 | 7.5000e-004 | 0.0443 | | 135.4366 | 135.4366 | 4.1800e-003 | 3.9800e-003 | 136.7273 |

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 | | | | | 9.2168 | 0.0000 | 9.2168 | 3.6558 | 0.0000 | 3.6558 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.7616 | 3.3000 | 32.9991 | 0.0621 | | 0.1015 | 0.1015 | | 0.1015 | 0.1015 | 0.0000 | 6,011.4777 | 6,011.4777 | 1.9442 | | 6,060.0836 |
| Total | 0.7616 | 3.3000 | 32.9991 | 0.0621 | 9.2168 | 0.1015 | 9.3183 | 3.6558 | 0.1015 | 3.7573 | 0.0000 | 6,011.4777 | 6,011.4777 | 1.9442 | | 6,060.0836 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

3.2 Grading - 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 | 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 | 0.0555 | 0.0383 | 0.4579 | 1.3200e-003 | 0.1643 | 8.1000e-004 | 0.1651 | 0.0436 | 7.5000e-004 | 0.0443 | | 135.4366 | 135.4366 | 4.1800e-003 | 3.9800e-003 | 136.7273 |
| Total | 0.0555 | 0.0383 | 0.4579 | 1.3200e-003 | 0.1643 | 8.1000e-004 | 0.1651 | 0.0436 | 7.5000e-004 | 0.0443 | | 135.4366 | 135.4366 | 4.1800e-003 | 3.9800e-003 | 136.7273 |

3.3 Paving - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0327 | 10.1917 | 14.5842 | 0.0228 | | 0.5102 | 0.5102 | | 0.4694 | 0.4694 | | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |
| Paving | 0.6279 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.6607 | 10.1917 | 14.5842 | 0.0228 | | 0.5102 | 0.5102 | | 0.4694 | 0.4694 | | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

3.3 Paving - 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 | 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 | 0.0416 | 0.0288 | 0.3434 | 9.9000e-004 | 0.1232 | 6.1000e-004 | 0.1238 | 0.0327 | 5.6000e-004 | 0.0333 | | 101.5775 | 101.5775 | 3.1300e-003 | 2.9900e-003 | 102.5455 |
| Total | 0.0416 | 0.0288 | 0.3434 | 9.9000e-004 | 0.1232 | 6.1000e-004 | 0.1238 | 0.0327 | 5.6000e-004 | 0.0333 | | 101.5775 | 101.5775 | 3.1300e-003 | 2.9900e-003 | 102.5455 |

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 | 0.2805 | 1.2154 | 17.2957 | 0.0228 | | 0.0374 | 0.0374 | | 0.0374 | 0.0374 | 0.0000 | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |
| Paving | 0.6279 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.9084 | 1.2154 | 17.2957 | 0.0228 | | 0.0374 | 0.0374 | | 0.0374 | 0.0374 | 0.0000 | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

3.3 Paving - 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 | 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 | 0.0416 | 0.0288 | 0.3434 | 9.9000e-004 | 0.1232 | 6.1000e-004 | 0.1238 | 0.0327 | 5.6000e-004 | 0.0333 | | 101.5775 | 101.5775 | 3.1300e-003 | 2.9900e-003 | 102.5455 |
| Total | 0.0416 | 0.0288 | 0.3434 | 9.9000e-004 | 0.1232 | 6.1000e-004 | 0.1238 | 0.0327 | 5.6000e-004 | 0.0333 | | 101.5775 | 101.5775 | 3.1300e-003 | 2.9900e-003 | 102.5455 |

3.3 Paving - 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 | 0.9882 | 9.5246 | 14.6258 | 0.0228 | | 0.4685 | 0.4685 | | 0.4310 | 0.4310 | | 2,207.5472 | 2,207.5472 | 0.7140 | | 2,225.3963 |
| Paving | 0.6279 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.6161 | 9.5246 | 14.6258 | 0.0228 | | 0.4685 | 0.4685 | | 0.4310 | 0.4310 | | 2,207.5472 | 2,207.5472 | 0.7140 | | 2,225.3963 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

3.3 Paving - 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 | 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 | 0.0390 | 0.0257 | 0.3212 | 9.6000e-004 | 0.1232 | 5.8000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 99.0731 | 99.0731 | 2.8400e-003 | 2.7800e-003 | 99.9731 |
| Total | 0.0390 | 0.0257 | 0.3212 | 9.6000e-004 | 0.1232 | 5.8000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 99.0731 | 99.0731 | 2.8400e-003 | 2.7800e-003 | 99.9731 |

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 | 0.2805 | 1.2154 | 17.2957 | 0.0228 | | 0.0374 | 0.0374 | | 0.0374 | 0.0374 | 0.0000 | 2,207.5472 | 2,207.5472 | 0.7140 | | 2,225.3963 |
| Paving | 0.6279 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.9084 | 1.2154 | 17.2957 | 0.0228 | | 0.0374 | 0.0374 | | 0.0374 | 0.0374 | 0.0000 | 2,207.5472 | 2,207.5472 | 0.7140 | | 2,225.3963 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

3.3 Paving - 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 | 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 | 0.0390 | 0.0257 | 0.3212 | 9.6000e-004 | 0.1232 | 5.8000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 99.0731 | 99.0731 | 2.8400e-003 | 2.7800e-003 | 99.9731 |
| Total | 0.0390 | 0.0257 | 0.3212 | 9.6000e-004 | 0.1232 | 5.8000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 99.0731 | 99.0731 | 2.8400e-003 | 2.7800e-003 | 99.9731 |

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 | 1.4716 | 13.4438 | 16.1668 | 0.0270 | | 0.6133 | 0.6133 | | 0.5769 | 0.5769 | | 2,555.6989 | 2,555.6989 | 0.6044 | | 2,570.8077 |
| Total | 1.4716 | 13.4438 | 16.1668 | 0.0270 | | 0.6133 | 0.6133 | | 0.5769 | 0.5769 | | 2,555.6989 | 2,555.6989 | 0.6044 | | 2,570.8077 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 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 | 0.1804 | 8.0369 | 2.4549 | 0.0354 | 1.1988 | 0.0465 | 1.2453 | 0.3451 | 0.0445 | 0.3896 | | 3,794.575 1 | 3,794.575 1 | 0.0778 | 0.5615 | 3,963.838 2 |
| Worker | 1.1786 | 0.7752 | 9.7007 | 0.0290 | 3.7213 | 0.0176 | 3.7389 | 0.9871 | 0.0162 | 1.0032 | | 2,992.007 4 | 2,992.007 4 | 0.0859 | 0.0840 | 3,019.188 7 |
| Total | 1.3590 | 8.8121 | 12.1556 | 0.0644 | 4.9201 | 0.0641 | 4.9842 | 1.3322 | 0.0607 | 1.3929 | | 6,786.582 5 | 6,786.582 5 | 0.1637 | 0.6455 | 6,983.026 9 |

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 | 0.3278 | 2.2347 | 17.4603 | 0.0270 | | 0.0408 | 0.0408 | | 0.0408 | 0.0408 | 0.0000 | 2,555.698 9 | 2,555.698 9 | 0.6044 | | 2,570.807 7 |
| Total | 0.3278 | 2.2347 | 17.4603 | 0.0270 | | 0.0408 | 0.0408 | | 0.0408 | 0.0408 | 0.0000 | 2,555.698 9 | 2,555.698 9 | 0.6044 | | 2,570.807 7 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 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 | 0.1804 | 8.0369 | 2.4549 | 0.0354 | 1.1988 | 0.0465 | 1.2453 | 0.3451 | 0.0445 | 0.3896 | | 3,794.575 1 | 3,794.575 1 | 0.0778 | 0.5615 | 3,963.838 2 |
| Worker | 1.1786 | 0.7752 | 9.7007 | 0.0290 | 3.7213 | 0.0176 | 3.7389 | 0.9871 | 0.0162 | 1.0032 | | 2,992.007 4 | 2,992.007 4 | 0.0859 | 0.0840 | 3,019.188 7 |
| Total | 1.3590 | 8.8121 | 12.1556 | 0.0644 | 4.9201 | 0.0641 | 4.9842 | 1.3322 | 0.0607 | 1.3929 | | 6,786.582 5 | 6,786.582 5 | 0.1637 | 0.6455 | 6,983.026 9 |

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 | 33.5281 | | | | | 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 | 33.7088 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 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 | 0.2368 | 0.1557 | 1.9487 | 5.8300e-003 | 0.7475 | 3.5300e-003 | 0.7511 | 0.1983 | 3.2500e-003 | 0.2015 | | 601.0434 | 601.0434 | 0.0173 | 0.0169 | 606.5037 |
| Total | 0.2368 | 0.1557 | 1.9487 | 5.8300e-003 | 0.7475 | 3.5300e-003 | 0.7511 | 0.1983 | 3.2500e-003 | 0.2015 | | 601.0434 | 601.0434 | 0.0173 | 0.0169 | 606.5037 |

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 | 33.5281 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.0297 | 0.1288 | 1.8324 | 2.9700e-003 | | 3.9600e-003 | 3.9600e-003 | | 3.9600e-003 | 3.9600e-003 | 0.0000 | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |
| Total | 33.5578 | 0.1288 | 1.8324 | 2.9700e-003 | | 3.9600e-003 | 3.9600e-003 | | 3.9600e-003 | 3.9600e-003 | 0.0000 | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 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 | 0.2368 | 0.1557 | 1.9487 | 5.8300e-003 | 0.7475 | 3.5300e-003 | 0.7511 | 0.1983 | 3.2500e-003 | 0.2015 | | 601.0434 | 601.0434 | 0.0173 | 0.0169 | 606.5037 |
| Total | 0.2368 | 0.1557 | 1.9487 | 5.8300e-003 | 0.7475 | 3.5300e-003 | 0.7511 | 0.1983 | 3.2500e-003 | 0.2015 | | 601.0434 | 601.0434 | 0.0173 | 0.0169 | 606.5037 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 | 3.0847 | 4.1484 | 34.5217 | 0.0748 | 8.7584 | 0.0537 | 8.8122 | 2.3328 | 0.0501 | 2.3829 | | 7,796.1900 | 7,796.1900 | 0.4504 | 0.3509 | 7,912.0113 |
| Unmitigated | 3.0847 | 4.1484 | 34.5217 | 0.0748 | 8.7584 | 0.0537 | 8.8122 | 2.3328 | 0.0501 | 2.3829 | | 7,796.1900 | 7,796.1900 | 0.4504 | 0.3509 | 7,912.0113 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|-----------------|-----------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 1,062.33 | 1,062.33 | 1,062.33 | 4,161,048 | 4,161,048 |
| Total | 1,062.33 | 1,062.33 | 1,062.33 | 4,161,048 | 4,161,048 |

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 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No Rail | 12.75 | 9.79 | 9.79 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Parking Lot | 0.553839 | 0.058700 | 0.188468 | 0.120786 | 0.022796 | 0.005663 | 0.010629 | 0.007566 | 0.000983 | 0.000556 | 0.026354 | 0.000841 | 0.002820 |
| Unrefrigerated Warehouse-No Rail | 0.553839 | 0.058700 | 0.188468 | 0.120786 | 0.022796 | 0.005663 | 0.010629 | 0.007566 | 0.000983 | 0.000556 | 0.026354 | 0.000841 | 0.002820 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| NaturalGas Unmitigated | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 7151.51 | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| Total | | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |

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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 7.15151 | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| Total | | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |

6.0 Area Detail

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|-------------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Unmitigated | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|----------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 2.2046 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 16.3517 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0146 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Total | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |

SMPs Project - SMP 40 - Bay Area AQMD Air District, 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 | 2.2046 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 16.3517 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0146 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Total | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|------------|
| Forklifts | 30 | 8.00 | 260 | 89 | 0.20 | Electrical |

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

UnMitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|-----|---------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | |
| Forklifts | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Total | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---------------------|--------|-----------|------------|-------------|-------------|-----------|
| Emergency Generator | 2 | 0.01 | 3 | 201 | 0.73 | Diesel |

Boilers

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

User Defined Equipment

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

SMPs Project - SMP 40 - Bay Area AQMD Air District, Winter

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

10.1 Stationary Sources

Unmitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|---|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|------|---------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | | |
| Emergency Generator - Diesel (175 - 300 HP) | 6.6000e-003 | 0.0184 | 0.0168 | 3.0000e-005 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | | 3.3749 | 3.3749 | 4.7000e-004 | | | 3.3867 |
| Total | 6.6000e-003 | 0.0184 | 0.0168 | 3.0000e-005 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | | 3.3749 | 3.3749 | 4.7000e-004 | | | 3.3867 |

11.0 Vegetation

SMPs Project - SMP 40

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

Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

| Phase | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|------|------|-------|------|--------------|---------------|----------|-----------|-----------|------|------|------|
| Percent Reduction | | | | | | | | | | | | |
| Architectural Coating | 0.00 | 0.80 | -0.01 | 0.00 | 0.88 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Building Construction | 0.42 | 0.51 | -0.05 | 0.00 | 0.85 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading | 0.76 | 0.90 | -0.17 | 0.00 | 0.93 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving | 0.44 | 0.88 | -0.18 | 0.00 | 0.92 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

OFFROAD Equipment Mitigation

SMPs Project - SMP 40**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

| Equipment Type | Fuel Type | Tier | Number Mitigated | Total Number of Equipment | DPF | Oxidation Catalyst |
|---------------------------|-----------|--------------|------------------|---------------------------|-----------|--------------------|
| Air Compressors | Diesel | Tier 4 Final | 1 | 1 | No Change | 0.00 |
| Cranes | Diesel | Tier 4 Final | 1 | 1 | No Change | 0.00 |
| Excavators | Diesel | Tier 4 Final | 2 | 2 | No Change | 0.00 |
| Forklifts | Diesel | Tier 4 Final | 3 | 3 | No Change | 0.00 |
| Generator Sets | Diesel | Tier 4 Final | 1 | 1 | No Change | 0.00 |
| Graders | Diesel | Tier 4 Final | 1 | 1 | No Change | 0.00 |
| Pavers | Diesel | Tier 4 Final | 2 | 2 | No Change | 0.00 |
| Paving Equipment | Diesel | Tier 4 Final | 2 | 2 | No Change | 0.00 |
| Rollers | Diesel | Tier 4 Final | 2 | 2 | No Change | 0.00 |
| Rubber Tired Dozers | Diesel | Tier 4 Final | 1 | 1 | No Change | 0.00 |
| Scrapers | Diesel | Tier 4 Final | 2 | 2 | No Change | 0.00 |
| Tractors/Loaders/Backhoes | Diesel | Tier 4 Final | 5 | 5 | No Change | 0.00 |
| Welders | Diesel | Tier 4 Final | 1 | 1 | No Change | 0.00 |

SMPs Project - SMP 40

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

| Equipment Type | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------------------|--------------|--------------|--------------|--------------|--------------|---------------|-------------------|--------------|--------------|--------------|--------------|--------------|
| Unmitigated tons/yr | | | | | | | Unmitigated mt/yr | | | | | |
| Air Compressors | 2.16900E-002 | 1.46260E-001 | 2.17220E-001 | 3.60000E-004 | 7.31000E-003 | 7.31000E-003 | 0.00000E+000 | 3.06390E+001 | 3.06390E+001 | 1.73000E-003 | 0.00000E+000 | 3.06822E+001 |
| Cranes | 3.48300E-002 | 3.67950E-001 | 1.86350E-001 | 6.10000E-004 | 1.53100E-002 | 1.40800E-002 | 0.00000E+000 | 5.32289E+001 | 5.32289E+001 | 1.72200E-002 | 0.00000E+000 | 5.36592E+001 |
| Excavators | 1.13200E-002 | 9.29200E-002 | 1.95470E-001 | 3.10000E-004 | 4.55000E-003 | 4.18000E-003 | 0.00000E+000 | 2.72213E+001 | 2.72213E+001 | 8.80000E-003 | 0.00000E+000 | 2.74414E+001 |
| Forklifts | 3.39100E-002 | 3.18070E-001 | 4.10150E-001 | 5.50000E-004 | 1.83700E-002 | 1.69000E-002 | 0.00000E+000 | 4.83449E+001 | 4.83449E+001 | 1.56400E-002 | 0.00000E+000 | 4.87358E+001 |
| Generator Sets | 3.42100E-002 | 3.05350E-001 | 4.39670E-001 | 7.90000E-004 | 1.32900E-002 | 1.32900E-002 | 0.00000E+000 | 6.78249E+001 | 6.78249E+001 | 2.74000E-003 | 0.00000E+000 | 6.78935E+001 |
| Graders | 1.15000E-002 | 1.39590E-001 | 5.07800E-002 | 2.00000E-004 | 4.52000E-003 | 4.16000E-003 | 0.00000E+000 | 1.74412E+001 | 1.74412E+001 | 5.64000E-003 | 0.00000E+000 | 1.75822E+001 |
| Pavers | 5.72000E-003 | 5.59200E-002 | 8.65300E-002 | 1.40000E-004 | 2.63000E-003 | 2.42000E-003 | 0.00000E+000 | 1.23888E+001 | 1.23888E+001 | 4.01000E-003 | 0.00000E+000 | 1.24890E+001 |
| Paving Equipment | 5.10000E-003 | 4.76600E-002 | 7.67500E-002 | 1.20000E-004 | 2.32000E-003 | 2.13000E-003 | 0.00000E+000 | 1.07356E+001 | 1.07356E+001 | 3.47000E-003 | 0.00000E+000 | 1.08224E+001 |
| Rollers | 4.58000E-003 | 4.79600E-002 | 5.55600E-002 | 8.00000E-005 | 2.63000E-003 | 2.42000E-003 | 0.00000E+000 | 6.91582E+000 | 6.91582E+000 | 2.24000E-003 | 0.00000E+000 | 6.97173E+000 |
| Rubber Tired Dozers | 2.05400E-002 | 2.13810E-001 | 9.31900E-002 | 2.60000E-004 | 9.63000E-003 | 8.86000E-003 | 0.00000E+000 | 2.25073E+001 | 2.25073E+001 | 7.28000E-003 | 0.00000E+000 | 2.26893E+001 |
| Scrapers | 4.72100E-002 | 4.97000E-001 | 3.68220E-001 | 9.10000E-004 | 1.94900E-002 | 1.79300E-002 | 0.00000E+000 | 8.00207E+001 | 8.00207E+001 | 2.58800E-002 | 0.00000E+000 | 8.06677E+001 |
| Tractors/Loaders/Backhoes | 5.44200E-002 | 5.48340E-001 | 8.38090E-001 | 1.17000E-003 | 2.54900E-002 | 2.34500E-002 | 0.00000E+000 | 1.02649E+002 | 1.02649E+002 | 3.32000E-002 | 0.00000E+000 | 1.03479E+002 |
| Welders | 2.83000E-002 | 1.65690E-001 | 1.99640E-001 | 3.10000E-004 | 5.70000E-003 | 5.70000E-003 | 0.00000E+000 | 2.25865E+001 | 2.25865E+001 | 2.31000E-003 | 0.00000E+000 | 2.26441E+001 |

SMPs Project - SMP 40

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

| Equipment Type | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|--------------|--------------|--------------|--------------|--------------|---------------|-----------------|--------------|--------------|--------------|--------------|--------------|
| Mitigated tons/yr | | | | | | | Mitigated mt/yr | | | | | |
| Air Compressors | 3.57000E-003 | 1.54500E-002 | 2.19890E-001 | 3.60000E-004 | 4.80000E-004 | 4.80000E-004 | 0.00000E+000 | 3.06390E+001 | 3.06390E+001 | 1.73000E-003 | 0.00000E+000 | 3.06821E+001 |
| Cranes | 7.44000E-003 | 3.22500E-002 | 2.72930E-001 | 6.10000E-004 | 9.90000E-004 | 9.90000E-004 | 0.00000E+000 | 5.32288E+001 | 5.32288E+001 | 1.72200E-002 | 0.00000E+000 | 5.36592E+001 |
| Excavators | 3.81000E-003 | 1.65200E-002 | 2.35080E-001 | 3.10000E-004 | 5.10000E-004 | 5.10000E-004 | 0.00000E+000 | 2.72213E+001 | 2.72213E+001 | 8.80000E-003 | 0.00000E+000 | 2.74414E+001 |
| Forklifts | 6.78000E-003 | 2.93800E-002 | 4.18170E-001 | 5.50000E-004 | 9.00000E-004 | 9.00000E-004 | 0.00000E+000 | 4.83448E+001 | 4.83448E+001 | 1.56400E-002 | 0.00000E+000 | 4.87357E+001 |
| Generator Sets | 7.89000E-003 | 3.42000E-002 | 4.86760E-001 | 7.90000E-004 | 1.05000E-003 | 1.05000E-003 | 0.00000E+000 | 6.78248E+001 | 6.78248E+001 | 2.74000E-003 | 0.00000E+000 | 6.78934E+001 |
| Graders | 2.43000E-003 | 1.05500E-002 | 8.92500E-002 | 2.00000E-004 | 3.20000E-004 | 3.20000E-004 | 0.00000E+000 | 1.74412E+001 | 1.74412E+001 | 5.64000E-003 | 0.00000E+000 | 1.75822E+001 |
| Pavers | 1.73000E-003 | 7.51000E-003 | 1.06890E-001 | 1.40000E-004 | 2.30000E-004 | 2.30000E-004 | 0.00000E+000 | 1.23888E+001 | 1.23888E+001 | 4.01000E-003 | 0.00000E+000 | 1.24889E+001 |
| Paving Equipment | 1.51000E-003 | 6.54000E-003 | 9.30300E-002 | 1.20000E-004 | 2.00000E-004 | 2.00000E-004 | 0.00000E+000 | 1.07356E+001 | 1.07356E+001 | 3.47000E-003 | 0.00000E+000 | 1.08224E+001 |
| Rollers | 9.70000E-004 | 4.18000E-003 | 5.95100E-002 | 8.00000E-005 | 1.30000E-004 | 1.30000E-004 | 0.00000E+000 | 6.91581E+000 | 6.91581E+000 | 2.24000E-003 | 0.00000E+000 | 6.97173E+000 |
| Rubber Tired Dozers | 3.14000E-003 | 1.35900E-002 | 1.15010E-001 | 2.60000E-004 | 4.20000E-004 | 4.20000E-004 | 0.00000E+000 | 2.25073E+001 | 2.25073E+001 | 7.28000E-003 | 0.00000E+000 | 2.26892E+001 |
| Scrapers | 1.11800E-002 | 4.84700E-002 | 4.10110E-001 | 9.10000E-004 | 1.49000E-003 | 1.49000E-003 | 0.00000E+000 | 8.00206E+001 | 8.00206E+001 | 2.58800E-002 | 0.00000E+000 | 8.06676E+001 |
| Tractors/Loaders/Balckhoes | 1.42400E-002 | 6.17200E-002 | 8.78270E-001 | 1.17000E-003 | 1.90000E-003 | 1.90000E-003 | 0.00000E+000 | 1.02649E+002 | 1.02649E+002 | 3.32000E-002 | 0.00000E+000 | 1.03479E+002 |
| Welders | 5.26000E-003 | 1.20480E-001 | 1.79620E-001 | 3.10000E-004 | 3.50000E-004 | 3.50000E-004 | 0.00000E+000 | 2.25865E+001 | 2.25865E+001 | 2.31000E-003 | 0.00000E+000 | 2.26441E+001 |

SMPs Project - SMP 40

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

| Equipment Type | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|--------------|--------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Percent Reduction | | | | | | | | | | | | |
| Air Compressors | 8.35408E-001 | 8.94366E-001 | -1.22917E-002 | 0.00000E+000 | 9.34337E-001 | 9.34337E-001 | 0.00000E+000 | 9.79143E-007 | 9.79143E-007 | 0.00000E+000 | 0.00000E+000 | 1.30369E-006 |
| Cranes | 7.86391E-001 | 9.12352E-001 | -4.64610E-001 | 0.00000E+000 | 9.35336E-001 | 9.29688E-001 | 0.00000E+000 | 1.31508E-006 | 1.31508E-006 | 0.00000E+000 | 0.00000E+000 | 1.11817E-006 |
| Excavators | 6.63428E-001 | 8.22213E-001 | -2.02640E-001 | 0.00000E+000 | 8.87912E-001 | 8.77990E-001 | 0.00000E+000 | 1.10208E-006 | 1.10208E-006 | 0.00000E+000 | 0.00000E+000 | 1.09324E-006 |
| Forklifts | 8.00059E-001 | 9.07630E-001 | -1.95538E-002 | 0.00000E+000 | 9.51007E-001 | 9.46746E-001 | 0.00000E+000 | 1.24108E-006 | 1.24108E-006 | 0.00000E+000 | 0.00000E+000 | 1.02594E-006 |
| Generator Sets | 7.69366E-001 | 8.87997E-001 | -1.07103E-001 | 0.00000E+000 | 9.20993E-001 | 9.20993E-001 | 0.00000E+000 | 1.17951E-006 | 1.17951E-006 | 0.00000E+000 | 0.00000E+000 | 1.17832E-006 |
| Graders | 7.88696E-001 | 9.24422E-001 | -7.57582E-001 | 0.00000E+000 | 9.29204E-001 | 9.23077E-001 | 0.00000E+000 | 1.14671E-006 | 1.14671E-006 | 0.00000E+000 | 0.00000E+000 | 1.13751E-006 |
| Pavers | 6.97552E-001 | 8.65701E-001 | -2.35294E-001 | 0.00000E+000 | 9.12548E-001 | 9.04959E-001 | 0.00000E+000 | 1.61436E-006 | 1.61436E-006 | 0.00000E+000 | 0.00000E+000 | 1.60141E-006 |
| Paving Equipment | 7.03922E-001 | 8.62778E-001 | -2.12117E-001 | 0.00000E+000 | 9.13793E-001 | 9.06103E-001 | 0.00000E+000 | 9.31478E-007 | 9.31478E-007 | 0.00000E+000 | 0.00000E+000 | 9.24007E-007 |
| Rollers | 7.88210E-001 | 9.12844E-001 | -7.10943E-002 | 0.00000E+000 | 9.50570E-001 | 9.46281E-001 | 0.00000E+000 | 1.44596E-006 | 1.44596E-006 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 |
| Rubber Tired Dozers | 8.47128E-001 | 9.36439E-001 | -2.34145E-001 | 0.00000E+000 | 9.56386E-001 | 9.52596E-001 | 0.00000E+000 | 8.88602E-007 | 8.88602E-007 | 0.00000E+000 | 0.00000E+000 | 1.32221E-006 |
| Scrapers | 7.63186E-001 | 9.02475E-001 | -1.13764E-001 | 0.00000E+000 | 9.23551E-001 | 9.16899E-001 | 0.00000E+000 | 1.12471E-006 | 1.12471E-006 | 0.00000E+000 | 0.00000E+000 | 1.11569E-006 |
| Tractors/Loaders/Balckhoes | 7.38331E-001 | 8.87442E-001 | -4.79423E-002 | 0.00000E+000 | 9.25461E-001 | 9.18977E-001 | 0.00000E+000 | 1.16903E-006 | 1.16903E-006 | 0.00000E+000 | 0.00000E+000 | 1.15966E-006 |
| Welders | 8.14134E-001 | 2.72859E-001 | 1.00281E-001 | 0.00000E+000 | 9.38596E-001 | 9.38596E-001 | 0.00000E+000 | 1.32823E-006 | 1.32823E-006 | 0.00000E+000 | 0.00000E+000 | 8.83232E-007 |

Fugitive Dust Mitigation

Yes/No Mitigation Measure Mitigation Input Mitigation Input Mitigation Input

| | | | | | |
|----|-----------------------------------|----------------|------|-----------------|------|
| No | Soil Stabilizer for unpaved Roads | PM10 Reduction | 0.00 | PM2.5 Reduction | 0.00 |
|----|-----------------------------------|----------------|------|-----------------|------|

SMPs Project - SMP 40

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

| | | | | | | | |
|----|--|--------------------|------|---------------------|------|---------------------|--|
| No | Replace Ground Cover of Area Disturbed | PM10 Reduction | 0.00 | PM2.5 Reduction | 0.00 | | |
| No | Water Exposed Area | PM10 Reduction | 0.00 | PM2.5 Reduction | 0.00 | Frequency (per day) | |
| No | Unpaved Road Mitigation | Moisture Content % | 0.00 | Vehicle Speed (mph) | 0.00 | | |
| No | Clean Paved Road | % PM Reduction | 0.00 | | | | |

| Phase | Source | Unmitigated | | Mitigated | | Percent Reduction | |
|-----------------------|---------------|-------------|-------|-----------|-------|-------------------|-------|
| | | PM10 | PM2.5 | PM10 | PM2.5 | PM10 | PM2.5 |
| Architectural Coating | Fugitive Dust | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Architectural Coating | Roads | 0.09 | 0.02 | 0.09 | 0.02 | 0.00 | 0.00 |
| Building Construction | Fugitive Dust | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Building Construction | Roads | 0.57 | 0.15 | 0.57 | 0.15 | 0.00 | 0.00 |
| Grading | Fugitive Dust | 0.28 | 0.11 | 0.28 | 0.11 | 0.00 | 0.00 |
| Grading | Roads | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving | Fugitive Dust | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving | Roads | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Operational Percent Reduction Summary

| Category | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|------|------|------|------|--------------|---------------|----------|-----------|-----------|------|------|------|
| Percent Reduction | | | | | | | | | | | | |
| Architectural Coating | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

SMPs Project - SMP 40

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

| | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Consumer Products | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hearth | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Landscaping | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mobile | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Natural Gas | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Water Indoor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Water Outdoor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Operational Mobile Mitigation

Project Setting: Suburban Center

| Mitigation | Category | Measure | % Reduction | Input Value 1 | Input Value 2 | Input Value 3 |
|------------|---------------------------|-------------------------------------|-------------|---------------|---------------|---------------|
| No | Land Use | Increase Density | 0.00 | 0.00 | 0.00 | |
| No | Land Use | Increase Diversity | 0.07 | 0.27 | | |
| No | Land Use | Improve Walkability Design | 0.00 | 0.00 | | |
| No | Land Use | Improve Destination Accessibility | 0.00 | 0.00 | | |
| No | Land Use | Increase Transit Accessibility | 0.25 | | | |
| No | Land Use | Integrate Below Market Rate Housing | 0.00 | 0.00 | | |
| | Land Use | Land Use SubTotal | 0.00 | | | |
| No | Neighborhood Enhancements | Improve Pedestrian Network | 1.00 | Project Site | | |
| No | Neighborhood Enhancements | Provide Traffic Calming Measures | | | | |

SMPs Project - SMP 40

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

| | | | | | |
|----|---------------------------|--|-------|------|------|
| No | Neighborhood Enhancements | Implement NEV Network | 0.00 | | |
| | Neighborhood Enhancements | Neighborhood Enhancements Subtotal | 0.00 | | |
| No | Parking Policy Pricing | Limit Parking Supply | 0.00 | 0.00 | |
| No | Parking Policy Pricing | Unbundle Parking Costs | 0.00 | 0.00 | |
| No | Parking Policy Pricing | On-street Market Pricing | 0.00 | 0.00 | |
| | Parking Policy Pricing | Parking Policy Pricing Subtotal | 0.00 | | |
| No | Transit Improvements | Provide BRT System | 0.00 | 0.00 | |
| No | Transit Improvements | Expand Transit Network | 0.00 | 0.00 | |
| No | Transit Improvements | Increase Transit Frequency | 0.00 | | 0.00 |
| | Transit Improvements | Transit Improvements Subtotal | 0.00 | | |
| | | Land Use and Site Enhancement Subtotal | 0.00 | | |
| No | Commute | Implement Trip Reduction Program | | | |
| No | Commute | Transit Subsidy | | | |
| No | Commute | Implement Employee Parking "Cash Out" | 4.50 | | |
| No | Commute | Workplace Parking Charge | | 0.00 | |
| No | Commute | Encourage Telecommuting and Alternative Work Schedules | 0.00 | | |
| No | Commute | Market Commute Trip Reduction Option | 0.00 | | |
| No | Commute | Employee Vanpool/Shuttle | 0.00 | | 2.00 |
| No | Commute | Provide Ride Sharing Program | 10.00 | | |
| | Commute | Commute Subtotal | 0.00 | | |
| No | School Trip | Implement School Bus Program | 0.00 | | |

SMPs Project - SMP 40

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

| | | | | |
|--|---------------------|------|--|--|
| | Total VMT Reduction | 0.00 | | |
|--|---------------------|------|--|--|

Area Mitigation

| Measure Implemented | Mitigation Measure | Input Value |
|---------------------|--|-------------|
| No | Only Natural Gas Hearth | |
| No | No Hearth | |
| No | Use Low VOC Cleaning Supplies | |
| No | Use Low VOC Paint (Residential Interior) | 100.00 |
| No | Use Low VOC Paint (Residential Exterior) | 150.00 |
| No | Use Low VOC Paint (Non-residential Interior) | 100.00 |
| No | Use Low VOC Paint (Non-residential Exterior) | 150.00 |
| No | Use Low VOC Paint (Parking) | 150.00 |
| No | % Electric Lawnmower | |
| No | % Electric Leafblower | |
| No | % Electric Chainsaw | |

Energy Mitigation Measures

| Measure Implemented | Mitigation Measure | Input Value 1 | Input Value 2 |
|---------------------|----------------------------------|---------------|---------------|
| No | Exceed Title 24 | | |
| No | Install High Efficiency Lighting | | |
| No | On-site Renewable | | |

SMPs Project - SMP 40

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

| Appliance Type | Land Use Subtype | % Improvement |
|----------------|------------------|---------------|
| ClothWasher | | 30.00 |
| DishWasher | | 15.00 |
| Fan | | 50.00 |
| Refrigerator | | 15.00 |

Water Mitigation Measures

| Measure Implemented | Mitigation Measure | Input Value 1 | Input Value 2 |
|---------------------|--|---------------|---------------|
| Yes | Apply Water Conservation on Strategy | 0.00 | 20.00 |
| No | Use Reclaimed Water | 0.00 | 0.00 |
| No | Use Grey Water | 0.00 | |
| No | Install low-flow bathroom faucet | 32.00 | |
| No | Install low-flow Kitchen faucet | 18.00 | |
| No | Install low-flow Toilet | 20.00 | |
| No | Install low-flow Shower | 20.00 | |
| No | Turf Reduction | 0.00 | |
| No | Use Water Efficient Irrigation Systems | 6.10 | |
| No | Water Efficient Landscape | 0.00 | 0.00 |

Solid Waste Mitigation

| Mitigation Measures | Input Value |
|---------------------|-------------|
|---------------------|-------------|

SMPs Project - SMP 40

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

| | |
|--|--|
| Institute Recycling and Composting Services Percent Reduction in Waste Disposed | |
|--|--|

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

SMPs Project - SMP 40 - Mitigated

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 758.81 | 1000sqft | 33.31 | 758,808.00 | 0 |
| Parking Lot | 799.00 | Space | 7.19 | 319,600.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 64 |
| Climate Zone | 4 | | | Operational Year | 2025 |
| Utility Company | Pacific Gas and Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 203.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to represent total project site acreage.

Construction Phase - Phase timing adjusted based on applicant provided information. Architectural coating assumed to start two weeks after building construction and last for the same duration.

Trips and VMT - Import of soil during grading would be from adjoining property, hauling truck trips on local streets would not occur.

Grading - Based on AQ Questionnaire.

Vehicle Trips - Based on project-specific trip rates provided in TIS prepared by TJKM.

Construction Off-road Equipment Mitigation - Based on AQ Questionnaire.

Mobile Land Use Mitigation -

Water Mitigation - Compliant with MWEL0.

Operational Off-Road Equipment - Fuel type adjusted to be consistent with requirements of Mitigation Measure 4.2-2 from EIR.

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

Stationary Sources - Emergency Generators and Fire Pumps - Based on applicant provided info.

| Table Name | Column Name | Default Value | New Value |
|---------------------------------|----------------------------|---------------|------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstructionPhase | NumDays | 55.00 | 240.00 |
| tblConstructionPhase | NumDays | 740.00 | 240.00 |
| tblConstructionPhase | NumDays | 75.00 | 60.00 |
| tblConstructionPhase | NumDays | 55.00 | 30.00 |
| tblGrading | MaterialImported | 0.00 | 7,000.00 |
| tblLandUse | LandUseSquareFeet | 758,810.00 | 758,808.00 |
| tblLandUse | LotAcreage | 17.42 | 33.31 |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | CNG |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | Electrical |
| tblOperationalOffRoadEquipment | OperLoadFactor | 0.20 | 0.20 |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 22.00 |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 8.00 |
| tblStationaryGeneratorsPumpsUse | HorsePowerValue | 0.00 | 201.00 |

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

| | | | |
|---------------------------------|-------------------|--------|-------|
| tblStationaryGeneratorsPumpsUse | HoursPerDay | 0.00 | 0.01 |
| tblStationaryGeneratorsPumpsUse | HoursPerYear | 0.00 | 3.00 |
| tblStationaryGeneratorsPumpsUse | NumberOfEquipment | 0.00 | 2.00 |
| tblTripsAndVMT | HaulingTripNumber | 875.00 | 0.00 |
| tblVehicleTrips | CC_TL | 7.30 | 9.79 |
| tblVehicleTrips | CNW_TL | 7.30 | 9.79 |
| tblVehicleTrips | CW_TL | 9.50 | 12.75 |
| tblVehicleTrips | ST_TR | 1.74 | 1.40 |
| tblVehicleTrips | SU_TR | 1.74 | 1.40 |
| tblVehicleTrips | WD_TR | 1.74 | 1.40 |

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 | | | | | |
| 2023 | 0.1233 | 1.1694 | 1.0488 | 2.2100e-003 | 0.2828 | 0.0494 | 0.3322 | 0.1113 | 0.0455 | 0.1568 | 0.0000 | 194.5640 | 194.5640 | 0.0615 | 1.4000e-004 | 196.1411 |
| 2024 | 4.4033 | 2.8255 | 3.8288 | 0.0121 | 0.6554 | 0.0900 | 0.7454 | 0.1776 | 0.0851 | 0.2627 | 0.0000 | 1,120.0862 | 1,120.0862 | 0.0879 | 0.0714 | 1,143.5563 |
| Maximum | 4.4033 | 2.8255 | 3.8288 | 0.0121 | 0.6554 | 0.0900 | 0.7454 | 0.1776 | 0.0851 | 0.2627 | 0.0000 | 1,120.0862 | 1,120.0862 | 0.0879 | 0.0714 | 1,143.5563 |

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 | | | | | |
| 2023 | 0.0700 | 1.0393 | 1.3341 | 2.2100e-003 | 0.2828 | 0.0438 | 0.3266 | 0.1113 | 0.0433 | 0.1546 | 0.0000 | 194.5638 | 194.5638 | 0.0615 | 1.4000e-004 | 196.1409 |
| 2024 | 4.3828 | 2.7491 | 3.9698 | 0.0121 | 0.6554 | 0.0858 | 0.7412 | 0.1776 | 0.0821 | 0.2597 | 0.0000 | 1,120.0858 | 1,120.0858 | 0.0879 | 0.0714 | 1,143.5559 |
| Maximum | 4.3828 | 2.7491 | 3.9698 | 0.0121 | 0.6554 | 0.0858 | 0.7412 | 0.1776 | 0.0821 | 0.2597 | 0.0000 | 1,120.0858 | 1,120.0858 | 0.0879 | 0.0714 | 1,143.5559 |

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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 | 1.63 | 5.17 | -8.74 | 0.00 | 0.00 | 7.02 | 0.91 | 0.00 | 3.91 | 1.22 | 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 | 9-1-2023 | 11-30-2023 | 1.1676 | 0.9729 |
| 2 | 12-1-2023 | 2-29-2024 | 1.1795 | 1.1773 |
| 3 | 3-1-2024 | 5-31-2024 | 1.9706 | 1.9432 |
| 4 | 6-1-2024 | 8-31-2024 | 1.9634 | 1.9360 |
| 5 | 9-1-2024 | 9-30-2024 | 0.6402 | 0.6313 |
| | | Highest | 1.9706 | 1.9432 |

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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 | 3.3878 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0278 | 0.0278 | 7.0000e-005 | 0.0000 | 0.0297 |
| Energy | 0.0141 | 0.1280 | 0.1075 | 7.7000e-004 | | 9.7200e-003 | 9.7200e-003 | | 9.7200e-003 | 9.7200e-003 | 0.0000 | 395.3725 | 395.3725 | 0.0441 | 7.5800e-003 | 398.7324 |
| Mobile | 0.5571 | 0.7149 | 5.9502 | 0.0137 | 1.5338 | 9.7700e-003 | 1.5435 | 0.4098 | 9.1000e-003 | 0.4189 | 0.0000 | 1,293.5880 | 1,293.5880 | 0.0710 | 0.0558 | 1,312.0036 |
| Offroad | 0.0573 | 2.7389 | 27.3397 | 4.3700e-003 | | 0.0532 | 0.0532 | | 0.0532 | 0.0532 | 0.0000 | 501.5298 | 501.5298 | 0.1622 | 0.0000 | 505.5849 |
| Stationary | 9.9000e-004 | 2.7700e-003 | 2.5200e-003 | 0.0000 | | 1.5000e-004 | 1.5000e-004 | | 1.5000e-004 | 1.5000e-004 | 0.0000 | 0.4592 | 0.4592 | 6.0000e-005 | 0.0000 | 0.4609 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 144.7894 | 0.0000 | 144.7894 | 8.5568 | 0.0000 | 358.7096 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 55.6701 | 87.8508 | 143.5209 | 5.7321 | 0.1367 | 327.5690 |
| Total | 4.0173 | 3.5847 | 33.4142 | 0.0188 | 1.5338 | 0.0728 | 1.6066 | 0.4098 | 0.0722 | 0.4819 | 200.4595 | 2,278.8282 | 2,479.2876 | 14.5663 | 0.2002 | 2,903.0900 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Annual

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 | 3.3878 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0278 | 0.0278 | 7.0000e-005 | 0.0000 | 0.0297 |
| Energy | 0.0141 | 0.1280 | 0.1075 | 7.7000e-004 | | 9.7200e-003 | 9.7200e-003 | | 9.7200e-003 | 9.7200e-003 | 0.0000 | 395.3725 | 395.3725 | 0.0441 | 7.5800e-003 | 398.7324 |
| Mobile | 0.5571 | 0.7149 | 5.9502 | 0.0137 | 1.5338 | 9.7700e-003 | 1.5435 | 0.4098 | 9.1000e-003 | 0.4189 | 0.0000 | 1,293.5880 | 1,293.5880 | 0.0710 | 0.0558 | 1,312.0036 |
| Offroad | 0.0573 | 2.7389 | 27.3397 | 4.3700e-003 | | 0.0532 | 0.0532 | | 0.0532 | 0.0532 | 0.0000 | 501.5298 | 501.5298 | 0.1622 | 0.0000 | 505.5849 |
| Stationary | 9.9000e-004 | 2.7700e-003 | 2.5200e-003 | 0.0000 | | 1.5000e-004 | 1.5000e-004 | | 1.5000e-004 | 1.5000e-004 | 0.0000 | 0.4592 | 0.4592 | 6.0000e-005 | 0.0000 | 0.4609 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 144.7894 | 0.0000 | 144.7894 | 8.5568 | 0.0000 | 358.7096 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 55.6701 | 87.8508 | 143.5209 | 5.7321 | 0.1367 | 327.5690 |
| Total | 4.0173 | 3.5847 | 33.4142 | 0.0188 | 1.5338 | 0.0728 | 1.6066 | 0.4098 | 0.0722 | 0.4819 | 200.4595 | 2,278.8282 | 2,479.2876 | 14.5663 | 0.2002 | 2,903.0900 |

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

3.0 Construction Detail

Construction Phase

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

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Grading | Grading | 9/1/2023 | 11/23/2023 | 5 | 60 | |
| 2 | Paving | Paving | 11/24/2023 | 1/4/2024 | 5 | 30 | |
| 3 | Building Construction | Building Construction | 1/5/2024 | 12/5/2024 | 5 | 240 | |
| 4 | Architectural Coating | Architectural Coating | 1/19/2024 | 12/19/2024 | 5 | 240 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 180

Acres of Paving: 7.19

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,138,212; Non-Residential Outdoor: 379,404; Striped Parking Area: 19,176 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Grading | Excavators | 2 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

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

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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Grading | 8 | 20.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 453.00 | 177.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 91.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Grading - 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 | | | | | |
| Fugitive Dust | | | | | 0.2765 | 0.0000 | 0.2765 | 0.1097 | 0.0000 | 0.1097 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0997 | 1.0355 | 0.8415 | 1.8600e-003 | | 0.0427 | 0.0427 | | 0.0393 | 0.0393 | 0.0000 | 163.6056 | 163.6056 | 0.0529 | 0.0000 | 164.9285 |
| Total | 0.0997 | 1.0355 | 0.8415 | 1.8600e-003 | 0.2765 | 0.0427 | 0.3192 | 0.1097 | 0.0393 | 0.1490 | 0.0000 | 163.6056 | 163.6056 | 0.0529 | 0.0000 | 164.9285 |

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

3.2 Grading - 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 1.5400e-003 | 1.0500e-003 | 0.0133 | 4.0000e-005 | 4.7400e-003 | 2.0000e-005 | 4.7700e-003 | 1.2600e-003 | 2.0000e-005 | 1.2800e-003 | 0.0000 | 3.7158 | 3.7158 | 1.1000e-004 | 1.0000e-004 | 3.7489 |
| Total | 1.5400e-003 | 1.0500e-003 | 0.0133 | 4.0000e-005 | 4.7400e-003 | 2.0000e-005 | 4.7700e-003 | 1.2600e-003 | 2.0000e-005 | 1.2800e-003 | 0.0000 | 3.7158 | 3.7158 | 1.1000e-004 | 1.0000e-004 | 3.7489 |

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 | | | | | 0.2765 | 0.0000 | 0.2765 | 0.1097 | 0.0000 | 0.1097 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0502 | 0.8874 | 1.0950 | 1.8600e-003 | | 0.0362 | 0.0362 | | 0.0359 | 0.0359 | 0.0000 | 163.6054 | 163.6054 | 0.0529 | 0.0000 | 164.9283 |
| Total | 0.0502 | 0.8874 | 1.0950 | 1.8600e-003 | 0.2765 | 0.0362 | 0.3127 | 0.1097 | 0.0359 | 0.1456 | 0.0000 | 163.6054 | 163.6054 | 0.0529 | 0.0000 | 164.9283 |

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

3.2 Grading - 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 1.5400e-003 | 1.0500e-003 | 0.0133 | 4.0000e-005 | 4.7400e-003 | 2.0000e-005 | 4.7700e-003 | 1.2600e-003 | 2.0000e-005 | 1.2800e-003 | 0.0000 | 3.7158 | 3.7158 | 1.1000e-004 | 1.0000e-004 | 3.7489 |
| Total | 1.5400e-003 | 1.0500e-003 | 0.0133 | 4.0000e-005 | 4.7400e-003 | 2.0000e-005 | 4.7700e-003 | 1.2600e-003 | 2.0000e-005 | 1.2800e-003 | 0.0000 | 3.7158 | 3.7158 | 1.1000e-004 | 1.0000e-004 | 3.7489 |

3.3 Paving - 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 | 0.0134 | 0.1325 | 0.1896 | 3.0000e-004 | | 6.6300e-003 | 6.6300e-003 | | 6.1000e-003 | 6.1000e-003 | 0.0000 | 26.0349 | 26.0349 | 8.4200e-003 | 0.0000 | 26.2454 |
| Paving | 8.1600e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0216 | 0.1325 | 0.1896 | 3.0000e-004 | | 6.6300e-003 | 6.6300e-003 | | 6.1000e-003 | 6.1000e-003 | 0.0000 | 26.0349 | 26.0349 | 8.4200e-003 | 0.0000 | 26.2454 |

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

3.3 Paving - 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 5.0000e-004 | 3.4000e-004 | 4.3200e-003 | 1.0000e-005 | 1.5400e-003 | 1.0000e-005 | 1.5500e-003 | 4.1000e-004 | 1.0000e-005 | 4.2000e-004 | 0.0000 | 1.2076 | 1.2076 | 3.0000e-005 | 3.0000e-005 | 1.2184 |
| Total | 5.0000e-004 | 3.4000e-004 | 4.3200e-003 | 1.0000e-005 | 1.5400e-003 | 1.0000e-005 | 1.5500e-003 | 4.1000e-004 | 1.0000e-005 | 4.2000e-004 | 0.0000 | 1.2076 | 1.2076 | 3.0000e-005 | 3.0000e-005 | 1.2184 |

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 | 9.6200e-003 | 0.1505 | 0.2214 | 3.0000e-004 | | 7.5500e-003 | 7.5500e-003 | | 7.3600e-003 | 7.3600e-003 | 0.0000 | 26.0349 | 26.0349 | 8.4200e-003 | 0.0000 | 26.2454 |
| Paving | 8.1600e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0178 | 0.1505 | 0.2214 | 3.0000e-004 | | 7.5500e-003 | 7.5500e-003 | | 7.3600e-003 | 7.3600e-003 | 0.0000 | 26.0349 | 26.0349 | 8.4200e-003 | 0.0000 | 26.2454 |

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

3.3 Paving - 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 5.0000e-004 | 3.4000e-004 | 4.3200e-003 | 1.0000e-005 | 1.5400e-003 | 1.0000e-005 | 1.5500e-003 | 4.1000e-004 | 1.0000e-005 | 4.2000e-004 | 0.0000 | 1.2076 | 1.2076 | 3.0000e-005 | 3.0000e-005 | 1.2184 |
| Total | 5.0000e-004 | 3.4000e-004 | 4.3200e-003 | 1.0000e-005 | 1.5400e-003 | 1.0000e-005 | 1.5500e-003 | 4.1000e-004 | 1.0000e-005 | 4.2000e-004 | 0.0000 | 1.2076 | 1.2076 | 3.0000e-005 | 3.0000e-005 | 1.2184 |

3.3 Paving - 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 | 1.9800e-003 | 0.0191 | 0.0293 | 5.0000e-005 | | 9.4000e-004 | 9.4000e-004 | | 8.6000e-004 | 8.6000e-004 | 0.0000 | 4.0053 | 4.0053 | 1.3000e-003 | 0.0000 | 4.0377 |
| Paving | 1.2600e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 3.2400e-003 | 0.0191 | 0.0293 | 5.0000e-005 | | 9.4000e-004 | 9.4000e-004 | | 8.6000e-004 | 8.6000e-004 | 0.0000 | 4.0053 | 4.0053 | 1.3000e-003 | 0.0000 | 4.0377 |

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

3.3 Paving - 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 | 7.0000e-005 | 5.0000e-005 | 6.2000e-004 | 0.0000 | 2.4000e-004 | 0.0000 | 2.4000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1812 | 0.1812 | 0.0000 | 0.0000 | 0.1827 |
| Total | 7.0000e-005 | 5.0000e-005 | 6.2000e-004 | 0.0000 | 2.4000e-004 | 0.0000 | 2.4000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1812 | 0.1812 | 0.0000 | 0.0000 | 0.1827 |

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 | 1.4500e-003 | 0.0228 | 0.0341 | 5.0000e-005 | | 1.1300e-003 | 1.1300e-003 | | 1.1000e-003 | 1.1000e-003 | 0.0000 | 4.0053 | 4.0053 | 1.3000e-003 | 0.0000 | 4.0377 |
| Paving | 1.2600e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 2.7100e-003 | 0.0228 | 0.0341 | 5.0000e-005 | | 1.1300e-003 | 1.1300e-003 | | 1.1000e-003 | 1.1000e-003 | 0.0000 | 4.0053 | 4.0053 | 1.3000e-003 | 0.0000 | 4.0377 |

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

3.3 Paving - 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 | 7.0000e-005 | 5.0000e-005 | 6.2000e-004 | 0.0000 | 2.4000e-004 | 0.0000 | 2.4000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1812 | 0.1812 | 0.0000 | 0.0000 | 0.1827 |
| Total | 7.0000e-005 | 5.0000e-005 | 6.2000e-004 | 0.0000 | 2.4000e-004 | 0.0000 | 2.4000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1812 | 0.1812 | 0.0000 | 0.0000 | 0.1827 |

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 | 0.1766 | 1.6133 | 1.9400 | 3.2300e-003 | | 0.0736 | 0.0736 | | 0.0692 | 0.0692 | 0.0000 | 278.2189 | 278.2189 | 0.0658 | 0.0000 | 279.8637 |
| Total | 0.1766 | 1.6133 | 1.9400 | 3.2300e-003 | | 0.0736 | 0.0736 | | 0.0692 | 0.0692 | 0.0000 | 278.2189 | 278.2189 | 0.0658 | 0.0000 | 279.8637 |

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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 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 | 0.0220 | 0.9448 | 0.2892 | 4.2400e-003 | 0.1394 | 5.5700e-003 | 0.1449 | 0.0403 | 5.3300e-003 | 0.0456 | 0.0000 | 412.7347 | 412.7347 | 8.5000e-003 | 0.0611 | 431.1390 |
| Worker | 0.1302 | 0.0850 | 1.1263 | 3.5100e-003 | 0.4295 | 2.1100e-003 | 0.4317 | 0.1143 | 1.9400e-003 | 0.1162 | 0.0000 | 328.3475 | 328.3475 | 8.7800e-003 | 8.6100e-003 | 331.1322 |
| Total | 0.1522 | 1.0298 | 1.4155 | 7.7500e-003 | 0.5689 | 7.6800e-003 | 0.5766 | 0.1546 | 7.2700e-003 | 0.1619 | 0.0000 | 741.0822 | 741.0822 | 0.0173 | 0.0697 | 762.2711 |

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 | 0.1566 | 1.5331 | 2.0762 | 3.2300e-003 | | 0.0692 | 0.0692 | | 0.0661 | 0.0661 | 0.0000 | 278.2186 | 278.2186 | 0.0658 | 0.0000 | 279.8634 |
| Total | 0.1566 | 1.5331 | 2.0762 | 3.2300e-003 | | 0.0692 | 0.0692 | | 0.0661 | 0.0661 | 0.0000 | 278.2186 | 278.2186 | 0.0658 | 0.0000 | 279.8634 |

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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 | 0.0220 | 0.9448 | 0.2892 | 4.2400e-003 | 0.1394 | 5.5700e-003 | 0.1449 | 0.0403 | 5.3300e-003 | 0.0456 | 0.0000 | 412.7347 | 412.7347 | 8.5000e-003 | 0.0611 | 431.1390 |
| Worker | 0.1302 | 0.0850 | 1.1263 | 3.5100e-003 | 0.4295 | 2.1100e-003 | 0.4317 | 0.1143 | 1.9400e-003 | 0.1162 | 0.0000 | 328.3475 | 328.3475 | 8.7800e-003 | 8.6100e-003 | 331.1322 |
| Total | 0.1522 | 1.0298 | 1.4155 | 7.7500e-003 | 0.5689 | 7.6800e-003 | 0.5766 | 0.1546 | 7.2700e-003 | 0.1619 | 0.0000 | 741.0822 | 741.0822 | 0.0173 | 0.0697 | 762.2711 |

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 | 4.0234 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0217 | 0.1463 | 0.2172 | 3.6000e-004 | | 7.3100e-003 | 7.3100e-003 | | 7.3100e-003 | 7.3100e-003 | 0.0000 | 30.6390 | 30.6390 | 1.7300e-003 | 0.0000 | 30.6822 |
| Total | 4.0451 | 0.1463 | 0.2172 | 3.6000e-004 | | 7.3100e-003 | 7.3100e-003 | | 7.3100e-003 | 7.3100e-003 | 0.0000 | 30.6390 | 30.6390 | 1.7300e-003 | 0.0000 | 30.6822 |

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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 | 0.0262 | 0.0171 | 0.2263 | 7.0000e-004 | 0.0863 | 4.2000e-004 | 0.0867 | 0.0230 | 3.9000e-004 | 0.0234 | 0.0000 | 65.9594 | 65.9594 | 1.7600e-003 | 1.7300e-003 | 66.5188 |
| Total | 0.0262 | 0.0171 | 0.2263 | 7.0000e-004 | 0.0863 | 4.2000e-004 | 0.0867 | 0.0230 | 3.9000e-004 | 0.0234 | 0.0000 | 65.9594 | 65.9594 | 1.7600e-003 | 1.7300e-003 | 66.5188 |

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 | 4.0234 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0217 | 0.1463 | 0.2172 | 3.6000e-004 | | 7.3100e-003 | 7.3100e-003 | | 7.3100e-003 | 7.3100e-003 | 0.0000 | 30.6390 | 30.6390 | 1.7300e-003 | 0.0000 | 30.6821 |
| Total | 4.0451 | 0.1463 | 0.2172 | 3.6000e-004 | | 7.3100e-003 | 7.3100e-003 | | 7.3100e-003 | 7.3100e-003 | 0.0000 | 30.6390 | 30.6390 | 1.7300e-003 | 0.0000 | 30.6821 |

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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 | 0.0262 | 0.0171 | 0.2263 | 7.0000e-004 | 0.0863 | 4.2000e-004 | 0.0867 | 0.0230 | 3.9000e-004 | 0.0234 | 0.0000 | 65.9594 | 65.9594 | 1.7600e-003 | 1.7300e-003 | 66.5188 |
| Total | 0.0262 | 0.0171 | 0.2263 | 7.0000e-004 | 0.0863 | 4.2000e-004 | 0.0867 | 0.0230 | 3.9000e-004 | 0.0234 | 0.0000 | 65.9594 | 65.9594 | 1.7600e-003 | 1.7300e-003 | 66.5188 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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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 | 0.5571 | 0.7149 | 5.9502 | 0.0137 | 1.5338 | 9.7700e-003 | 1.5435 | 0.4098 | 9.1000e-003 | 0.4189 | 0.0000 | 1,293.5880 | 1,293.5880 | 0.0710 | 0.0558 | 1,312.0036 |
| Unmitigated | 0.5571 | 0.7149 | 5.9502 | 0.0137 | 1.5338 | 9.7700e-003 | 1.5435 | 0.4098 | 9.1000e-003 | 0.4189 | 0.0000 | 1,293.5880 | 1,293.5880 | 0.0710 | 0.0558 | 1,312.0036 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|-----------------|-----------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 1,062.33 | 1,062.33 | 1,062.33 | 4,161,048 | 4,161,048 |
| Total | 1,062.33 | 1,062.33 | 1,062.33 | 4,161,048 | 4,161,048 |

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 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No Rail | 12.75 | 9.79 | 9.79 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Parking Lot | 0.553839 | 0.058700 | 0.188468 | 0.120786 | 0.022796 | 0.005663 | 0.010629 | 0.007566 | 0.000983 | 0.000556 | 0.026354 | 0.000841 | 0.002820 |
| Unrefrigerated Warehouse-No Rail | 0.553839 | 0.058700 | 0.188468 | 0.120786 | 0.022796 | 0.005663 | 0.010629 | 0.007566 | 0.000983 | 0.000556 | 0.026354 | 0.000841 | 0.002820 |

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|---------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 256.0769 | 256.0769 | 0.0414 | 5.0200e-003 | 258.6091 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 256.0769 | 256.0769 | 0.0414 | 5.0200e-003 | 258.6091 |
| NaturalGas Mitigated | 0.0141 | 0.1280 | 0.1075 | 7.7000e-004 | | 9.7200e-003 | 9.7200e-003 | | 9.7200e-003 | 9.7200e-003 | 0.0000 | 139.2955 | 139.2955 | 2.6700e-003 | 2.5500e-003 | 140.1233 |
| NaturalGas Unmitigated | 0.0141 | 0.1280 | 0.1075 | 7.7000e-004 | | 9.7200e-003 | 9.7200e-003 | | 9.7200e-003 | 9.7200e-003 | 0.0000 | 139.2955 | 139.2955 | 2.6700e-003 | 2.5500e-003 | 140.1233 |

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5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 2.6103e+006 | 0.0141 | 0.1280 | 0.1075 | 7.7000e-004 | | 9.7200e-003 | 9.7200e-003 | | 9.7200e-003 | 9.7200e-003 | 0.0000 | 139.2955 | 139.2955 | 2.6700e-003 | 2.5500e-003 | 140.1233 |
| Total | | 0.0141 | 0.1280 | 0.1075 | 7.7000e-004 | | 9.7200e-003 | 9.7200e-003 | | 9.7200e-003 | 9.7200e-003 | 0.0000 | 139.2955 | 139.2955 | 2.6700e-003 | 2.5500e-003 | 140.1233 |

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 2.6103e+006 | 0.0141 | 0.1280 | 0.1075 | 7.7000e-004 | | 9.7200e-003 | 9.7200e-003 | | 9.7200e-003 | 9.7200e-003 | 0.0000 | 139.2955 | 139.2955 | 2.6700e-003 | 2.5500e-003 | 140.1233 |
| Total | | 0.0141 | 0.1280 | 0.1075 | 7.7000e-004 | | 9.7200e-003 | 9.7200e-003 | | 9.7200e-003 | 9.7200e-003 | 0.0000 | 139.2955 | 139.2955 | 2.6700e-003 | 2.5500e-003 | 140.1233 |

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5.3 Energy by Land Use - Electricity

Unmitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Parking Lot | 111860 | 10.3497 | 1.6700e-003 | 2.0000e-004 | 10.4521 |
| Unrefrigerated Warehouse-No Rail | 2.65583e+006 | 245.7272 | 0.0398 | 4.8200e-003 | 248.1570 |
| Total | | 256.0769 | 0.0414 | 5.0200e-003 | 258.6091 |

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Parking Lot | 111860 | 10.3497 | 1.6700e-003 | 2.0000e-004 | 10.4521 |
| Unrefrigerated Warehouse-No Rail | 2.65583e+006 | 245.7272 | 0.0398 | 4.8200e-003 | 248.1570 |
| Total | | 256.0769 | 0.0414 | 5.0200e-003 | 258.6091 |

6.0 Area Detail

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6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|--------|--------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 3.3878 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0278 | 0.0278 | 7.0000e-005 | 0.0000 | 0.0297 |
| Unmitigated | 3.3878 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0278 | 0.0278 | 7.0000e-005 | 0.0000 | 0.0297 |

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 | 0.4023 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 2.9842 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.3100e-003 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0278 | 0.0278 | 7.0000e-005 | 0.0000 | 0.0297 |
| Total | 3.3878 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0278 | 0.0278 | 7.0000e-005 | 0.0000 | 0.0297 |

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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 | 0.4023 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 2.9842 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.3100e-003 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0278 | 0.0278 | 7.0000e-005 | 0.0000 | 0.0297 |
| Total | 3.3878 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0278 | 0.0278 | 7.0000e-005 | 0.0000 | 0.0297 |

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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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 | 143.5209 | 5.7321 | 0.1367 | 327.5690 |
| Unmitigated | 143.5209 | 5.7321 | 0.1367 | 327.5690 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|--------------------|-----------------|---------------|---------------|-----------------|
| Land Use | Mgal | MT/yr | | | |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 175.475 / 0 | 143.5209 | 5.7321 | 0.1367 | 327.5690 |
| Total | | 143.5209 | 5.7321 | 0.1367 | 327.5690 |

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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 | | | |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 175.475 / 0 | 143.5209 | 5.7321 | 0.1367 | 327.5690 |
| Total | | 143.5209 | 5.7321 | 0.1367 | 327.5690 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|----------|
| | MT/yr | | | |
| Mitigated | 144.7894 | 8.5568 | 0.0000 | 358.7096 |
| Unmitigated | 144.7894 | 8.5568 | 0.0000 | 358.7096 |

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8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|-----------------|---------------|---------------|-----------------|
| Land Use | tons | MT/yr | | | |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 713.28 | 144.7894 | 8.5568 | 0.0000 | 358.7096 |
| Total | | 144.7894 | 8.5568 | 0.0000 | 358.7096 |

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|-----------------|---------------|---------------|-----------------|
| Land Use | tons | MT/yr | | | |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 713.28 | 144.7894 | 8.5568 | 0.0000 | 358.7096 |
| Total | | 144.7894 | 8.5568 | 0.0000 | 358.7096 |

9.0 Operational Offroad

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Annual

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

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|------------|
| Forklifts | 22 | 8.00 | 260 | 89 | 0.20 | CNG |
| Forklifts | 8 | 8.00 | 260 | 89 | 0.20 | Electrical |

UnMitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|---------------|----------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Equipment Type | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Forklifts | 0.0573 | 2.7389 | 27.3397 | 4.3700e-003 | | 0.0532 | 0.0532 | | 0.0532 | 0.0532 | 0.0000 | 501.5298 | 501.5298 | 0.1622 | 0.0000 | 505.5849 |
| Total | 0.0573 | 2.7389 | 27.3397 | 4.3700e-003 | | 0.0532 | 0.0532 | | 0.0532 | 0.0532 | 0.0000 | 501.5298 | 501.5298 | 0.1622 | 0.0000 | 505.5849 |

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---------------------|--------|-----------|------------|-------------|-------------|-----------|
| Emergency Generator | 2 | 0.01 | 3 | 201 | 0.73 | Diesel |

Boilers

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

User Defined Equipment

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

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Annual

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

10.1 Stationary Sources

Unmitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|--------------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Equipment Type | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Emergency Generator - Diesel (175 - 300 HP) | 9.9000e-004 | 2.7700e-003 | 2.5200e-003 | 0.0000 | | 1.5000e-004 | 1.5000e-004 | | 1.5000e-004 | 1.5000e-004 | 0.0000 | 0.4592 | 0.4592 | 6.0000e-005 | 0.0000 | 0.4609 |
| Total | 9.9000e-004 | 2.7700e-003 | 2.5200e-003 | 0.0000 | | 1.5000e-004 | 1.5000e-004 | | 1.5000e-004 | 1.5000e-004 | 0.0000 | 0.4592 | 0.4592 | 6.0000e-005 | 0.0000 | 0.4609 |

11.0 Vegetation

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Summer

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

SMPs Project - SMP 40 - Mitigated

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 758.81 | 1000sqft | 33.31 | 758,808.00 | 0 |
| Parking Lot | 799.00 | Space | 7.19 | 319,600.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 64 |
| Climate Zone | 4 | | | Operational Year | 2025 |
| Utility Company | Pacific Gas and Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 203.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to represent total project site acreage.

Construction Phase - Phase timing adjusted based on applicant provided information. Architectural coating assumed to start two weeks after building construction and last for the same duration.

Trips and VMT - Import of soil during grading would be from adjoining property, hauling truck trips on local streets would not occur.

Grading - Based on AQ Questionnaire.

Vehicle Trips - Based on project-specific trip rates provided in TIS prepared by TJKM.

Construction Off-road Equipment Mitigation - Based on AQ Questionnaire.

Mobile Land Use Mitigation -

Water Mitigation - Compliant with MWEL0.

Operational Off-Road Equipment - Fuel type adjusted to be consistent with requirements of Mitigation Measure 4.2-2 from EIR.

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Summer

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

Stationary Sources - Emergency Generators and Fire Pumps - Based on applicant provided info.

| Table Name | Column Name | Default Value | New Value |
|---------------------------------|----------------------------|---------------|------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstructionPhase | NumDays | 55.00 | 240.00 |
| tblConstructionPhase | NumDays | 740.00 | 240.00 |
| tblConstructionPhase | NumDays | 75.00 | 60.00 |
| tblConstructionPhase | NumDays | 55.00 | 30.00 |
| tblGrading | MaterialImported | 0.00 | 7,000.00 |
| tblLandUse | LandUseSquareFeet | 758,810.00 | 758,808.00 |
| tblLandUse | LotAcreage | 17.42 | 33.31 |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | CNG |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | Electrical |
| tblOperationalOffRoadEquipment | OperLoadFactor | 0.20 | 0.20 |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 22.00 |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 8.00 |
| tblStationaryGeneratorsPumpsUse | HorsePowerValue | 0.00 | 201.00 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Summer

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

| | | | |
|---------------------------------|-------------------|--------|-------|
| tblStationaryGeneratorsPumpsUse | HoursPerDay | 0.00 | 0.01 |
| tblStationaryGeneratorsPumpsUse | HoursPerYear | 0.00 | 3.00 |
| tblStationaryGeneratorsPumpsUse | NumberOfEquipment | 0.00 | 2.00 |
| tblTripsAndVMT | HaulingTripNumber | 875.00 | 0.00 |
| tblVehicleTrips | CC_TL | 7.30 | 9.79 |
| tblVehicleTrips | CNW_TL | 7.30 | 9.79 |
| tblVehicleTrips | CW_TL | 9.50 | 12.75 |
| tblVehicleTrips | ST_TR | 1.74 | 1.40 |
| tblVehicleTrips | SU_TR | 1.74 | 1.40 |
| tblVehicleTrips | WD_TR | 1.74 | 1.40 |

2.0 Emissions Summary

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, 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 | | | | | |
| 2023 | 3.3758 | 34.5467 | 28.5293 | 0.0635 | 9.3811 | 1.4253 | 10.8064 | 3.6993 | 1.3113 | 5.0106 | 0.0000 | 6,157.2467 | 6,157.2467 | 1.9479 | 3.4600e-003 | 6,206.9750 |
| 2024 | 36.7421 | 23.0125 | 32.4701 | 0.1027 | 5.6676 | 0.7417 | 6.4093 | 1.5305 | 0.7016 | 2.2321 | 0.0000 | 10,492.7160 | 10,492.7160 | 0.7890 | 0.6478 | 10,705.4703 |
| Maximum | 36.7421 | 34.5467 | 32.4701 | 0.1027 | 9.3811 | 1.4253 | 10.8064 | 3.6993 | 1.3113 | 5.0106 | 0.0000 | 10,492.7160 | 10,492.7160 | 1.9479 | 0.6478 | 10,705.4703 |

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 | | | | | |
| 2023 | 1.7280 | 29.6118 | 36.9792 | 0.0635 | 9.3811 | 1.2088 | 10.5899 | 3.6993 | 1.1966 | 4.8959 | 0.0000 | 6,157.2467 | 6,157.2467 | 1.9479 | 3.4600e-003 | 6,206.9750 |
| 2024 | 36.5759 | 22.3447 | 33.6051 | 0.1027 | 5.6676 | 0.7051 | 6.3727 | 1.5305 | 0.6752 | 2.2057 | 0.0000 | 10,492.7160 | 10,492.7160 | 0.7890 | 0.6478 | 10,705.4703 |
| Maximum | 36.5759 | 29.6118 | 36.9792 | 0.1027 | 9.3811 | 1.2088 | 10.5899 | 3.6993 | 1.1966 | 4.8959 | 0.0000 | 10,492.7160 | 10,492.7160 | 1.9479 | 0.6478 | 10,705.4703 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, 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 | 4.52 | 9.73 | -15.71 | 0.00 | 0.00 | 11.68 | 1.47 | 0.00 | 7.01 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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 | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Energy | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| Mobile | 3.3140 | 3.6172 | 33.2996 | 0.0793 | 8.7584 | 0.0537 | 8.8122 | 2.3328 | 0.0501 | 2.3828 | | 8,263.7625 | 8,263.7625 | 0.4105 | 0.3223 | 8,370.0581 |
| Offroad | 0.4409 | 21.0684 | 210.3056 | 0.0336 | | 0.4089 | 0.4089 | | 0.4089 | 0.4089 | 0.0000 | 4,252.6357 | 4,252.6357 | 1.3754 | | 4,287.0204 |
| Stationary | 6.6000e-003 | 0.0184 | 0.0168 | 3.0000e-005 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | | 3.3749 | 3.3749 | 4.7000e-004 | | 3.3867 |
| Total | 22.4096 | 25.4066 | 244.3696 | 0.1171 | 8.7584 | 0.5174 | 9.2759 | 2.3328 | 0.5138 | 2.8465 | 0.0000 | 13,361.4676 | 13,361.4676 | 1.8034 | 0.3377 | 13,507.1816 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Summer

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Energy | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| Mobile | 3.3140 | 3.6172 | 33.2996 | 0.0793 | 8.7584 | 0.0537 | 8.8122 | 2.3328 | 0.0501 | 2.3828 | | 8,263.7625 | 8,263.7625 | 0.4105 | 0.3223 | 8,370.0581 |
| Offroad | 0.4409 | 21.0684 | 210.3056 | 0.0336 | | 0.4089 | 0.4089 | | 0.4089 | 0.4089 | 0.0000 | 4,252.6357 | 4,252.6357 | 1.3754 | | 4,287.0204 |
| Stationary | 6.6000e-003 | 0.0184 | 0.0168 | 3.0000e-005 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | | 3.3749 | 3.3749 | 4.7000e-004 | | 3.3867 |
| Total | 22.4096 | 25.4066 | 244.3696 | 0.1171 | 8.7584 | 0.5174 | 9.2759 | 2.3328 | 0.5138 | 2.8465 | 0.0000 | 13,361.4676 | 13,361.4676 | 1.8034 | 0.3377 | 13,507.1816 |

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Grading | Grading | 9/1/2023 | 11/23/2023 | 5 | 60 | |
| 2 | Paving | Paving | 11/24/2023 | 1/4/2024 | 5 | 30 | |
| 3 | Building Construction | Building Construction | 1/5/2024 | 12/5/2024 | 5 | 240 | |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Summer

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

| | | | | | | |
|---|-----------------------|-----------------------|-----------|------------|---|-----|
| 4 | Architectural Coating | Architectural Coating | 1/19/2024 | 12/19/2024 | 5 | 240 |
|---|-----------------------|-----------------------|-----------|------------|---|-----|

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 180

Acres of Paving: 7.19

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,138,212; Non-Residential Outdoor: 379,404; Striped Parking Area: 19,176 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Grading | Excavators | 2 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| 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 |
|------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Grading | 8 | 20.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Summer

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

| | | | | | | | | | | |
|-----------------------|---|--------|--------|------|-------|------|-------|--------|---------|------|
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 453.00 | 177.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 91.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Grading - 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 | | | | | |
| Fugitive Dust | | | | | 9.2168 | 0.0000 | 9.2168 | 3.6558 | 0.0000 | 3.6558 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.3217 | 34.5156 | 28.0512 | 0.0621 | | 1.4245 | 1.4245 | | 1.3105 | 1.3105 | | 6,011.4777 | 6,011.4777 | 1.9442 | | 6,060.0836 |
| Total | 3.3217 | 34.5156 | 28.0512 | 0.0621 | 9.2168 | 1.4245 | 10.6413 | 3.6558 | 1.3105 | 4.9663 | | 6,011.4777 | 6,011.4777 | 1.9442 | | 6,060.0836 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Summer

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

3.2 Grading - 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 | 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 | 0.0541 | 0.0311 | 0.4781 | 1.4200e-003 | 0.1643 | 8.1000e-004 | 0.1651 | 0.0436 | 7.5000e-004 | 0.0443 | | 145.7690 | 145.7690 | 3.6800e-003 | 3.4600e-003 | 146.8915 |
| Total | 0.0541 | 0.0311 | 0.4781 | 1.4200e-003 | 0.1643 | 8.1000e-004 | 0.1651 | 0.0436 | 7.5000e-004 | 0.0443 | | 145.7690 | 145.7690 | 3.6800e-003 | 3.4600e-003 | 146.8915 |

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 | | | | | 9.2168 | 0.0000 | 9.2168 | 3.6558 | 0.0000 | 3.6558 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6739 | 29.5808 | 36.5011 | 0.0621 | | 1.2080 | 1.2080 | | 1.1959 | 1.1959 | 0.0000 | 6,011.4777 | 6,011.4777 | 1.9442 | | 6,060.0836 |
| Total | 1.6739 | 29.5808 | 36.5011 | 0.0621 | 9.2168 | 1.2080 | 10.4248 | 3.6558 | 1.1959 | 4.8516 | 0.0000 | 6,011.4777 | 6,011.4777 | 1.9442 | | 6,060.0836 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Summer

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

3.2 Grading - 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 | 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 | 0.0541 | 0.0311 | 0.4781 | 1.4200e-003 | 0.1643 | 8.1000e-004 | 0.1651 | 0.0436 | 7.5000e-004 | 0.0443 | | 145.7690 | 145.7690 | 3.6800e-003 | 3.4600e-003 | 146.8915 |
| Total | 0.0541 | 0.0311 | 0.4781 | 1.4200e-003 | 0.1643 | 8.1000e-004 | 0.1651 | 0.0436 | 7.5000e-004 | 0.0443 | | 145.7690 | 145.7690 | 3.6800e-003 | 3.4600e-003 | 146.8915 |

3.3 Paving - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0327 | 10.1917 | 14.5842 | 0.0228 | | 0.5102 | 0.5102 | | 0.4694 | 0.4694 | | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |
| Paving | 0.6279 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.6607 | 10.1917 | 14.5842 | 0.0228 | | 0.5102 | 0.5102 | | 0.4694 | 0.4694 | | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Summer

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

3.3 Paving - 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 | 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 | 0.0406 | 0.0233 | 0.3586 | 1.0700e-003 | 0.1232 | 6.1000e-004 | 0.1238 | 0.0327 | 5.6000e-004 | 0.0333 | | 109.3267 | 109.3267 | 2.7600e-003 | 2.5900e-003 | 110.1686 |
| Total | 0.0406 | 0.0233 | 0.3586 | 1.0700e-003 | 0.1232 | 6.1000e-004 | 0.1238 | 0.0327 | 5.6000e-004 | 0.0333 | | 109.3267 | 109.3267 | 2.7600e-003 | 2.5900e-003 | 110.1686 |

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 | 0.7397 | 11.5773 | 17.0325 | 0.0228 | | 0.5806 | 0.5806 | | 0.5664 | 0.5664 | 0.0000 | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |
| Paving | 0.6279 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.3676 | 11.5773 | 17.0325 | 0.0228 | | 0.5806 | 0.5806 | | 0.5664 | 0.5664 | 0.0000 | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Summer

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

3.3 Paving - 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 | 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 | 0.0406 | 0.0233 | 0.3586 | 1.0700e-003 | 0.1232 | 6.1000e-004 | 0.1238 | 0.0327 | 5.6000e-004 | 0.0333 | | 109.3267 | 109.3267 | 2.7600e-003 | 2.5900e-003 | 110.1686 |
| Total | 0.0406 | 0.0233 | 0.3586 | 1.0700e-003 | 0.1232 | 6.1000e-004 | 0.1238 | 0.0327 | 5.6000e-004 | 0.0333 | | 109.3267 | 109.3267 | 2.7600e-003 | 2.5900e-003 | 110.1686 |

3.3 Paving - 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 | 0.9882 | 9.5246 | 14.6258 | 0.0228 | | 0.4685 | 0.4685 | | 0.4310 | 0.4310 | | 2,207.5472 | 2,207.5472 | 0.7140 | | 2,225.3963 |
| Paving | 0.6279 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.6161 | 9.5246 | 14.6258 | 0.0228 | | 0.4685 | 0.4685 | | 0.4310 | 0.4310 | | 2,207.5472 | 2,207.5472 | 0.7140 | | 2,225.3963 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Summer

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

3.3 Paving - 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 | 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 | 0.0379 | 0.0208 | 0.3342 | 1.0300e-003 | 0.1232 | 5.8000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 106.6142 | 106.6142 | 2.4900e-003 | 2.4200e-003 | 107.3970 |
| Total | 0.0379 | 0.0208 | 0.3342 | 1.0300e-003 | 0.1232 | 5.8000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 106.6142 | 106.6142 | 2.4900e-003 | 2.4200e-003 | 107.3970 |

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 | 0.7237 | 11.4057 | 17.0282 | 0.0228 | | 0.5648 | 0.5648 | | 0.5519 | 0.5519 | 0.0000 | 2,207.5472 | 2,207.5472 | 0.7140 | | 2,225.3963 |
| Paving | 0.6279 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.3516 | 11.4057 | 17.0282 | 0.0228 | | 0.5648 | 0.5648 | | 0.5519 | 0.5519 | 0.0000 | 2,207.5472 | 2,207.5472 | 0.7140 | | 2,225.3963 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Summer

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

3.3 Paving - 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 | 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 | 0.0379 | 0.0208 | 0.3342 | 1.0300e-003 | 0.1232 | 5.8000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 106.6142 | 106.6142 | 2.4900e-003 | 2.4200e-003 | 107.3970 |
| Total | 0.0379 | 0.0208 | 0.3342 | 1.0300e-003 | 0.1232 | 5.8000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 106.6142 | 106.6142 | 2.4900e-003 | 2.4200e-003 | 107.3970 |

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 | 1.4716 | 13.4438 | 16.1668 | 0.0270 | | 0.6133 | 0.6133 | | 0.5769 | 0.5769 | | 2,555.6989 | 2,555.6989 | 0.6044 | | 2,570.8077 |
| Total | 1.4716 | 13.4438 | 16.1668 | 0.0270 | | 0.6133 | 0.6133 | | 0.5769 | 0.5769 | | 2,555.6989 | 2,555.6989 | 0.6044 | | 2,570.8077 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, 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 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 | 0.1872 | 7.5952 | 2.3727 | 0.0353 | 1.1988 | 0.0464 | 1.2452 | 0.3451 | 0.0443 | 0.3895 | | 3,789.028 4 | 3,789.028 4 | 0.0783 | 0.5601 | 3,957.887 3 |
| Worker | 1.1446 | 0.6285 | 10.0930 | 0.0312 | 3.7213 | 0.0176 | 3.7389 | 0.9871 | 0.0162 | 1.0032 | | 3,219.748 0 | 3,219.748 0 | 0.0753 | 0.0730 | 3,243.389 3 |
| Total | 1.3318 | 8.2237 | 12.4656 | 0.0665 | 4.9201 | 0.0639 | 4.9840 | 1.3322 | 0.0605 | 1.3927 | | 7,008.776 4 | 7,008.776 4 | 0.1536 | 0.6331 | 7,201.276 6 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.3053 | 12.7760 | 17.3019 | 0.0270 | | 0.5767 | 0.5767 | | 0.5505 | 0.5505 | 0.0000 | 2,555.698 9 | 2,555.698 9 | 0.6044 | | 2,570.807 7 |
| Total | 1.3053 | 12.7760 | 17.3019 | 0.0270 | | 0.5767 | 0.5767 | | 0.5505 | 0.5505 | 0.0000 | 2,555.698 9 | 2,555.698 9 | 0.6044 | | 2,570.807 7 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, 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 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 | 0.1872 | 7.5952 | 2.3727 | 0.0353 | 1.1988 | 0.0464 | 1.2452 | 0.3451 | 0.0443 | 0.3895 | | 3,789.0284 | 3,789.0284 | 0.0783 | 0.5601 | 3,957.8873 |
| Worker | 1.1446 | 0.6285 | 10.0930 | 0.0312 | 3.7213 | 0.0176 | 3.7389 | 0.9871 | 0.0162 | 1.0032 | | 3,219.7480 | 3,219.7480 | 0.0753 | 0.0730 | 3,243.3893 |
| Total | 1.3318 | 8.2237 | 12.4656 | 0.0665 | 4.9201 | 0.0639 | 4.9840 | 1.3322 | 0.0605 | 1.3927 | | 7,008.7764 | 7,008.7764 | 0.1536 | 0.6331 | 7,201.2766 |

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 | 33.5281 | | | | | 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 | 33.7088 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, 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 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 | 0.2299 | 0.1263 | 2.0275 | 6.2700e-003 | 0.7475 | 3.5300e-003 | 0.7511 | 0.1983 | 3.2500e-003 | 0.2015 | | 646.7926 | 646.7926 | 0.0151 | 0.0147 | 651.5418 |
| Total | 0.2299 | 0.1263 | 2.0275 | 6.2700e-003 | 0.7475 | 3.5300e-003 | 0.7511 | 0.1983 | 3.2500e-003 | 0.2015 | | 646.7926 | 646.7926 | 0.0151 | 0.0147 | 651.5418 |

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 | 33.5281 | | | | | 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 | 33.7088 | 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 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, 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 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 | 0.2299 | 0.1263 | 2.0275 | 6.2700e-003 | 0.7475 | 3.5300e-003 | 0.7511 | 0.1983 | 3.2500e-003 | 0.2015 | | 646.7926 | 646.7926 | 0.0151 | 0.0147 | 651.5418 |
| Total | 0.2299 | 0.1263 | 2.0275 | 6.2700e-003 | 0.7475 | 3.5300e-003 | 0.7511 | 0.1983 | 3.2500e-003 | 0.2015 | | 646.7926 | 646.7926 | 0.0151 | 0.0147 | 651.5418 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, 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 | 3.3140 | 3.6172 | 33.2996 | 0.0793 | 8.7584 | 0.0537 | 8.8122 | 2.3328 | 0.0501 | 2.3828 | | 8,263.7625 | 8,263.7625 | 0.4105 | 0.3223 | 8,370.0581 |
| Unmitigated | 3.3140 | 3.6172 | 33.2996 | 0.0793 | 8.7584 | 0.0537 | 8.8122 | 2.3328 | 0.0501 | 2.3828 | | 8,263.7625 | 8,263.7625 | 0.4105 | 0.3223 | 8,370.0581 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|-----------------|-----------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 1,062.33 | 1,062.33 | 1,062.33 | 4,161,048 | 4,161,048 |
| Total | 1,062.33 | 1,062.33 | 1,062.33 | 4,161,048 | 4,161,048 |

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 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No Rail | 12.75 | 9.79 | 9.79 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Parking Lot | 0.553839 | 0.058700 | 0.188468 | 0.120786 | 0.022796 | 0.005663 | 0.010629 | 0.007566 | 0.000983 | 0.000556 | 0.026354 | 0.000841 | 0.002820 |
| Unrefrigerated Warehouse-No Rail | 0.553839 | 0.058700 | 0.188468 | 0.120786 | 0.022796 | 0.005663 | 0.010629 | 0.007566 | 0.000983 | 0.000556 | 0.026354 | 0.000841 | 0.002820 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Summer

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| NaturalGas Unmitigated | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, 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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 7151.51 | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| Total | | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |

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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 7.15151 | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| Total | | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |

6.0 Area Detail

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Summer

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

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|-------------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Unmitigated | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|----------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 2.2046 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 16.3517 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0146 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Total | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, 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 | 2.2046 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 16.3517 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0146 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Total | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|------------|
| Forklifts | 22 | 8.00 | 260 | 89 | 0.20 | CNG |
| Forklifts | 8 | 8.00 | 260 | 89 | 0.20 | Electrical |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Summer

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

UnMitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|----------------|-----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | |
| Forklifts | 0.4409 | 21.0684 | 210.3056 | 0.0336 | | 0.4089 | 0.4089 | | 0.4089 | 0.4089 | 0.0000 | 4,252.6357 | 4,252.6357 | 1.3754 | | 4,287.0204 |
| Total | 0.4409 | 21.0684 | 210.3056 | 0.0336 | | 0.4089 | 0.4089 | | 0.4089 | 0.4089 | 0.0000 | 4,252.6357 | 4,252.6357 | 1.3754 | | 4,287.0204 |

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---------------------|--------|-----------|------------|-------------|-------------|-----------|
| Emergency Generator | 2 | 0.01 | 3 | 201 | 0.73 | Diesel |

Boilers

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

User Defined Equipment

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

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Summer

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

10.1 Stationary Sources

Unmitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|---|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|------|---------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | | |
| Emergency Generator - Diesel (175 - 300 HP) | 6.6000e-003 | 0.0184 | 0.0168 | 3.0000e-005 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | | 3.3749 | 3.3749 | 4.7000e-004 | | | 3.3867 |
| Total | 6.6000e-003 | 0.0184 | 0.0168 | 3.0000e-005 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | | 3.3749 | 3.3749 | 4.7000e-004 | | | 3.3867 |

11.0 Vegetation

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Winter

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

SMPs Project - SMP 40 - Mitigated

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 758.81 | 1000sqft | 33.31 | 758,808.00 | 0 |
| Parking Lot | 799.00 | Space | 7.19 | 319,600.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 64 |
| Climate Zone | 4 | | | Operational Year | 2025 |
| Utility Company | Pacific Gas and Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 203.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to represent total project site acreage.

Construction Phase - Phase timing adjusted based on applicant provided information. Architectural coating assumed to start two weeks after building construction and last for the same duration.

Trips and VMT - Import of soil during grading would be from adjoining property, hauling truck trips on local streets would not occur.

Grading - Based on AQ Questionnaire.

Vehicle Trips - Based on project-specific trip rates provided in TIS prepared by TJKM.

Construction Off-road Equipment Mitigation - Based on AQ Questionnaire.

Mobile Land Use Mitigation -

Water Mitigation - Compliant with MWEL0.

Operational Off-Road Equipment - Fuel type adjusted to be consistent with requirements of Mitigation Measure 4.2-2 from EIR.

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Winter

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

Stationary Sources - Emergency Generators and Fire Pumps - Based on applicant provided info.

| Table Name | Column Name | Default Value | New Value |
|---------------------------------|----------------------------|---------------|------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstructionPhase | NumDays | 55.00 | 240.00 |
| tblConstructionPhase | NumDays | 740.00 | 240.00 |
| tblConstructionPhase | NumDays | 75.00 | 60.00 |
| tblConstructionPhase | NumDays | 55.00 | 30.00 |
| tblGrading | MaterialImported | 0.00 | 7,000.00 |
| tblLandUse | LandUseSquareFeet | 758,810.00 | 758,808.00 |
| tblLandUse | LotAcreage | 17.42 | 33.31 |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | CNG |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | Electrical |
| tblOperationalOffRoadEquipment | OperLoadFactor | 0.20 | 0.20 |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 22.00 |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 8.00 |
| tblStationaryGeneratorsPumpsUse | HorsePowerValue | 0.00 | 201.00 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Winter

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

| | | | |
|---------------------------------|-------------------|--------|-------|
| tblStationaryGeneratorsPumpsUse | HoursPerDay | 0.00 | 0.01 |
| tblStationaryGeneratorsPumpsUse | HoursPerYear | 0.00 | 3.00 |
| tblStationaryGeneratorsPumpsUse | NumberOfEquipment | 0.00 | 2.00 |
| tblTripsAndVMT | HaulingTripNumber | 875.00 | 0.00 |
| tblVehicleTrips | CC_TL | 7.30 | 9.79 |
| tblVehicleTrips | CNW_TL | 7.30 | 9.79 |
| tblVehicleTrips | CW_TL | 9.50 | 12.75 |
| tblVehicleTrips | ST_TR | 1.74 | 1.40 |
| tblVehicleTrips | SU_TR | 1.74 | 1.40 |
| tblVehicleTrips | WD_TR | 1.74 | 1.40 |

2.0 Emissions Summary

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, 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 | | | | | |
| 2023 | 3.3772 | 34.5539 | 28.5091 | 0.0634 | 9.3811 | 1.4253 | 10.8064 | 3.6993 | 1.3113 | 5.0106 | 0.0000 | 6,146.9143 | 6,146.9143 | 1.9484 | 3.9800e-003 | 6,196.8109 |
| 2024 | 36.7762 | 23.6304 | 32.0813 | 0.1001 | 5.6676 | 0.7419 | 6.4095 | 1.5305 | 0.7018 | 2.2322 | 0.0000 | 10,224.7728 | 10,224.7728 | 0.8011 | 0.6624 | 10,442.1825 |
| Maximum | 36.7762 | 34.5539 | 32.0813 | 0.1001 | 9.3811 | 1.4253 | 10.8064 | 3.6993 | 1.3113 | 5.0106 | 0.0000 | 10,224.7728 | 10,224.7728 | 1.9484 | 0.6624 | 10,442.1825 |

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 | | | | | |
| 2023 | 1.7294 | 29.6191 | 36.9590 | 0.0634 | 9.3811 | 1.2088 | 10.5899 | 3.6993 | 1.1966 | 4.8959 | 0.0000 | 6,146.9143 | 6,146.9143 | 1.9484 | 3.9800e-003 | 6,196.8109 |
| 2024 | 36.6099 | 22.9626 | 33.2163 | 0.1001 | 5.6676 | 0.7053 | 6.3729 | 1.5305 | 0.6754 | 2.2058 | 0.0000 | 10,224.7728 | 10,224.7728 | 0.8011 | 0.6624 | 10,442.1825 |
| Maximum | 36.6099 | 29.6191 | 36.9590 | 0.1001 | 9.3811 | 1.2088 | 10.5899 | 3.6993 | 1.1966 | 4.8959 | 0.0000 | 10,224.7728 | 10,224.7728 | 1.9484 | 0.6624 | 10,442.1825 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, 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 |
|-------------------|------|------|--------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 4.52 | 9.63 | -15.82 | 0.00 | 0.00 | 11.68 | 1.47 | 0.00 | 7.01 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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 | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Energy | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| Mobile | 3.0847 | 4.1484 | 34.5217 | 0.0748 | 8.7584 | 0.0537 | 8.8122 | 2.3328 | 0.0501 | 2.3829 | | 7,796.1900 | 7,796.1900 | 0.4504 | 0.3509 | 7,912.0113 |
| Offroad | 0.4409 | 21.0684 | 210.3056 | 0.0336 | | 0.4089 | 0.4089 | | 0.4089 | 0.4089 | 0.0000 | 4,252.6357 | 4,252.6357 | 1.3754 | | 4,287.0204 |
| Stationary | 6.6000e-003 | 0.0184 | 0.0168 | 3.0000e-005 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | | 3.3749 | 3.3749 | 4.7000e-004 | | 3.3867 |
| Total | 22.1802 | 25.9378 | 245.5917 | 0.1126 | 8.7584 | 0.5174 | 9.2759 | 2.3328 | 0.5138 | 2.8466 | 0.0000 | 12,893.8950 | 12,893.8950 | 1.8433 | 0.3663 | 13,049.1348 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Winter

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Energy | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| Mobile | 3.0847 | 4.1484 | 34.5217 | 0.0748 | 8.7584 | 0.0537 | 8.8122 | 2.3328 | 0.0501 | 2.3829 | | 7,796.1900 | 7,796.1900 | 0.4504 | 0.3509 | 7,912.0113 |
| Offroad | 0.4409 | 21.0684 | 210.3056 | 0.0336 | | 0.4089 | 0.4089 | | 0.4089 | 0.4089 | 0.0000 | 4,252.6357 | 4,252.6357 | 1.3754 | | 4,287.0204 |
| Stationary | 6.6000e-003 | 0.0184 | 0.0168 | 3.0000e-005 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | | 3.3749 | 3.3749 | 4.7000e-004 | | 3.3867 |
| Total | 22.1802 | 25.9378 | 245.5917 | 0.1126 | 8.7584 | 0.5174 | 9.2759 | 2.3328 | 0.5138 | 2.8466 | 0.0000 | 12,893.8950 | 12,893.8950 | 1.8433 | 0.3663 | 13,049.1348 |

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Grading | Grading | 9/1/2023 | 11/23/2023 | 5 | 60 | |
| 2 | Paving | Paving | 11/24/2023 | 1/4/2024 | 5 | 30 | |
| 3 | Building Construction | Building Construction | 1/5/2024 | 12/5/2024 | 5 | 240 | |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Winter

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

| | | | | | | |
|---|-----------------------|-----------------------|-----------|------------|---|-----|
| 4 | Architectural Coating | Architectural Coating | 1/19/2024 | 12/19/2024 | 5 | 240 |
|---|-----------------------|-----------------------|-----------|------------|---|-----|

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 180

Acres of Paving: 7.19

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,138,212; Non-Residential Outdoor: 379,404; Striped Parking Area: 19,176 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Grading | Excavators | 2 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| 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 |
|------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Grading | 8 | 20.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Winter

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

| | | | | | | | | | | |
|-----------------------|---|--------|--------|------|-------|------|-------|--------|---------|------|
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 453.00 | 177.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 91.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Grading - 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 | | | | | |
| Fugitive Dust | | | | | 9.2168 | 0.0000 | 9.2168 | 3.6558 | 0.0000 | 3.6558 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.3217 | 34.5156 | 28.0512 | 0.0621 | | 1.4245 | 1.4245 | | 1.3105 | 1.3105 | | 6,011.4777 | 6,011.4777 | 1.9442 | | 6,060.0836 |
| Total | 3.3217 | 34.5156 | 28.0512 | 0.0621 | 9.2168 | 1.4245 | 10.6413 | 3.6558 | 1.3105 | 4.9663 | | 6,011.4777 | 6,011.4777 | 1.9442 | | 6,060.0836 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Winter

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

3.2 Grading - 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 | 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 | 0.0555 | 0.0383 | 0.4579 | 1.3200e-003 | 0.1643 | 8.1000e-004 | 0.1651 | 0.0436 | 7.5000e-004 | 0.0443 | | 135.4366 | 135.4366 | 4.1800e-003 | 3.9800e-003 | 136.7273 |
| Total | 0.0555 | 0.0383 | 0.4579 | 1.3200e-003 | 0.1643 | 8.1000e-004 | 0.1651 | 0.0436 | 7.5000e-004 | 0.0443 | | 135.4366 | 135.4366 | 4.1800e-003 | 3.9800e-003 | 136.7273 |

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 | | | | | 9.2168 | 0.0000 | 9.2168 | 3.6558 | 0.0000 | 3.6558 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6739 | 29.5808 | 36.5011 | 0.0621 | | 1.2080 | 1.2080 | | 1.1959 | 1.1959 | 0.0000 | 6,011.4777 | 6,011.4777 | 1.9442 | | 6,060.0836 |
| Total | 1.6739 | 29.5808 | 36.5011 | 0.0621 | 9.2168 | 1.2080 | 10.4248 | 3.6558 | 1.1959 | 4.8516 | 0.0000 | 6,011.4777 | 6,011.4777 | 1.9442 | | 6,060.0836 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Winter

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

3.2 Grading - 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 | 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 | 0.0555 | 0.0383 | 0.4579 | 1.3200e-003 | 0.1643 | 8.1000e-004 | 0.1651 | 0.0436 | 7.5000e-004 | 0.0443 | | 135.4366 | 135.4366 | 4.1800e-003 | 3.9800e-003 | 136.7273 |
| Total | 0.0555 | 0.0383 | 0.4579 | 1.3200e-003 | 0.1643 | 8.1000e-004 | 0.1651 | 0.0436 | 7.5000e-004 | 0.0443 | | 135.4366 | 135.4366 | 4.1800e-003 | 3.9800e-003 | 136.7273 |

3.3 Paving - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0327 | 10.1917 | 14.5842 | 0.0228 | | 0.5102 | 0.5102 | | 0.4694 | 0.4694 | | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |
| Paving | 0.6279 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.6607 | 10.1917 | 14.5842 | 0.0228 | | 0.5102 | 0.5102 | | 0.4694 | 0.4694 | | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Winter

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

3.3 Paving - 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 | 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 | 0.0416 | 0.0288 | 0.3434 | 9.9000e-004 | 0.1232 | 6.1000e-004 | 0.1238 | 0.0327 | 5.6000e-004 | 0.0333 | | 101.5775 | 101.5775 | 3.1300e-003 | 2.9900e-003 | 102.5455 |
| Total | 0.0416 | 0.0288 | 0.3434 | 9.9000e-004 | 0.1232 | 6.1000e-004 | 0.1238 | 0.0327 | 5.6000e-004 | 0.0333 | | 101.5775 | 101.5775 | 3.1300e-003 | 2.9900e-003 | 102.5455 |

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 | 0.7397 | 11.5773 | 17.0325 | 0.0228 | | 0.5806 | 0.5806 | | 0.5664 | 0.5664 | 0.0000 | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |
| Paving | 0.6279 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.3676 | 11.5773 | 17.0325 | 0.0228 | | 0.5806 | 0.5806 | | 0.5664 | 0.5664 | 0.0000 | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Winter

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

3.3 Paving - 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 | 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 | 0.0416 | 0.0288 | 0.3434 | 9.9000e-004 | 0.1232 | 6.1000e-004 | 0.1238 | 0.0327 | 5.6000e-004 | 0.0333 | | 101.5775 | 101.5775 | 3.1300e-003 | 2.9900e-003 | 102.5455 |
| Total | 0.0416 | 0.0288 | 0.3434 | 9.9000e-004 | 0.1232 | 6.1000e-004 | 0.1238 | 0.0327 | 5.6000e-004 | 0.0333 | | 101.5775 | 101.5775 | 3.1300e-003 | 2.9900e-003 | 102.5455 |

3.3 Paving - 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 | 0.9882 | 9.5246 | 14.6258 | 0.0228 | | 0.4685 | 0.4685 | | 0.4310 | 0.4310 | | 2,207.5472 | 2,207.5472 | 0.7140 | | 2,225.3963 |
| Paving | 0.6279 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.6161 | 9.5246 | 14.6258 | 0.0228 | | 0.4685 | 0.4685 | | 0.4310 | 0.4310 | | 2,207.5472 | 2,207.5472 | 0.7140 | | 2,225.3963 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Winter

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

3.3 Paving - 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 | 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 | 0.0390 | 0.0257 | 0.3212 | 9.6000e-004 | 0.1232 | 5.8000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 99.0731 | 99.0731 | 2.8400e-003 | 2.7800e-003 | 99.9731 |
| Total | 0.0390 | 0.0257 | 0.3212 | 9.6000e-004 | 0.1232 | 5.8000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 99.0731 | 99.0731 | 2.8400e-003 | 2.7800e-003 | 99.9731 |

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 | 0.7237 | 11.4057 | 17.0282 | 0.0228 | | 0.5648 | 0.5648 | | 0.5519 | 0.5519 | 0.0000 | 2,207.5472 | 2,207.5472 | 0.7140 | | 2,225.3963 |
| Paving | 0.6279 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.3516 | 11.4057 | 17.0282 | 0.0228 | | 0.5648 | 0.5648 | | 0.5519 | 0.5519 | 0.0000 | 2,207.5472 | 2,207.5472 | 0.7140 | | 2,225.3963 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Winter

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

3.3 Paving - 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 | 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 | 0.0390 | 0.0257 | 0.3212 | 9.6000e-004 | 0.1232 | 5.8000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 99.0731 | 99.0731 | 2.8400e-003 | 2.7800e-003 | 99.9731 |
| Total | 0.0390 | 0.0257 | 0.3212 | 9.6000e-004 | 0.1232 | 5.8000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 99.0731 | 99.0731 | 2.8400e-003 | 2.7800e-003 | 99.9731 |

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 | 1.4716 | 13.4438 | 16.1668 | 0.0270 | | 0.6133 | 0.6133 | | 0.5769 | 0.5769 | | 2,555.6989 | 2,555.6989 | 0.6044 | | 2,570.8077 |
| Total | 1.4716 | 13.4438 | 16.1668 | 0.0270 | | 0.6133 | 0.6133 | | 0.5769 | 0.5769 | | 2,555.6989 | 2,555.6989 | 0.6044 | | 2,570.8077 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, 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 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 | 0.1804 | 8.0369 | 2.4549 | 0.0354 | 1.1988 | 0.0465 | 1.2453 | 0.3451 | 0.0445 | 0.3896 | | 3,794.575 1 | 3,794.575 1 | 0.0778 | 0.5615 | 3,963.838 2 |
| Worker | 1.1786 | 0.7752 | 9.7007 | 0.0290 | 3.7213 | 0.0176 | 3.7389 | 0.9871 | 0.0162 | 1.0032 | | 2,992.007 4 | 2,992.007 4 | 0.0859 | 0.0840 | 3,019.188 7 |
| Total | 1.3590 | 8.8121 | 12.1556 | 0.0644 | 4.9201 | 0.0641 | 4.9842 | 1.3322 | 0.0607 | 1.3929 | | 6,786.582 5 | 6,786.582 5 | 0.1637 | 0.6455 | 6,983.026 9 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.3053 | 12.7760 | 17.3019 | 0.0270 | | 0.5767 | 0.5767 | | 0.5505 | 0.5505 | 0.0000 | 2,555.698 9 | 2,555.698 9 | 0.6044 | | 2,570.807 7 |
| Total | 1.3053 | 12.7760 | 17.3019 | 0.0270 | | 0.5767 | 0.5767 | | 0.5505 | 0.5505 | 0.0000 | 2,555.698 9 | 2,555.698 9 | 0.6044 | | 2,570.807 7 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, 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 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 | 0.1804 | 8.0369 | 2.4549 | 0.0354 | 1.1988 | 0.0465 | 1.2453 | 0.3451 | 0.0445 | 0.3896 | | 3,794.575 1 | 3,794.575 1 | 0.0778 | 0.5615 | 3,963.838 2 |
| Worker | 1.1786 | 0.7752 | 9.7007 | 0.0290 | 3.7213 | 0.0176 | 3.7389 | 0.9871 | 0.0162 | 1.0032 | | 2,992.007 4 | 2,992.007 4 | 0.0859 | 0.0840 | 3,019.188 7 |
| Total | 1.3590 | 8.8121 | 12.1556 | 0.0644 | 4.9201 | 0.0641 | 4.9842 | 1.3322 | 0.0607 | 1.3929 | | 6,786.582 5 | 6,786.582 5 | 0.1637 | 0.6455 | 6,983.026 9 |

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 | 33.5281 | | | | | 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 | 33.7088 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, 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 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 | 0.2368 | 0.1557 | 1.9487 | 5.8300e-003 | 0.7475 | 3.5300e-003 | 0.7511 | 0.1983 | 3.2500e-003 | 0.2015 | | 601.0434 | 601.0434 | 0.0173 | 0.0169 | 606.5037 |
| Total | 0.2368 | 0.1557 | 1.9487 | 5.8300e-003 | 0.7475 | 3.5300e-003 | 0.7511 | 0.1983 | 3.2500e-003 | 0.2015 | | 601.0434 | 601.0434 | 0.0173 | 0.0169 | 606.5037 |

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 | 33.5281 | | | | | 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 | 33.7088 | 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 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, 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 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 | 0.2368 | 0.1557 | 1.9487 | 5.8300e-003 | 0.7475 | 3.5300e-003 | 0.7511 | 0.1983 | 3.2500e-003 | 0.2015 | | 601.0434 | 601.0434 | 0.0173 | 0.0169 | 606.5037 |
| Total | 0.2368 | 0.1557 | 1.9487 | 5.8300e-003 | 0.7475 | 3.5300e-003 | 0.7511 | 0.1983 | 3.2500e-003 | 0.2015 | | 601.0434 | 601.0434 | 0.0173 | 0.0169 | 606.5037 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, 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 | 3.0847 | 4.1484 | 34.5217 | 0.0748 | 8.7584 | 0.0537 | 8.8122 | 2.3328 | 0.0501 | 2.3829 | | 7,796.1900 | 7,796.1900 | 0.4504 | 0.3509 | 7,912.0113 |
| Unmitigated | 3.0847 | 4.1484 | 34.5217 | 0.0748 | 8.7584 | 0.0537 | 8.8122 | 2.3328 | 0.0501 | 2.3829 | | 7,796.1900 | 7,796.1900 | 0.4504 | 0.3509 | 7,912.0113 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|-----------------|-----------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 1,062.33 | 1,062.33 | 1,062.33 | 4,161,048 | 4,161,048 |
| Total | 1,062.33 | 1,062.33 | 1,062.33 | 4,161,048 | 4,161,048 |

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 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No Rail | 12.75 | 9.79 | 9.79 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Parking Lot | 0.553839 | 0.058700 | 0.188468 | 0.120786 | 0.022796 | 0.005663 | 0.010629 | 0.007566 | 0.000983 | 0.000556 | 0.026354 | 0.000841 | 0.002820 |
| Unrefrigerated Warehouse-No Rail | 0.553839 | 0.058700 | 0.188468 | 0.120786 | 0.022796 | 0.005663 | 0.010629 | 0.007566 | 0.000983 | 0.000556 | 0.026354 | 0.000841 | 0.002820 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Winter

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| NaturalGas Unmitigated | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, 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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 7151.51 | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| Total | | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |

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 | | | | | |
| Parking Lot | 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 |
| Unrefrigerated Warehouse-No Rail | 7.15151 | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |
| Total | | 0.0771 | 0.7011 | 0.5890 | 4.2100e-003 | | 0.0533 | 0.0533 | | 0.0533 | 0.0533 | | 841.3536 | 841.3536 | 0.0161 | 0.0154 | 846.3533 |

6.0 Area Detail

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Winter

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

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|-------------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Unmitigated | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|----------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 2.2046 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 16.3517 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0146 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Total | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, 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 | 2.2046 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 16.3517 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0146 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |
| Total | 18.5709 | 1.4400e-003 | 0.1586 | 1.0000e-005 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | | 0.3409 | 0.3409 | 8.9000e-004 | | 0.3631 |

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|------------|
| Forklifts | 22 | 8.00 | 260 | 89 | 0.20 | CNG |
| Forklifts | 8 | 8.00 | 260 | 89 | 0.20 | Electrical |

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Winter

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

UnMitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|----------------|-----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | |
| Forklifts | 0.4409 | 21.0684 | 210.3056 | 0.0336 | | 0.4089 | 0.4089 | | 0.4089 | 0.4089 | 0.0000 | 4,252.6357 | 4,252.6357 | 1.3754 | | 4,287.0204 |
| Total | 0.4409 | 21.0684 | 210.3056 | 0.0336 | | 0.4089 | 0.4089 | | 0.4089 | 0.4089 | 0.0000 | 4,252.6357 | 4,252.6357 | 1.3754 | | 4,287.0204 |

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---------------------|--------|-----------|------------|-------------|-------------|-----------|
| Emergency Generator | 2 | 0.01 | 3 | 201 | 0.73 | Diesel |

Boilers

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

User Defined Equipment

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

SMPs Project - SMP 40 - Mitigated - Bay Area AQMD Air District, Winter

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

10.1 Stationary Sources

Unmitigated/Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|---|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|------|---------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | | |
| Emergency Generator - Diesel (175 - 300 HP) | 6.6000e-003 | 0.0184 | 0.0168 | 3.0000e-005 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | | 3.3749 | 3.3749 | 4.7000e-004 | | | 3.3867 |
| Total | 6.6000e-003 | 0.0184 | 0.0168 | 3.0000e-005 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | | 3.3749 | 3.3749 | 4.7000e-004 | | | 3.3867 |

11.0 Vegetation

SMPs Project - SMP 40 - Mitigated

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

Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

| Phase | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|------|-------|-------|------|--------------|---------------|----------|-----------|-----------|------|------|------|
| Percent Reduction | | | | | | | | | | | | |
| Architectural Coating | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Building Construction | 0.06 | 0.03 | -0.04 | 0.00 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading | 0.49 | 0.14 | -0.30 | 0.00 | 0.15 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving | 0.17 | -0.14 | -0.16 | 0.00 | -0.15 | -0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

OFFROAD Equipment Mitigation

SMPs Project - SMP 40 - Mitigated

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

| Equipment Type | Fuel Type | Tier | Number Mitigated | Total Number of Equipment | DPF | Oxidation Catalyst |
|---------------------------|-----------|-----------|------------------|---------------------------|-----------|--------------------|
| Air Compressors | Diesel | No Change | 0 | 1 | No Change | 0.00 |
| Cranes | Diesel | Tier 3 | 1 | 1 | No Change | 0.00 |
| Excavators | Diesel | Tier 3 | 2 | 2 | No Change | 0.00 |
| Forklifts | Diesel | No Change | 0 | 3 | No Change | 0.00 |
| Generator Sets | Diesel | No Change | 0 | 1 | No Change | 0.00 |
| Graders | Diesel | Tier 3 | 1 | 1 | No Change | 0.00 |
| Pavers | Diesel | Tier 3 | 2 | 2 | No Change | 0.00 |
| Paving Equipment | Diesel | Tier 3 | 2 | 2 | No Change | 0.00 |
| Rollers | Diesel | No Change | 0 | 2 | No Change | 0.00 |
| Rubber Tired Dozers | Diesel | Tier 3 | 1 | 1 | No Change | 0.00 |
| Scrapers | Diesel | Tier 3 | 2 | 2 | No Change | 0.00 |
| Tractors/Loaders/Backhoes | Diesel | No Change | 0 | 5 | No Change | 0.00 |
| Welders | Diesel | No Change | 0 | 1 | No Change | 0.00 |

SMPs Project - SMP 40 - Mitigated

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

| Equipment Type | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------------------|--------------|--------------|--------------|--------------|--------------|---------------|-------------------|--------------|--------------|--------------|--------------|--------------|
| Unmitigated tons/yr | | | | | | | Unmitigated mt/yr | | | | | |
| Air Compressors | 2.16900E-002 | 1.46260E-001 | 2.17220E-001 | 3.60000E-004 | 7.31000E-003 | 7.31000E-003 | 0.00000E+000 | 3.06390E+001 | 3.06390E+001 | 1.73000E-003 | 0.00000E+000 | 3.06822E+001 |
| Cranes | 3.48300E-002 | 3.67950E-001 | 1.86350E-001 | 6.10000E-004 | 1.53100E-002 | 1.40800E-002 | 0.00000E+000 | 5.32289E+001 | 5.32289E+001 | 1.72200E-002 | 0.00000E+000 | 5.36592E+001 |
| Excavators | 1.13200E-002 | 9.29200E-002 | 1.95470E-001 | 3.10000E-004 | 4.55000E-003 | 4.18000E-003 | 0.00000E+000 | 2.72213E+001 | 2.72213E+001 | 8.80000E-003 | 0.00000E+000 | 2.74414E+001 |
| Forklifts | 3.39100E-002 | 3.18070E-001 | 4.10150E-001 | 5.50000E-004 | 1.83700E-002 | 1.69000E-002 | 0.00000E+000 | 4.83449E+001 | 4.83449E+001 | 1.56400E-002 | 0.00000E+000 | 4.87358E+001 |
| Generator Sets | 3.42100E-002 | 3.05350E-001 | 4.39670E-001 | 7.90000E-004 | 1.32900E-002 | 1.32900E-002 | 0.00000E+000 | 6.78249E+001 | 6.78249E+001 | 2.74000E-003 | 0.00000E+000 | 6.78935E+001 |
| Graders | 1.15000E-002 | 1.39590E-001 | 5.07800E-002 | 2.00000E-004 | 4.52000E-003 | 4.16000E-003 | 0.00000E+000 | 1.74412E+001 | 1.74412E+001 | 5.64000E-003 | 0.00000E+000 | 1.75822E+001 |
| Pavers | 5.72000E-003 | 5.59200E-002 | 8.65300E-002 | 1.40000E-004 | 2.63000E-003 | 2.42000E-003 | 0.00000E+000 | 1.23888E+001 | 1.23888E+001 | 4.01000E-003 | 0.00000E+000 | 1.24890E+001 |
| Paving Equipment | 5.10000E-003 | 4.76600E-002 | 7.67500E-002 | 1.20000E-004 | 2.32000E-003 | 2.13000E-003 | 0.00000E+000 | 1.07356E+001 | 1.07356E+001 | 3.47000E-003 | 0.00000E+000 | 1.08224E+001 |
| Rollers | 4.58000E-003 | 4.79600E-002 | 5.55600E-002 | 8.00000E-005 | 2.63000E-003 | 2.42000E-003 | 0.00000E+000 | 6.91582E+000 | 6.91582E+000 | 2.24000E-003 | 0.00000E+000 | 6.97173E+000 |
| Rubber Tired Dozers | 2.05400E-002 | 2.13810E-001 | 9.31900E-002 | 2.60000E-004 | 9.63000E-003 | 8.86000E-003 | 0.00000E+000 | 2.25073E+001 | 2.25073E+001 | 7.28000E-003 | 0.00000E+000 | 2.26893E+001 |
| Scrapers | 4.72100E-002 | 4.97000E-001 | 3.68220E-001 | 9.10000E-004 | 1.94900E-002 | 1.79300E-002 | 0.00000E+000 | 8.00207E+001 | 8.00207E+001 | 2.58800E-002 | 0.00000E+000 | 8.06677E+001 |
| Tractors/Loaders/Backhoes | 5.44200E-002 | 5.48340E-001 | 8.38090E-001 | 1.17000E-003 | 2.54900E-002 | 2.34500E-002 | 0.00000E+000 | 1.02649E+002 | 1.02649E+002 | 3.32000E-002 | 0.00000E+000 | 1.03479E+002 |
| Welders | 2.83000E-002 | 1.65690E-001 | 1.99640E-001 | 3.10000E-004 | 5.70000E-003 | 5.70000E-003 | 0.00000E+000 | 2.25865E+001 | 2.25865E+001 | 2.31000E-003 | 0.00000E+000 | 2.26441E+001 |

SMPs Project - SMP 40 - Mitigated

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

| Equipment Type | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|--------------|--------------|--------------|--------------|--------------|---------------|-----------------|--------------|--------------|--------------|--------------|--------------|
| Mitigated tons/yr | | | | | | | Mitigated mt/yr | | | | | |
| Air Compressors | 2.16900E-002 | 1.46260E-001 | 2.17210E-001 | 3.60000E-004 | 7.31000E-003 | 7.31000E-003 | 0.00000E+000 | 3.06390E+001 | 3.06390E+001 | 1.73000E-003 | 0.00000E+000 | 3.06821E+001 |
| Cranes | 1.48900E-002 | 2.87810E-001 | 3.22550E-001 | 6.10000E-004 | 1.09200E-002 | 1.09200E-002 | 0.00000E+000 | 5.32288E+001 | 5.32288E+001 | 1.72200E-002 | 0.00000E+000 | 5.36592E+001 |
| Excavators | 7.62000E-003 | 1.47400E-001 | 2.35080E-001 | 3.10000E-004 | 7.12000E-003 | 7.12000E-003 | 0.00000E+000 | 2.72213E+001 | 2.72213E+001 | 8.80000E-003 | 0.00000E+000 | 2.74414E+001 |
| Forklifts | 3.39100E-002 | 3.18070E-001 | 4.10150E-001 | 5.50000E-004 | 1.83700E-002 | 1.69000E-002 | 0.00000E+000 | 4.83448E+001 | 4.83448E+001 | 1.56400E-002 | 0.00000E+000 | 4.87357E+001 |
| Generator Sets | 3.42000E-002 | 3.05350E-001 | 4.39670E-001 | 7.90000E-004 | 1.32900E-002 | 1.32900E-002 | 0.00000E+000 | 6.78248E+001 | 6.78248E+001 | 2.74000E-003 | 0.00000E+000 | 6.78934E+001 |
| Graders | 4.87000E-003 | 9.41100E-002 | 1.05470E-001 | 2.00000E-004 | 3.57000E-003 | 3.57000E-003 | 0.00000E+000 | 1.74412E+001 | 1.74412E+001 | 5.64000E-003 | 0.00000E+000 | 1.75822E+001 |
| Pavers | 3.47000E-003 | 6.70200E-002 | 1.06890E-001 | 1.40000E-004 | 3.24000E-003 | 3.24000E-003 | 0.00000E+000 | 1.23888E+001 | 1.23888E+001 | 4.01000E-003 | 0.00000E+000 | 1.24889E+001 |
| Paving Equipment | 3.02000E-003 | 5.83300E-002 | 9.30300E-002 | 1.20000E-004 | 2.82000E-003 | 2.82000E-003 | 0.00000E+000 | 1.07356E+001 | 1.07356E+001 | 3.47000E-003 | 0.00000E+000 | 1.08224E+001 |
| Rollers | 4.58000E-003 | 4.79600E-002 | 5.55600E-002 | 8.00000E-005 | 2.63000E-003 | 2.42000E-003 | 0.00000E+000 | 6.91581E+000 | 6.91581E+000 | 2.24000E-003 | 0.00000E+000 | 6.97173E+000 |
| Rubber Tired Dozers | 6.27000E-003 | 1.21280E-001 | 1.35920E-001 | 2.60000E-004 | 4.60000E-003 | 4.60000E-003 | 0.00000E+000 | 2.25073E+001 | 2.25073E+001 | 7.28000E-003 | 0.00000E+000 | 2.26892E+001 |
| Scrapers | 2.23700E-002 | 4.32480E-001 | 4.84680E-001 | 9.10000E-004 | 1.64000E-002 | 1.64000E-002 | 0.00000E+000 | 8.00206E+001 | 8.00206E+001 | 2.58800E-002 | 0.00000E+000 | 8.06676E+001 |
| Tractors/Loaders/Balckhoes | 5.44200E-002 | 5.48340E-001 | 8.38090E-001 | 1.17000E-003 | 2.54900E-002 | 2.34500E-002 | 0.00000E+000 | 1.02649E+002 | 1.02649E+002 | 3.32000E-002 | 0.00000E+000 | 1.03479E+002 |
| Welders | 2.83000E-002 | 1.65690E-001 | 1.99640E-001 | 3.10000E-004 | 5.70000E-003 | 5.70000E-003 | 0.00000E+000 | 2.25865E+001 | 2.25865E+001 | 2.31000E-003 | 0.00000E+000 | 2.26441E+001 |

SMPs Project - SMP 40 - Mitigated

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

| Equipment Type | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|--------------|---------------|---------------|--------------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Percent Reduction | | | | | | | | | | | | |
| Air Compressors | 0.00000E+000 | 0.00000E+000 | 4.60363E-005 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 9.79143E-007 | 9.79143E-007 | 0.00000E+000 | 0.00000E+000 | 1.30369E-006 |
| Cranes | 5.72495E-001 | 2.17801E-001 | -7.30883E-001 | 0.00000E+000 | 2.86741E-001 | 2.24432E-001 | 0.00000E+000 | 1.31508E-006 | 1.31508E-006 | 0.00000E+000 | 0.00000E+000 | 1.11817E-006 |
| Excavators | 3.26855E-001 | -5.86311E-001 | -2.02640E-001 | 0.00000E+000 | -5.64835E-001 | -7.03349E-001 | 0.00000E+000 | 1.10208E-006 | 1.10208E-006 | 0.00000E+000 | 0.00000E+000 | 1.09324E-006 |
| Forklifts | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.24108E-006 | 1.24108E-006 | 0.00000E+000 | 0.00000E+000 | 1.02594E-006 |
| Generator Sets | 2.92312E-004 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.17951E-006 | 1.17951E-006 | 0.00000E+000 | 0.00000E+000 | 1.17832E-006 |
| Graders | 5.76522E-001 | 3.25811E-001 | -1.07700E+000 | 0.00000E+000 | 2.10177E-001 | 1.41827E-001 | 0.00000E+000 | 1.14671E-006 | 1.14671E-006 | 0.00000E+000 | 0.00000E+000 | 1.13751E-006 |
| Pavers | 3.93357E-001 | -1.98498E-001 | -2.35294E-001 | 0.00000E+000 | -2.31939E-001 | -3.38843E-001 | 0.00000E+000 | 1.61436E-006 | 1.61436E-006 | 0.00000E+000 | 0.00000E+000 | 1.60141E-006 |
| Paving Equipment | 4.07843E-001 | -2.23877E-001 | -2.12117E-001 | 0.00000E+000 | -2.15517E-001 | -3.23944E-001 | 0.00000E+000 | 9.31478E-007 | 9.31478E-007 | 0.00000E+000 | 0.00000E+000 | 9.24007E-007 |
| Rollers | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.44596E-006 | 1.44596E-006 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 |
| Rubber Tired Dozers | 6.94742E-001 | 4.32767E-001 | -4.58526E-001 | 0.00000E+000 | 5.22326E-001 | 4.80813E-001 | 0.00000E+000 | 8.88602E-007 | 8.88602E-007 | 0.00000E+000 | 0.00000E+000 | 1.32221E-006 |
| Scrapers | 5.26160E-001 | 1.29819E-001 | -3.16278E-001 | 0.00000E+000 | 1.58543E-001 | 8.53318E-002 | 0.00000E+000 | 1.12471E-006 | 1.12471E-006 | 0.00000E+000 | 0.00000E+000 | 1.11569E-006 |
| Tractors/Loaders/Balckhoes | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.16903E-006 | 1.16903E-006 | 0.00000E+000 | 0.00000E+000 | 1.15966E-006 |
| Welders | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.32823E-006 | 1.32823E-006 | 0.00000E+000 | 0.00000E+000 | 8.83232E-007 |

Fugitive Dust Mitigation

Yes/No Mitigation Measure Mitigation Input Mitigation Input Mitigation Input

| | | | | | |
|----|-----------------------------------|----------------|------|-----------------|------|
| No | Soil Stabilizer for unpaved Roads | PM10 Reduction | 0.00 | PM2.5 Reduction | 0.00 |
|----|-----------------------------------|----------------|------|-----------------|------|

SMPs Project - SMP 40 - Mitigated

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

| | | | | | | | |
|----|--|--------------------|------|---------------------|------|---------------------|--|
| No | Replace Ground Cover of Area Disturbed | PM10 Reduction | 0.00 | PM2.5 Reduction | 0.00 | | |
| No | Water Exposed Area | PM10 Reduction | 0.00 | PM2.5 Reduction | 0.00 | Frequency (per day) | |
| No | Unpaved Road Mitigation | Moisture Content % | 0.00 | Vehicle Speed (mph) | 0.00 | | |
| No | Clean Paved Road | % PM Reduction | 0.00 | | | | |

| Phase | Source | Unmitigated | | Mitigated | | Percent Reduction | |
|-----------------------|---------------|-------------|-------|-----------|-------|-------------------|-------|
| | | PM10 | PM2.5 | PM10 | PM2.5 | PM10 | PM2.5 |
| Architectural Coating | Fugitive Dust | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Architectural Coating | Roads | 0.09 | 0.02 | 0.09 | 0.02 | 0.00 | 0.00 |
| Building Construction | Fugitive Dust | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Building Construction | Roads | 0.57 | 0.15 | 0.57 | 0.15 | 0.00 | 0.00 |
| Grading | Fugitive Dust | 0.28 | 0.11 | 0.28 | 0.11 | 0.00 | 0.00 |
| Grading | Roads | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving | Fugitive Dust | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving | Roads | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Operational Percent Reduction Summary

| Category | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|------|------|------|------|--------------|---------------|----------|-----------|-----------|------|------|------|
| Percent Reduction | | | | | | | | | | | | |
| Architectural Coating | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

SMPs Project - SMP 40 - Mitigated

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

| | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Consumer Products | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hearth | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Landscaping | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mobile | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Natural Gas | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Water Indoor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Water Outdoor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Operational Mobile Mitigation

Project Setting: Suburban Center

| Mitigation | Category | Measure | % Reduction | Input Value 1 | Input Value 2 | Input Value 3 |
|------------|---------------------------|-------------------------------------|-------------|---------------|---------------|---------------|
| No | Land Use | Increase Density | 0.00 | 0.00 | 0.00 | |
| No | Land Use | Increase Diversity | 0.07 | 0.27 | | |
| No | Land Use | Improve Walkability Design | 0.00 | 0.00 | | |
| No | Land Use | Improve Destination Accessibility | 0.00 | 0.00 | | |
| No | Land Use | Increase Transit Accessibility | 0.25 | | | |
| No | Land Use | Integrate Below Market Rate Housing | 0.00 | 0.00 | | |
| | Land Use | Land Use SubTotal | 0.00 | | | |
| No | Neighborhood Enhancements | Improve Pedestrian Network | 1.00 | Project Site | | |
| No | Neighborhood Enhancements | Provide Traffic Calming Measures | | | | |

SMPs Project - SMP 40 - Mitigated

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

| | | | | | |
|----|---------------------------|--|-------|------|------|
| No | Neighborhood Enhancements | Implement NEV Network | 0.00 | | |
| | Neighborhood Enhancements | Neighborhood Enhancements Subtotal | 0.00 | | |
| No | Parking Policy Pricing | Limit Parking Supply | 0.00 | 0.00 | |
| No | Parking Policy Pricing | Unbundle Parking Costs | 0.00 | 0.00 | |
| No | Parking Policy Pricing | On-street Market Pricing | 0.00 | 0.00 | |
| | Parking Policy Pricing | Parking Policy Pricing Subtotal | 0.00 | | |
| No | Transit Improvements | Provide BRT System | 0.00 | 0.00 | |
| No | Transit Improvements | Expand Transit Network | 0.00 | 0.00 | |
| No | Transit Improvements | Increase Transit Frequency | 0.00 | | 0.00 |
| | Transit Improvements | Transit Improvements Subtotal | 0.00 | | |
| | | Land Use and Site Enhancement Subtotal | 0.00 | | |
| No | Commute | Implement Trip Reduction Program | | | |
| No | Commute | Transit Subsidy | | | |
| No | Commute | Implement Employee Parking "Cash Out" | 4.50 | | |
| No | Commute | Workplace Parking Charge | | 0.00 | |
| No | Commute | Encourage Telecommuting and Alternative Work Schedules | 0.00 | | |
| No | Commute | Market Commute Trip Reduction Option | 0.00 | | |
| No | Commute | Employee Vanpool/Shuttle | 0.00 | | 2.00 |
| No | Commute | Provide Ride Sharing Program | 10.00 | | |
| | Commute | Commute Subtotal | 0.00 | | |
| No | School Trip | Implement School Bus Program | 0.00 | | |

SMPs Project - SMP 40 - Mitigated

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

| | | | | |
|--|---------------------|------|--|--|
| | Total VMT Reduction | 0.00 | | |
|--|---------------------|------|--|--|

Area Mitigation

| Measure Implemented | Mitigation Measure | Input Value |
|---------------------|--|-------------|
| No | Only Natural Gas Hearth | |
| No | No Hearth | |
| No | Use Low VOC Cleaning Supplies | |
| No | Use Low VOC Paint (Residential Interior) | 100.00 |
| No | Use Low VOC Paint (Residential Exterior) | 150.00 |
| No | Use Low VOC Paint (Non-residential Interior) | 100.00 |
| No | Use Low VOC Paint (Non-residential Exterior) | 150.00 |
| No | Use Low VOC Paint (Parking) | 150.00 |
| No | % Electric Lawnmower | |
| No | % Electric Leafblower | |
| No | % Electric Chainsaw | |

Energy Mitigation Measures

| Measure Implemented | Mitigation Measure | Input Value 1 | Input Value 2 |
|---------------------|----------------------------------|---------------|---------------|
| No | Exceed Title 24 | | |
| No | Install High Efficiency Lighting | | |
| No | On-site Renewable | | |

SMPs Project - SMP 40 - Mitigated

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

| Appliance Type | Land Use Subtype | % Improvement |
|----------------|------------------|---------------|
| ClothWasher | | 30.00 |
| DishWasher | | 15.00 |
| Fan | | 50.00 |
| Refrigerator | | 15.00 |

Water Mitigation Measures

| Measure Implemented | Mitigation Measure | Input Value 1 | Input Value 2 |
|---------------------|--|---------------|---------------|
| Yes | Apply Water Conservation on Strategy | 0.00 | 20.00 |
| No | Use Reclaimed Water | 0.00 | 0.00 |
| No | Use Grey Water | 0.00 | |
| No | Install low-flow bathroom faucet | 32.00 | |
| No | Install low-flow Kitchen faucet | 18.00 | |
| No | Install low-flow Toilet | 20.00 | |
| No | Install low-flow Shower | 20.00 | |
| No | Turf Reduction | 0.00 | |
| No | Use Water Efficient Irrigation Systems | 6.10 | |
| No | Water Efficient Landscape | 0.00 | 0.00 |

Solid Waste Mitigation

| Mitigation Measures | Input Value |
|---------------------|-------------|
|---------------------|-------------|

SMPs Project - SMP 40 - Mitigated

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

| | |
|--|--|
| Institute Recycling and Composting Services Percent Reduction in Waste Disposed | |
|--|--|

Road Construction Emissions Model
Data Entry Worksheet

Version 9.0.1

Note: Required data input sections have a yellow background.
 Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
 The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
 Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

Input Type

Project Name: SMPs - Trail Option 1

Construction Start Year: 2023

Project Type: 2

Project Construction Time: 2.00 months
Working Days per Month: 22.00 days

Predominant Soil/Site Type: Enter 1, 2, or 3
(for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22): 1

Project Length: 0.40 miles
Total Project Area: 0.49 acres
Maximum Area Disturbed/Day: 0.49 acres

Water Trucks Used?: 2

Enter a Year between 2014 and 2040 (inclusive)

- 1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway
- 2) Road Widening : Project to add a new lane to an existing roadway
- 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane
- 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction

months
days (assume 22 if unknown)

- 1) Sand Gravel : Use for quaternary deposits (Delta/West County)
- 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the lone formation (Scott Road, Rancho Murieta)
- 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)

miles
acres
acres

1. Yes
2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County. NEW LINK 8-2-2022.

<https://maps.conservation.ca.gov/cgs/gmc/>

Material Hauling Quantity Input

| Material Type | Phase | Haul Truck Capacity (yd ³) (assume 20 if unknown) | Import Volume (yd ³ /day) | Export Volume (yd ³ /day) |
|---------------|------------------------------|---|--------------------------------------|--------------------------------------|
| Soil | Grubbing/Land Clearing | | | |
| | Grading/Excavation | | | |
| | Drainage/Utilities/Sub-Grade | | | |
| | Paving | | | |
| Asphalt | Grubbing/Land Clearing | | | |
| | Grading/Excavation | | | |
| | Drainage/Utilities/Sub-Grade | | | |
| | Paving | | | |

Mitigation Options

On-road Fleet Emissions Mitigation

Off-road Equipment Emissions Mitigation

Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer

Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAGMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (<http://www.airquality.org/Businesses/CEQA-Land-Use-Planning/Mitigation>).

Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

The remaining sections of this sheet contain areas that can be modified by the user, although those modifications are optional.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

| Construction Periods | User Override of Construction Months | Program Calculated Months | User Override of Phase Starting Date | Program Default Phase Starting Date |
|------------------------------|--------------------------------------|---------------------------|--------------------------------------|-------------------------------------|
| Grubbing/Land Clearing | | 0.20 | | 1/1/2023 |
| Grading/Excavation | | 0.80 | | 1/8/2023 |
| Drainage/Utilities/Sub-Grade | | 0.70 | | 2/2/2023 |
| Paving | | 0.30 | | 2/24/2023 |
| Totals (Months) | 2 | | | |

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

| Soil Hauling Emissions | User Override of Miles/Round Trip | Program Estimate of Miles/Round Trip | User Override of Truck Round Trips/Day | Default Values Round Trips/Day | Calculated Daily VMT | | | | | |
|---|-----------------------------------|--------------------------------------|--|--------------------------------|----------------------|------------|------------|------------|------------|-------------|
| User Input | | | | | | | | | | |
| Miles/round trip: Grubbing/Land Clearing | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Grading/Excavation | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Drainage/Utilities/Sub-Grade | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Paving | | 30.00 | | 0 | 0.00 | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Grubbing/Land Clearing (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grading/Excavation (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Paving (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total tons per construction project | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Note: Asphalt Hauling emission default values can be overridden in cells D91 through D94, and F91 through F94.

| Asphalt Hauling Emissions | User Override of Miles/Round Trip | Program Estimate of Miles/Round Trip | User Override of Truck Round Trips/Day | Default Values Round Trips/Day | Calculated Daily VMT | | | | | |
|---|-----------------------------------|--------------------------------------|--|--------------------------------|----------------------|------------|------------|------------|------------|-------------|
| User Input | | | | | | | | | | |
| Miles/round trip: Grubbing/Land Clearing | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Grading/Excavation | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Drainage/Utilities/Sub-Grade | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Paving | | 30.00 | | 0 | 0.00 | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Grubbing/Land Clearing (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grading/Excavation (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Paving (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total tons per construction project | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Note: Worker commute default values can be overridden in cells D121 through D126.

| Worker Commute Emissions | | User Override of Worker Commute Default Values | | | | Default Values | | | | | |
|---|------------|--|------------|-------------|--------------|----------------|------------|------------|------------|-------------|--|
| User Input | | | | | | | | | | | |
| Miles/ one-way trip | | 20 | | Calculated | | Calculated | | | | | |
| One-way trips/day | | 2 | | Daily Trips | | Daily VMT | | | | | |
| No. of employees: Grubbing/Land Clearing | | 5 | | 10 | | 200.00 | | | | | |
| No. of employees: Grading/Excavation | | 20 | | 40 | | 800.00 | | | | | |
| No. of employees: Drainage/Utilities/Sub-Grade | | 14 | | 28 | | 560.00 | | | | | |
| No. of employees: Paving | | 10 | | 20 | | 400.00 | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | |
| Grubbing/Land Clearing (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | |
| Grading/Excavation (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | |
| Paving (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | |
| Grubbing/Land Clearing (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | |
| Grading/Excavation (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | |
| Draining/Utilities/Sub-Grade (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | |
| Paving (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | |
| Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | |
| Pounds per day - Grubbing/Land Clearing | 0.03 | 0.46 | 0.04 | 0.02 | 0.01 | 0.00 | 141.57 | 0.00 | 0.00 | 142.71 | |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.31 | |
| Pounds per day - Grading/Excavation | 0.12 | 1.85 | 0.15 | 0.08 | 0.03 | 0.01 | 566.28 | 0.01 | 0.01 | 570.83 | |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 4.98 | 0.00 | 0.00 | 5.02 | |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.08 | 1.30 | 0.11 | 0.05 | 0.02 | 0.00 | 396.39 | 0.01 | 0.01 | 399.59 | |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 3.05 | 0.00 | 0.00 | 3.08 | |
| Pounds per day - Paving | 0.06 | 0.93 | 0.08 | 0.04 | 0.02 | 0.00 | 283.14 | 0.01 | 0.01 | 285.42 | |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.00 | 0.00 | 0.94 | |
| Total tons per construction project | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 9.28 | 0.00 | 0.00 | 9.36 | |

Note: Water Truck default values can be overridden in cells D153 through D156, I153 through I156, and F153 through F156.

| Water Truck Emissions | | User Override of | | Program Estimate of | | User Override of Truck | | Default Values | | Calculated | | User Override of | | Default Values | | Calculated | |
|---|------------|------------------------|------------|------------------------|--------------|-------------------------|------------|-------------------------|------------|-------------|--|------------------|--|------------------|--|------------|--|
| User Input | | Default # Water Trucks | | Number of Water Trucks | | Round Trips/Vehicle/Day | | Round Trips/Vehicle/Day | | Trips/day | | Miles/Round Trip | | Miles/Round Trip | | Daily VMT | |
| Grubbing/Land Clearing - Exhaust | | | 0 | | | 5 | | 0 | | | | 8.00 | | 8.00 | | 0.00 | |
| Grading/Excavation - Exhaust | | | 0 | | | 5 | | 0 | | | | 8.00 | | 8.00 | | 0.00 | |
| Drainage/Utilities/Subgrade | | | 0 | | | 5 | | 0 | | | | 8.00 | | 8.00 | | 0.00 | |
| Paving | | | 0 | | | 5 | | 0 | | | | 8.00 | | 8.00 | | 0.00 | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | | | | | | | |
| Grubbing/Land Clearing (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | | | |
| Grading/Excavation (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | | | |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | | | |
| Paving (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | | | |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | |
| Paving (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | |
| Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | | | | | | | |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | |
| Pounds per day - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | |
| Total tons per construction project | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | |

Note: Fugitive dust default values can be overridden in cells D183 through D185.

| Fugitive Dust | | User Override of Max | | Default | | PM10 | | PM10 | | PM2.5 | | PM2.5 | |
|---|--|-----------------------|------|---------|-------------|------------|--|-----------------|--|------------|--|-----------------|--|
| | | Acreage Disturbed/Day | | Maximum | Acreage/Day | pounds/day | | tons/per period | | pounds/day | | tons/per period | |
| Fugitive Dust - Grubbing/Land Clearing | | | 0.49 | | | 9.80 | | 0.02 | | 2.04 | | 0.00 | |
| Fugitive Dust - Grading/Excavation | | | 0.49 | | | 9.80 | | 0.09 | | 2.04 | | 0.02 | |
| Fugitive Dust - Drainage/Utilities/Subgrade | | | 0.49 | | | 9.80 | | 0.08 | | 2.04 | | 0.02 | |

| Off-Road Equipment Emissions | | | | | | | | | | | | |
|--|------------------------|--|---|--------------------|---------------------------------|------------|------------|------------|------------|------------|------------|------------|
| Grubbing/Land Clearing | | Default Number of Vehicles | Mitigation Option Override of Default | Default | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| | | | | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | | Model Default Tier | Crawler Tractors | 0.44 | 2.24 | 5.12 | 0.20 | 0.18 | 0.01 | 758.27 |
| | | | | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 2 | | | Model Default Tier | Excavators | 0.38 | 6.52 | 3.10 | 0.15 | 0.14 | 0.01 | 1,000.21 |
| | | | | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | | Model Default Tier | Signal Boards | 0.06 | 0.30 | 0.36 | 0.01 | 0.01 | 0.00 | 49.31 |
| | | | | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Tractors/Loaders/Backhoes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User-Defined Off-road Equipment | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| Number of Vehicles | | Equipment Tier | Type | | | | | | | | | |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Grubbing/Land Clearing | | pounds per day | | 0.88 | 9.06 | 8.58 | 0.36 | 0.34 | 0.02 | 1,807.80 | 0.57 |
| | Grubbing/Land Clearing | | tons per phase | | 0.00 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | 3.98 | 0.00 |

| Grading/Excavation | Default | | Mitigation Option | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
|--|--|------------------|---|---------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | Number of Vehicles | Override of | Default | Default | | | | | | | | |
| | Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | | | | | | | | |
| | | | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0 | | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Model Default Tier | Crawler Tractors | 0.44 | 2.24 | 5.12 | 0.20 | 0.18 | 0.01 | 758.27 | 0.25 |
| | | | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 3 | | Model Default Tier | Excavators | 0.57 | 9.77 | 4.65 | 0.23 | 0.21 | 0.02 | 1,500.32 | 0.49 |
| | | | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 2 | | Model Default Tier | Graders | 0.77 | 3.39 | 9.31 | 0.30 | 0.28 | 0.01 | 1,281.71 | 0.41 |
| | | | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 2 | | Model Default Tier | Rollers | 0.31 | 3.70 | 3.22 | 0.18 | 0.16 | 0.01 | 508.22 | 0.16 |
| | | | Model Default Tier | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Model Default Tier | Rubber Tired Loaders | 0.27 | 1.51 | 2.65 | 0.09 | 0.08 | 0.01 | 605.56 | 0.20 |
| | 2 | | Model Default Tier | Scrapers | 1.57 | 12.27 | 16.57 | 0.65 | 0.60 | 0.03 | 2,940.26 | 0.95 |
| | 1 | | Model Default Tier | Signal Boards | 0.06 | 0.30 | 0.36 | 0.01 | 0.01 | 0.00 | 49.31 | 0.01 |
| | | | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 4 | | Model Default Tier | Tractors/Loaders/Backhoes | 0.61 | 8.93 | 6.14 | 0.30 | 0.28 | 0.01 | 1,206.31 | 0.39 |
| | | | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User-Defined Off-road Equipment | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| Number of Vehicles | | | Equipment Tier | Type | | | | | | | | |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Grading/Excavation | | | pounds per day | 4.59 | 42.12 | 48.02 | 1.96 | 1.81 | 0.09 | 8,849.96 | 2.85 |
| | Grading/Excavation | | | tons per phase | 0.04 | 0.37 | 0.42 | 0.02 | 0.02 | 0.00 | 77.88 | 0.03 |

| Default | | Mitigation Option | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | |
|--|------------------------------|---|--------------------|---------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Drainage/Utilities/Subgrade | Number of Vehicles | Override of | Default | | | | | | | | | |
| Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | |
| | 1 | | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Air Compressors | 0.26 | 2.41 | 1.74 | 0.09 | 0.09 | 0.00 | 375.26 | |
| | | | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Model Default Tier | Generator Sets | 0.31 | 3.67 | 2.72 | 0.13 | 0.13 | 0.01 | 623.04 | |
| | 1 | | Model Default Tier | Graders | 0.38 | 1.69 | 4.65 | 0.15 | 0.14 | 0.01 | 640.86 | |
| | | | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Model Default Tier | Plate Compactors | 0.04 | 0.21 | 0.25 | 0.01 | 0.01 | 0.00 | 34.48 | |
| | | | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Model Default Tier | Pumps | 0.33 | 3.73 | 2.75 | 0.13 | 0.13 | 0.01 | 623.04 | |
| | | | Model Default Tier | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Model Default Tier | Rough Terrain Forklifts | 0.11 | 2.29 | 1.40 | 0.04 | 0.04 | 0.00 | 333.80 | |
| | | | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Model Default Tier | Scrapers | 0.79 | 6.14 | 8.28 | 0.32 | 0.30 | 0.02 | 1,470.13 | |
| | 1 | | Model Default Tier | Signal Boards | 0.06 | 0.30 | 0.36 | 0.01 | 0.01 | 0.00 | 49.31 | |
| | | | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 3 | | Model Default Tier | Tractors/Loaders/Backhoes | 0.45 | 6.69 | 4.61 | 0.23 | 0.21 | 0.01 | 904.73 | |
| | | | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| User-Defined Off-road Equipment | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| Number of Vehicles | | Equipment Tier | | | | | | | | | | |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Drainage/Utilities/Sub-Grade | | pounds per day | 2.72 | 27.13 | 26.76 | 1.13 | 1.07 | 0.05 | 5,054.65 | 1.17 | |
| | Drainage/Utilities/Sub-Grade | | tons per phase | 0.02 | 0.21 | 0.21 | 0.01 | 0.01 | 0.00 | 38.92 | 0.01 | |

| Paving | Default | | Mitigation Option | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
|--|--|------------------|---|---------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|-------------|
| | Number of Vehicles | Override of | Default | Default | | | | | | | | |
| | Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | | | | | | | | |
| | | | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Model Default Tier | Pavers | 0.19 | 2.88 | 1.88 | 0.09 | 0.08 | 0.00 | 455.22 | 0.15 |
| | 1 | | Model Default Tier | Paving Equipment | 0.17 | 2.56 | 1.60 | 0.08 | 0.07 | 0.00 | 394.47 | 0.13 |
| | | | Model Default Tier | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 2 | | Model Default Tier | Rollers | 0.31 | 3.70 | 3.22 | 0.18 | 0.16 | 0.01 | 508.22 | 0.16 |
| | | | Model Default Tier | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Model Default Tier | Signal Boards | 0.06 | 0.30 | 0.36 | 0.01 | 0.01 | 0.00 | 49.31 | 0.01 |
| | | | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 3 | | Model Default Tier | Tractors/Loaders/Backhoes | 0.45 | 6.69 | 4.61 | 0.23 | 0.21 | 0.01 | 904.73 | 0.29 |
| | | | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User-Defined Off-road Equipment | | | | | | | | | | | | |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| Number of Vehicles | | Equipment Tier | Type | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Paving | | pounds per day | | 1.18 | 16.14 | 11.67 | 0.59 | 0.54 | 0.02 | 2,311.94 | 0.74 |
| | Paving | | tons per phase | | 0.00 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 7.63 | 0.00 |
| Total Emissions all Phases (tons per construction period) => | | | | | 0.07 | 0.65 | 0.69 | 0.03 | 0.03 | 0.00 | 128.41 | 0.04 |

| N2O | CO2e |
|------------|------------|
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 766.45 |
| 0.00 | 0.00 |
| 0.01 | 1,516.49 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,295.52 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 513.69 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 612.10 |
| 0.03 | 2,971.94 |
| 0.00 | 49.56 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,219.29 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| N2O | CO2e |
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.08 | 8,945.05 |
| 0.00 | 78.72 |

| N2O | CO2e |
|------------|------------|
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 376.67 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 625.12 |
| 0.01 | 647.76 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 34.65 |
| 0.00 | 0.00 |
| 0.00 | 625.14 |
| 0.00 | 0.00 |
| 0.00 | 337.40 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,485.97 |
| 0.00 | 49.56 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 914.46 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.04 | 5,096.74 |
| 0.00 | 39.24 |

| N2O | CO2e |
|------------|------------|
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 460.13 |
| 0.00 | 396.72 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 513.69 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 49.56 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 914.46 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| <hr/> | |
| N2O | CO2e |
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| <hr/> | |
| 0.02 | 2,336.57 |
| 0.00 | 7.71 |
| <hr/> | |
| 0.00 | 129.69 |

Equipment default values for horsepower and hours/day can be overridden in cells D403 through D436 and F403 through F436.

| Equipment | User Override of Horsepower | Default Values Horsepower | User Override of Hours/day | Default Values Hours/day |
|------------------------------------|--------------------------------|------------------------------|-------------------------------|-----------------------------|
| Aerial Lifts | | 63 | | 8 |
| Air Compressors | | 78 | | 8 |
| Bore/Drill Rigs | | 221 | | 8 |
| Cement and Mortar Mixers | | 9 | | 8 |
| Concrete/Industrial Saws | | 81 | | 8 |
| Cranes | | 231 | | 8 |
| Crawler Tractors | | 212 | | 8 |
| Crushing/Proc. Equipment | | 85 | | 8 |
| Excavators | | 158 | | 8 |
| Forklifts | | 89 | | 8 |
| Generator Sets | | 84 | | 8 |
| Graders | | 187 | | 8 |
| Off-Highway Tractors | | 124 | | 8 |
| Off-Highway Trucks | | 402 | | 8 |
| Other Construction Equipment | | 172 | | 8 |
| Other General Industrial Equipment | | 88 | | 8 |
| Other Material Handling Equipment | | 168 | | 8 |
| Pavers | | 130 | | 8 |
| Paving Equipment | | 132 | | 8 |
| Plate Compactors | | 8 | | 8 |
| Pressure Washers | | 13 | | 8 |
| Pumps | | 84 | | 8 |
| Rollers | | 80 | | 8 |
| Rough Terrain Forklifts | | 100 | | 8 |
| Rubber Tired Dozers | | 247 | | 8 |
| Rubber Tired Loaders | | 203 | | 8 |
| Scrapers | | 367 | | 8 |
| Signal Boards | | 6 | | 8 |
| Skid Steer Loaders | | 65 | | 8 |
| Surfacing Equipment | | 263 | | 8 |
| Sweepers/Scrubbers | | 64 | | 8 |
| Tractors/Loaders/Backhoes | | 97 | | 8 |
| Trenchers | | 78 | | 8 |
| Welders | | 46 | | 8 |

END OF DATA ENTRY SHEET

Road Construction Emissions Model, Version 9.0.1

| Daily Emission Estimates for -> SMPs - Trail Option 1 | | | | | | | | | | | | | | |
|---|---------------|--------------|---------------|----------------------|------------------------|------------------------------|-----------------------|-------------------------|-------------------------------|---------------|---------------|---------------|---------------|----------------|
| Project Phases (Pounds) | ROG (lbs/day) | CO (lbs/day) | NOx (lbs/day) | Total PM10 (lbs/day) | Exhaust PM10 (lbs/day) | Fugitive Dust PM10 (lbs/day) | Total PM2.5 (lbs/day) | Exhaust PM2.5 (lbs/day) | Fugitive Dust PM2.5 (lbs/day) | SOx (lbs/day) | CO2 (lbs/day) | CH4 (lbs/day) | N2O (lbs/day) | CO2e (lbs/day) |
| Grubbing/Land Clearing | 0.91 | 9.52 | 8.62 | 10.18 | 0.38 | 9.80 | 2.38 | 0.34 | 2.04 | 0.02 | 1,949.37 | 0.58 | 0.02 | 1,969.72 |
| Grading/Excavation | 4.71 | 43.97 | 48.17 | 11.84 | 2.04 | 9.80 | 3.88 | 1.84 | 2.04 | 0.10 | 9,416.23 | 2.86 | 0.09 | 9,515.88 |
| Drainage/Utilities/Sub-Grade | 2.80 | 28.43 | 26.87 | 10.99 | 1.19 | 9.80 | 3.13 | 1.09 | 2.04 | 0.06 | 5,451.04 | 1.18 | 0.05 | 5,496.33 |
| Paving | 1.24 | 17.07 | 11.75 | 0.63 | 0.63 | 0.00 | 0.56 | 0.56 | 0.00 | 0.03 | 2,595.08 | 0.74 | 0.03 | 2,621.99 |
| Maximum (pounds/day) | 4.71 | 43.97 | 48.17 | 11.84 | 2.04 | 9.80 | 3.88 | 1.84 | 2.04 | 0.10 | 9,416.23 | 2.86 | 0.09 | 9,515.88 |
| Total (tons/construction project) | 0.07 | 0.68 | 0.69 | 0.21 | 0.03 | 0.18 | 0.07 | 0.03 | 0.04 | 0.00 | 137.69 | 0.04 | 0.00 | 139.05 |

Notes: Project Start Year -> 2023
 Project Length (months) -> 2
 Total Project Area (acres) -> 0
 Maximum Area Disturbed/Day (acres) -> 0
 Water Truck Used? -> No

| Phase | Total Material Imported/Exported Volume (yd ³ /day) | | Daily VMT (miles/day) | | | |
|------------------------------|--|---------|-----------------------|-----------------|----------------|-------------|
| | Soil | Asphalt | Soil Hauling | Asphalt Hauling | Worker Commute | Water Truck |
| Grubbing/Land Clearing | 0 | 0 | 0 | 0 | 200 | 0 |
| Grading/Excavation | 0 | 0 | 0 | 0 | 800 | 0 |
| Drainage/Utilities/Sub-Grade | 0 | 0 | 0 | 0 | 560 | 0 |
| Paving | 0 | 0 | 0 | 0 | 400 | 0 |


PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.
 Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.
 CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

| Total Emission Estimates by Phase for -> SMPs - Trail Option 1 | | | | | | | | | | | | | | |
|---|------------------|-----------------|------------------|-------------------------|---------------------------|---------------------------------|--------------------------|----------------------------|----------------------------------|------------------|------------------|------------------|------------------|-----------------|
| Project Phases (Tons for all except CO2e. Metric tonnes for CO2e) | ROG (tons/phase) | CO (tons/phase) | NOx (tons/phase) | Total PM10 (tons/phase) | Exhaust PM10 (tons/phase) | Fugitive Dust PM10 (tons/phase) | Total PM2.5 (tons/phase) | Exhaust PM2.5 (tons/phase) | Fugitive Dust PM2.5 (tons/phase) | SOx (tons/phase) | CO2 (tons/phase) | CH4 (tons/phase) | N2O (tons/phase) | CO2e (MT/phase) |
| Grubbing/Land Clearing | 0.00 | 0.02 | 0.02 | 0.02 | 0.00 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 4.29 | 0.00 | 0.00 | 3.93 |
| Grading/Excavation | 0.04 | 0.39 | 0.42 | 0.10 | 0.02 | 0.09 | 0.03 | 0.02 | 0.02 | 0.00 | 82.86 | 0.03 | 0.00 | 75.97 |
| Drainage/Utilities/Sub-Grade | 0.02 | 0.22 | 0.21 | 0.08 | 0.01 | 0.08 | 0.02 | 0.01 | 0.02 | 0.00 | 41.97 | 0.01 | 0.00 | 38.39 |
| Paving | 0.00 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.56 | 0.00 | 0.00 | 7.85 |
| Maximum (tons/phase) | 0.04 | 0.39 | 0.42 | 0.10 | 0.02 | 0.09 | 0.03 | 0.02 | 0.02 | 0.00 | 82.86 | 0.03 | 0.00 | 75.97 |
| Total (tons/construction project) | 0.07 | 0.68 | 0.69 | 0.21 | 0.03 | 0.18 | 0.07 | 0.03 | 0.04 | 0.00 | 137.69 | 0.04 | 0.00 | 126.14 |

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.
 Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.
 CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.
 The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model
Data Entry Worksheet

Version 9.0.1



Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

Input Type

| | |
|--|-----------------------|
| Project Name | SMPs - Trail Option 1 |
| Construction Start Year | 2023 |
| Project Type | 2 |
| Project Construction Time | 2.00 |
| Working Days per Month | 22.00 |
| Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22) | 1 |
| Project Length | 0.40 |
| Total Project Area | 0.49 |
| Maximum Area Disturbed/Day | 0.49 |
| Water Trucks Used? | 2 |

Enter a Year between 2014 and 2040 (inclusive)

- 1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway
- 2) Road Widening : Project to add a new lane to an existing roadway
- 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane
- 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction

months
days (assume 22 if unknown)

- 1) Sand Gravel : Use for quaternary deposits (Delta/West County)
- 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the lone formation (Scott Road, Rancho Murieta)
- 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)

miles
acres
acres
1. Yes
2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County. NEW LINK 8-2-2022.

<https://maps.conservation.ca.gov/cgs/gmc/>

Material Hauling Quantity Input

| Material Type | Phase | Haul Truck Capacity (yd ³) (assume 20 if unknown) | Import Volume (yd ³ /day) | Export Volume (yd ³ /day) |
|---------------|------------------------------|---|--------------------------------------|--------------------------------------|
| Soil | Grubbing/Land Clearing | | | |
| | Grading/Excavation | | | |
| | Drainage/Utilities/Sub-Grade | | | |
| | Paving | | | |
| Asphalt | Grubbing/Land Clearing | | | |
| | Grading/Excavation | | | |
| | Drainage/Utilities/Sub-Grade | | | |
| | Paving | | | |

Mitigation Options

| | |
|---|----------------------|
| On-road Fleet Emissions Mitigation | |
| Off-road Equipment Emissions Mitigation | Tier 4 Equipment |
| Will all off-road equipment be tier 4? | All Tier 4 Equipment |

Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer

Select "20% NCx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAGMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (<http://www.airquality.org/Businesses/CEQA-Land-Use-Planning/Mitigation>).

Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

| Construction Periods | User Override of Construction Months | Program Calculated Months | User Override of Phase Starting Date | Program Default Phase Starting Date |
|------------------------------|--------------------------------------|---------------------------|--------------------------------------|-------------------------------------|
| Grubbing/Land Clearing | | 0.20 | | 1/1/2023 |
| Grading/Excavation | | 0.80 | | 1/8/2023 |
| Drainage/Utilities/Sub-Grade | | 0.70 | | 2/2/2023 |
| Paving | | 0.30 | | 2/24/2023 |
| Totals (Months) | 2 | | | |

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

| Soil Hauling Emissions | User Override of Miles/Round Trip | Program Estimate of Miles/Round Trip | User Override of Truck Round Trips/Day | Default Values Round Trips/Day | Calculated Daily VMT | | | | | |
|---|-----------------------------------|--------------------------------------|--|--------------------------------|----------------------|------------|------------|------------|------------|-------------|
| User Input | | | | | | | | | | |
| Miles/round trip: Grubbing/Land Clearing | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Grading/Excavation | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Drainage/Utilities/Sub-Grade | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Paving | | 30.00 | | 0 | 0.00 | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Grubbing/Land Clearing (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grading/Excavation (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Paving (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total tons per construction project | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Note: Asphalt Hauling emission default values can be overridden in cells D91 through D94, and F91 through F94.

| Asphalt Hauling Emissions | User Override of Miles/Round Trip | Program Estimate of Miles/Round Trip | User Override of Truck Round Trips/Day | Default Values Round Trips/Day | Calculated Daily VMT | | | | | |
|---|-----------------------------------|--------------------------------------|--|--------------------------------|----------------------|------------|------------|------------|------------|-------------|
| User Input | | | | | | | | | | |
| Miles/round trip: Grubbing/Land Clearing | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Grading/Excavation | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Drainage/Utilities/Sub-Grade | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Paving | | 30.00 | | 0 | 0.00 | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Grubbing/Land Clearing (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grading/Excavation (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Paving (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total tons per construction project | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Note: Worker commute default values can be overridden in cells D121 through D126.

| Worker Commute Emissions | | User Override of Worker Commute Default Values | | Default Values | | Calculated | | | | | |
|---|------------|--|------------|----------------|--------------|------------|------------|------------|------------|-------------|--|
| User Input | | | | Daily Trips | Daily VMT | | | | | | |
| Miles/ one-way trip | | | 20 | | | | | | | | |
| One-way trips/day | | | 2 | | | | | | | | |
| No. of employees: Grubbing/Land Clearing | | | 5 | 10 | 200.00 | | | | | | |
| No. of employees: Grading/Excavation | | | 20 | 40 | 800.00 | | | | | | |
| No. of employees: Drainage/Utilities/Sub-Grade | | | 14 | 28 | 560.00 | | | | | | |
| No. of employees: Paving | | | 10 | 20 | 400.00 | | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | |
| Grubbing/Land Clearing (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | |
| Grading/Excavation (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | |
| Paving (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | |
| Grubbing/Land Clearing (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | |
| Grading/Excavation (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | |
| Draining/Utilities/Sub-Grade (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | |
| Paving (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | |
| Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | |
| Pounds per day - Grubbing/Land Clearing | 0.03 | 0.46 | 0.04 | 0.02 | 0.01 | 0.00 | 141.57 | 0.00 | 0.00 | 142.71 | |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.31 | |
| Pounds per day - Grading/Excavation | 0.12 | 1.85 | 0.15 | 0.08 | 0.03 | 0.01 | 566.28 | 0.01 | 0.01 | 570.83 | |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 4.98 | 0.00 | 0.00 | 5.02 | |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.08 | 1.30 | 0.11 | 0.05 | 0.02 | 0.00 | 396.39 | 0.01 | 0.01 | 399.59 | |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 3.05 | 0.00 | 0.00 | 3.08 | |
| Pounds per day - Paving | 0.06 | 0.93 | 0.08 | 0.04 | 0.02 | 0.00 | 283.14 | 0.01 | 0.01 | 285.42 | |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.00 | 0.00 | 0.94 | |
| Total tons per construction project | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 9.28 | 0.00 | 0.00 | 9.36 | |

Note: Water Truck default values can be overridden in cells D153 through D156, I153 through I156, and F153 through F156.

| Water Truck Emissions | | User Override of Program Estimate of | | User Override of Truck | | Default Values | | Calculated | | User Override of | | Default Values | | Calculated | |
|---|------------|--------------------------------------|------------------------|-------------------------|-------------------------|----------------|------------------|------------------|------------|------------------|------------------|----------------|--|------------|--|
| User Input | | Default # Water Trucks | Number of Water Trucks | Round Trips/Vehicle/Day | Round Trips/Vehicle/Day | Trips/day | Miles/Round Trip | Miles/Round Trip | Daily VMT | | Miles/Round Trip | Daily VMT | | Daily VMT | |
| Grubbing/Land Clearing - Exhaust | | 0 | 0 | | 5 | 0 | 8.00 | | 0.00 | | 8.00 | 0.00 | | 0.00 | |
| Grading/Excavation - Exhaust | | 0 | 0 | | 5 | 0 | 8.00 | | 0.00 | | 8.00 | 0.00 | | 0.00 | |
| Drainage/Utilities/Subgrade | | 0 | 0 | | 5 | 0 | 8.00 | | 0.00 | | 8.00 | 0.00 | | 0.00 | |
| Paving | | 0 | 0 | | 5 | 0 | 8.00 | | 0.00 | | 8.00 | 0.00 | | 0.00 | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | | | | | |
| Grubbing/Land Clearing (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | |
| Grading/Excavation (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | |
| Paving (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Paving (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | | | | | |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Pounds per day - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Total tons per construction project | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |

Note: Fugitive dust default values can be overridden in cells D183 through D185.

| Fugitive Dust | | User Override of Max | | Default | | PM10 | | PM10 | | PM2.5 | | PM2.5 | |
|---|--|-----------------------|---------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | | Acreage Disturbed/Day | Maximum Acreage/Day | pounds/day | tons/period | pounds/day | tons/period | pounds/day | tons/period | pounds/day | tons/period | pounds/day | tons/period |
| Fugitive Dust - Grubbing/Land Clearing | | | 0.49 | 9.80 | 0.02 | 2.04 | 0.00 | | | | | | |
| Fugitive Dust - Grading/Excavation | | | 0.49 | 9.80 | 0.09 | 2.04 | 0.02 | | | | | | |
| Fugitive Dust - Drainage/Utilities/Subgrade | | | 0.49 | 9.80 | 0.08 | 2.04 | 0.02 | | | | | | |

| Off-Road Equipment Emissions | | | | | | | | | | | | | |
|--|------------------------|---|-------------------------------|----------------|--|------------|------------|------------|------------|------------|------------|------------|--|
| Grubbing/Land Clearing | | Default Number of Vehicles | Mitigation Option Override of | Default | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | |
| Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | |
| | | | | Tier 4 | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | | Tier 4 | Crawler Tractors | 0.24 | 4.18 | 0.48 | 0.02 | 0.02 | 0.01 | 758.27 | |
| | | | | Tier 4 | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 2 | | | Tier 4 | Excavators | 0.32 | 7.84 | 0.64 | 0.03 | 0.03 | 0.01 | 1,000.21 | |
| | | | | Tier 4 | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | | Tier 4 | Signal Boards | 0.03 | 0.52 | 0.46 | 0.03 | 0.02 | 0.00 | 49.31 | |
| | | | | Tier 4 | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Tractors/Loaders/Backhoes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| User-Defined Off-road Equipment | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | |
| Number of Vehicles | | | | | If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | | | | |
| 0.00 | | | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | | | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | | | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | | | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | | | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | | | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | | | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | Grubbing/Land Clearing | | | | pounds per day | 0.58 | 12.54 | 1.58 | 0.08 | 0.08 | 0.02 | 1,807.80 | |
| | Grubbing/Land Clearing | | | | tons per phase | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 3.98 | |

| Grading/Excavation | | Default | Mitigation Option | Default | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | |
|--|---|------------------|---|---------------------------------|----------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Number of Vehicles | | Override of | Default | | | | | | | | | | |
| Override of Default Number of Vehicles | | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | |
| | | | Tier 4 | Aerial Lifts | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Air Compressors | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Bore/Drill Rigs | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Cement and Mortar Mixers | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Concrete/Industrial Saws | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 0 | | Tier 4 | Cranes | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Tier 4 | Crawler Tractors | | 0.24 | 4.18 | 0.48 | 0.02 | 0.02 | 0.01 | 758.27 | |
| | | | Tier 4 | Crushing/Proc. Equipment | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 3 | | Tier 4 | Excavators | | 0.48 | 11.75 | 0.95 | 0.05 | 0.04 | 0.02 | 1,500.32 | |
| | | | Tier 4 | Forklifts | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Generator Sets | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 2 | | Tier 4 | Graders | | 0.41 | 7.03 | 0.81 | 0.04 | 0.04 | 0.01 | 1,281.71 | |
| | | | Tier 4 | Off-Highway Tractors | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Off-Highway Trucks | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Other Construction Equipment | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Other General Industrial Equipm | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Other Material Handling Equipm | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Pavers | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Paving Equipment | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Plate Compactors | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Pressure Washers | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Pumps | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 2 | | Tier 4 | Rollers | | 0.16 | 3.97 | 0.32 | 0.02 | 0.01 | 0.01 | 508.22 | |
| | | | Tier 4 | Rough Terrain Forklifts | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Rubber Tired Dozers | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Tier 4 | Rubber Tired Loaders | | 0.19 | 3.35 | 0.39 | 0.02 | 0.02 | 0.01 | 605.56 | |
| | 2 | | Tier 4 | Scrapers | | 0.93 | 16.16 | 1.86 | 0.09 | 0.09 | 0.03 | 2,940.26 | |
| | 1 | | Tier 4 | Signal Boards | | 0.03 | 0.52 | 0.46 | 0.03 | 0.02 | 0.00 | 49.31 | |
| | | | Tier 4 | Skid Steer Loaders | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Surfacing Equipment | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Sweepers/Scrubbers | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 4 | | Tier 4 | Tractors/Loaders/Backhoes | | 0.38 | 9.37 | 0.76 | 0.04 | 0.03 | 0.01 | 1,206.31 | |
| | | | Tier 4 | Trenchers | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Welders | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| User-Defined Off-road Equipment | | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| Number of Vehicles | | | | | Equipment Tier | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| 0.00 | | | | | N/A | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | | | N/A | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | | | N/A | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | | | N/A | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | | | N/A | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | | | N/A | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | | | N/A | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | | | N/A | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation | | | | | pounds per day | 2.81 | 56.33 | 6.04 | 0.30 | 0.28 | 0.09 | 8,849.96 | 2.85 |
| Grading/Excavation | | | | | tons per phase | 0.02 | 0.50 | 0.05 | 0.00 | 0.00 | 0.00 | 77.88 | 0.03 |

| Default | | Mitigation Option | | | | | | | | | | |
|--|------------------------------|---|----------------|---|-------------------|------------------|-------------------|--------------------|---------------------|-------------------|-------------------|-------------------|
| Drainage/Utilities/Subgrade | Number of Vehicles | Override of | Default | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | |
| Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | |
| | 1 | | Tier 4 | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Air Compressors | 0.10 | 2.44 | 0.20 | 0.01 | 0.01 | 0.00 | 375.26 | |
| | | | Tier 4 | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Tier 4 | Generator Sets | 0.16 | 4.06 | 0.33 | 0.02 | 0.02 | 0.01 | 623.04 | |
| | 1 | | Tier 4 | Graders | 0.20 | 3.52 | 0.41 | 0.02 | 0.02 | 0.01 | 640.86 | |
| | | | Tier 4 | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Tier 4 | Plate Compactors | 0.02 | 0.36 | 0.32 | 0.02 | 0.02 | 0.00 | 34.48 | |
| | | | Tier 4 | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Tier 4 | Pumps | 0.16 | 4.06 | 0.33 | 0.02 | 0.02 | 0.01 | 623.04 | |
| | | | Tier 4 | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Tier 4 | Rough Terrain Forklifts | 0.11 | 2.61 | 0.21 | 0.01 | 0.01 | 0.00 | 333.80 | |
| | | | Tier 4 | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Tier 4 | Scrapers | 0.47 | 8.08 | 0.93 | 0.05 | 0.04 | 0.02 | 1,470.13 | |
| | 1 | | Tier 4 | Signal Boards | 0.03 | 0.52 | 0.46 | 0.03 | 0.02 | 0.00 | 49.31 | |
| | | | Tier 4 | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 3 | | Tier 4 | Tractors/Loaders/Backhoes | 0.28 | 7.03 | 0.57 | 0.03 | 0.03 | 0.01 | 904.73 | |
| | | | Tier 4 | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| User-Defined Off-road Equipment | | | | <i>If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab</i> | | | | | | | | |
| | Number of Vehicles | | Equipment Tier | Type | ROG pounds/day | CO pounds/day | NOx pounds/day | PM10 pounds/day | PM2.5 pounds/day | SOx pounds/day | CO2 pounds/day | CH4 pounds/day |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Drainage/Utilities/Sub-Grade | | | pounds per day | 1.53 | 32.67 | 3.76 | 0.19 | 0.18 | 0.05 | 5,054.65 | 1.17 |
| | Drainage/Utilities/Sub-Grade | | | tons per phase | 0.01 | 0.25 | 0.03 | 0.00 | 0.00 | 0.00 | 38.92 | 0.01 |

| Paving | Default | | Mitigation Option | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
|--|--|------------------|---|---------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | Number of Vehicles | Override of | Default | Default | | | | | | | | |
| | Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | | | | | | | | |
| | | | Tier 4 | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Tier 4 | Pavers | 0.14 | 3.56 | 0.29 | 0.01 | 0.01 | 0.00 | 455.22 | 0.15 |
| | 1 | | Tier 4 | Paving Equipment | 0.13 | 3.10 | 0.25 | 0.01 | 0.01 | 0.00 | 394.47 | 0.13 |
| | | | Tier 4 | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 2 | | Tier 4 | Rollers | 0.16 | 3.97 | 0.32 | 0.02 | 0.01 | 0.01 | 508.22 | 0.16 |
| | | | Tier 4 | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Tier 4 | Signal Boards | 0.03 | 0.52 | 0.46 | 0.03 | 0.02 | 0.00 | 49.31 | 0.01 |
| | | | Tier 4 | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 3 | | Tier 4 | Tractors/Loaders/Backhoes | 0.28 | 7.03 | 0.57 | 0.03 | 0.03 | 0.01 | 904.73 | 0.29 |
| | | | Tier 4 | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User-Defined Off-road Equipment | | | | | | | | | | | | |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| Number of Vehicles | | Equipment Tier | Type | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Paving | | pounds per day | | 0.74 | 18.18 | 1.89 | 0.10 | 0.09 | 0.02 | 2,311.94 | 0.74 |
| | Paving | | tons per phase | | 0.00 | 0.06 | 0.01 | 0.00 | 0.00 | 0.00 | 7.63 | 0.00 |
| Total Emissions all Phases (tons per construction period) => | | | | | 0.04 | 0.83 | 0.09 | 0.00 | 0.00 | 0.00 | 128.41 | 0.04 |

| N2O pounds/day | CO2e pounds/day |
|-------------------|--------------------|
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 766.45 |
| 0.00 | 0.00 |
| 0.01 | 1,516.49 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,295.52 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 513.69 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 612.10 |
| 0.03 | 2,971.94 |
| 0.00 | 49.56 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,219.29 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| <hr/> | |
| N2O pounds/day | CO2e pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| <hr/> | |
| 0.08 | 8,945.05 |
| 0.00 | 78.72 |

| N2O | CO2e |
|------------|------------|
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 376.67 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 625.12 |
| 0.01 | 647.76 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 34.65 |
| 0.00 | 0.00 |
| 0.00 | 625.14 |
| 0.00 | 0.00 |
| 0.00 | 337.40 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,485.97 |
| 0.00 | 49.56 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 914.46 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| <hr/> | |
| N2O | CO2e |
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.04 | 5,096.74 |
| 0.00 | 39.24 |

| N2O | CO2e |
|------------|------------|
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 460.13 |
| 0.00 | 396.72 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 513.69 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 49.56 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 914.46 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| | |
| N2O | CO2e |
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.02 | 2,336.57 |
| 0.00 | 7.71 |
| | |
| 0.00 | 129.69 |

Equipment default values for horsepower and hours/day can be overridden in cells D403 through D436 and F403 through F436.

| Equipment | User Override of Horsepower | Default Values Horsepower | User Override of Hours/day | Default Values Hours/day |
|------------------------------------|--------------------------------|------------------------------|-------------------------------|-----------------------------|
| Aerial Lifts | | 63 | | 8 |
| Air Compressors | | 78 | | 8 |
| Bore/Drill Rigs | | 221 | | 8 |
| Cement and Mortar Mixers | | 9 | | 8 |
| Concrete/Industrial Saws | | 81 | | 8 |
| Cranes | | 231 | | 8 |
| Crawler Tractors | | 212 | | 8 |
| Crushing/Proc. Equipment | | 85 | | 8 |
| Excavators | | 158 | | 8 |
| Forklifts | | 89 | | 8 |
| Generator Sets | | 84 | | 8 |
| Graders | | 187 | | 8 |
| Off-Highway Tractors | | 124 | | 8 |
| Off-Highway Trucks | | 402 | | 8 |
| Other Construction Equipment | | 172 | | 8 |
| Other General Industrial Equipment | | 88 | | 8 |
| Other Material Handling Equipment | | 168 | | 8 |
| Pavers | | 130 | | 8 |
| Paving Equipment | | 132 | | 8 |
| Plate Compactors | | 8 | | 8 |
| Pressure Washers | | 13 | | 8 |
| Pumps | | 84 | | 8 |
| Rollers | | 80 | | 8 |
| Rough Terrain Forklifts | | 100 | | 8 |
| Rubber Tired Dozers | | 247 | | 8 |
| Rubber Tired Loaders | | 203 | | 8 |
| Scrapers | | 367 | | 8 |
| Signal Boards | | 6 | | 8 |
| Skid Steer Loaders | | 65 | | 8 |
| Surfacing Equipment | | 263 | | 8 |
| Sweepers/Scrubbers | | 64 | | 8 |
| Tractors/Loaders/Backhoes | | 97 | | 8 |
| Trenchers | | 78 | | 8 |
| Welders | | 46 | | 8 |

END OF DATA ENTRY SHEET

Road Construction Emissions Model, Version 9.0.1

| Daily Emission Estimates for -> SMPs - Trail Option 1 | | | | | | | | | | | | | | |
|---|---------------|--------------|---------------|----------------------|------------------------|------------------------------|-----------------------|-------------------------|-------------------------------|---------------|---------------|---------------|---------------|----------------|
| Project Phases (Pounds) | ROG (lbs/day) | CO (lbs/day) | NOx (lbs/day) | Total PM10 (lbs/day) | Exhaust PM10 (lbs/day) | Fugitive Dust PM10 (lbs/day) | Total PM2.5 (lbs/day) | Exhaust PM2.5 (lbs/day) | Fugitive Dust PM2.5 (lbs/day) | SOx (lbs/day) | CO2 (lbs/day) | CH4 (lbs/day) | N2O (lbs/day) | CO2e (lbs/day) |
| Grubbing/Land Clearing | 0.61 | 13.00 | 1.62 | 9.90 | 0.10 | 9.80 | 2.12 | 0.08 | 2.04 | 0.02 | 1,949.37 | 0.58 | 0.02 | 1,969.72 |
| Grading/Excavation | 2.93 | 58.18 | 6.19 | 10.19 | 0.39 | 9.80 | 2.35 | 0.31 | 2.04 | 0.10 | 9,416.23 | 2.86 | 0.09 | 9,515.88 |
| Drainage/Utilities/Sub-Grade | 1.61 | 33.97 | 3.87 | 10.05 | 0.25 | 9.80 | 2.24 | 0.20 | 2.04 | 0.06 | 5,451.04 | 1.18 | 0.05 | 5,496.33 |
| Paving | 0.80 | 19.10 | 1.97 | 0.14 | 0.14 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03 | 2,595.08 | 0.74 | 0.03 | 2,621.99 |
| Maximum (pounds/day) | 2.93 | 58.18 | 6.19 | 10.19 | 0.39 | 9.80 | 2.35 | 0.31 | 2.04 | 0.10 | 9,416.23 | 2.86 | 0.09 | 9,515.88 |
| Total (tons/construction project) | 0.04 | 0.87 | 0.09 | 0.19 | 0.01 | 0.18 | 0.04 | 0.00 | 0.04 | 0.00 | 137.69 | 0.04 | 0.00 | 139.05 |

Notes: Project Start Year -> 2023
 Project Length (months) -> 2
 Total Project Area (acres) -> 0
 Maximum Area Disturbed/Day (acres) -> 0
 Water Truck Used? -> No

| Phase | Total Material Imported/Exported Volume (yd ³ /day) | | Daily VMT (miles/day) | | | |
|------------------------------|--|---------|-----------------------|-----------------|----------------|-------------|
| | Soil | Asphalt | Soil Hauling | Asphalt Hauling | Worker Commute | Water Truck |
| Grubbing/Land Clearing | 0 | 0 | 0 | 0 | 200 | 0 |
| Grading/Excavation | 0 | 0 | 0 | 0 | 800 | 0 |
| Drainage/Utilities/Sub-Grade | 0 | 0 | 0 | 0 | 560 | 0 |
| Paving | 0 | 0 | 0 | 0 | 400 | 0 |

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.
 Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.
 CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

| Total Emission Estimates by Phase for -> SMPs - Trail Option 1 | | | | | | | | | | | | | | |
|---|------------------|-----------------|------------------|-------------------------|---------------------------|---------------------------------|--------------------------|----------------------------|----------------------------------|------------------|------------------|------------------|------------------|-----------------|
| Project Phases (Tons for all except CO2e. Metric tonnes for CO2e) | ROG (tons/phase) | CO (tons/phase) | NOx (tons/phase) | Total PM10 (tons/phase) | Exhaust PM10 (tons/phase) | Fugitive Dust PM10 (tons/phase) | Total PM2.5 (tons/phase) | Exhaust PM2.5 (tons/phase) | Fugitive Dust PM2.5 (tons/phase) | SOx (tons/phase) | CO2 (tons/phase) | CH4 (tons/phase) | N2O (tons/phase) | CO2e (MT/phase) |
| Grubbing/Land Clearing | 0.00 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 4.29 | 0.00 | 0.00 | 3.93 |
| Grading/Excavation | 0.03 | 0.51 | 0.05 | 0.09 | 0.00 | 0.09 | 0.02 | 0.00 | 0.02 | 0.00 | 82.86 | 0.03 | 0.00 | 75.97 |
| Drainage/Utilities/Sub-Grade | 0.01 | 0.26 | 0.03 | 0.08 | 0.00 | 0.08 | 0.02 | 0.00 | 0.02 | 0.00 | 41.97 | 0.01 | 0.00 | 38.39 |
| Paving | 0.00 | 0.06 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.56 | 0.00 | 0.00 | 7.85 |
| Maximum (tons/phase) | 0.03 | 0.51 | 0.05 | 0.09 | 0.00 | 0.09 | 0.02 | 0.00 | 0.02 | 0.00 | 82.86 | 0.03 | 0.00 | 75.97 |
| Total (tons/construction project) | 0.04 | 0.87 | 0.09 | 0.19 | 0.01 | 0.18 | 0.04 | 0.00 | 0.04 | 0.00 | 137.69 | 0.04 | 0.00 | 126.14 |

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.
 Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.
 CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.
 The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model
Data Entry Worksheet

Version 9.0.1

Note: Required data input sections have a yellow background.
 Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
 The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
 Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

Input Type

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

| | | |
|--|-------------------------------|--|
| Project Name | SMPs Project - Trail Option 2 | |
| Construction Start Year | 2023 | Enter a Year between 2014 and 2040 (inclusive) |
| Project Type | 2 | 1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction |
| Project Construction Time | 1.00 | month |
| Working Days per Month | 22.00 | days (assume 22 if unknown) |
| Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22) | 1 | 1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the lone formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta) |
| Project Length | 0.03 | miles |
| Total Project Area | 0.05 | acres |
| Maximum Area Disturbed/Day | 0.05 | acres |
| Water Trucks Used? | 2 | 1. Yes 2. No |

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County. NEW LINK 8-2-2022.

<https://maps.conservation.ca.gov/cgs/gmc/>

Material Hauling Quantity Input

| Material Type | Phase | Haul Truck Capacity (yd ³) (assume 20 if unknown) | Import Volume (yd ³ /day) | Export Volume (yd ³ /day) |
|---------------|------------------------------|---|--------------------------------------|--------------------------------------|
| Soil | Grubbing/Land Clearing | | | |
| | Grading/Excavation | 20.00 | | 1000.00 |
| | Drainage/Utilities/Sub-Grade | | | |
| | Paving | | | |
| Asphalt | Grubbing/Land Clearing | | | |
| | Grading/Excavation | | | |
| | Drainage/Utilities/Sub-Grade | | | |
| | Paving | | | |

Mitigation Options

| | |
|---|--|
| On-road Fleet Emissions Mitigation | |
| Off-road Equipment Emissions Mitigation | |

Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
 Select "20% NCx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAGMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (<http://www.airquality.org/Businesses/CEQA-Land-Use-Planning/Mitigation>).
 Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

The remaining sections of this sheet contain areas that can be modified by the user, although those modifications are optional.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

| Construction Periods | User Override of Construction Months | Program Calculated Months | User Override of Phase Starting Date | Program Default Phase Starting Date |
|------------------------------|--------------------------------------|---------------------------|--------------------------------------|-------------------------------------|
| Grubbing/Land Clearing | | 0.10 | | 1/1/2023 |
| Grading/Excavation | | 0.40 | | 1/5/2023 |
| Drainage/Utilities/Sub-Grade | | 0.35 | | 1/18/2023 |
| Paving | | 0.15 | | 1/29/2023 |
| Totals (Months) | 1 | | | |

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

| Soil Hauling Emissions | User Override of Miles/Round Trip | Program Estimate of Miles/Round Trip | User Override of Truck Round Trips/Day | Default Values Round Trips/Day | Calculated Daily VMT | | | | | |
|---|-----------------------------------|--------------------------------------|--|--------------------------------|----------------------|------------|------------|------------|------------|-------------|
| User Input | | | | | | | | | | |
| Miles/round trip: Grubbing/Land Clearing | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Grading/Excavation | | 30.00 | | 50 | 1500.00 | | | | | |
| Miles/round trip: Drainage/Utilities/Sub-Grade | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Paving | | 30.00 | | 0 | 0.00 | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Grubbing/Land Clearing (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grading/Excavation (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Paving (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.10 | 1.34 | 10.35 | 0.37 | 0.16 | 0.05 | 5,671.36 | 0.00 | 0.89 | 5,937.13 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.01 | 0.05 | 0.00 | 0.00 | 0.00 | 24.95 | 0.00 | 0.00 | 26.12 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total tons per construction project | 0.00 | 0.01 | 0.05 | 0.00 | 0.00 | 0.00 | 24.95 | 0.00 | 0.00 | 26.12 |

Note: Asphalt Hauling emission default values can be overridden in cells D91 through D94, and F91 through F94.

| Asphalt Hauling Emissions | User Override of Miles/Round Trip | Program Estimate of Miles/Round Trip | User Override of Truck Round Trips/Day | Default Values Round Trips/Day | Calculated Daily VMT | | | | | |
|---|-----------------------------------|--------------------------------------|--|--------------------------------|----------------------|------------|------------|------------|------------|-------------|
| User Input | | | | | | | | | | |
| Miles/round trip: Grubbing/Land Clearing | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Grading/Excavation | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Drainage/Utilities/Sub-Grade | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Paving | | 30.00 | | 0 | 0.00 | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Grubbing/Land Clearing (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grading/Excavation (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Paving (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total tons per construction project | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Note: Worker commute default values can be overridden in cells D121 through D126.

| Worker Commute Emissions | | User Override of Worker Commute Default Values | | Default Values | | Calculated | | | | | |
|---|------------|--|------------|----------------|--------------|------------|------------|------------|------------|-------------|--|
| User Input | | | | Daily Trips | Daily VMT | | | | | | |
| Miles/ one-way trip | | 20 | | | | | | | | | |
| One-way trips/day | | 2 | | | | | | | | | |
| No. of employees: Grubbing/Land Clearing | | 5 | | 10 | 200.00 | | | | | | |
| No. of employees: Grading/Excavation | | 20 | | 40 | 800.00 | | | | | | |
| No. of employees: Drainage/Utilities/Sub-Grade | | 14 | | 28 | 560.00 | | | | | | |
| No. of employees: Paving | | 10 | | 20 | 400.00 | | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | |
| Grubbing/Land Clearing (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | |
| Grading/Excavation (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | |
| Paving (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | |
| Grubbing/Land Clearing (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | |
| Grading/Excavation (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | |
| Draining/Utilities/Sub-Grade (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | |
| Paving (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | |
| Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | |
| Pounds per day - Grubbing/Land Clearing | 0.03 | 0.46 | 0.04 | 0.02 | 0.01 | 0.00 | 141.57 | 0.00 | 0.00 | 142.71 | |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.16 | |
| Pounds per day - Grading/Excavation | 0.12 | 1.85 | 0.15 | 0.08 | 0.03 | 0.01 | 566.28 | 0.01 | 0.01 | 570.83 | |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 0.00 | 0.00 | 2.51 | |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.08 | 1.30 | 0.11 | 0.05 | 0.02 | 0.00 | 396.39 | 0.01 | 0.01 | 399.58 | |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.53 | 0.00 | 0.00 | 1.54 | |
| Pounds per day - Paving | 0.06 | 0.93 | 0.08 | 0.04 | 0.02 | 0.00 | 283.14 | 0.01 | 0.01 | 285.42 | |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.47 | |
| Total tons per construction project | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 4.64 | 0.00 | 0.00 | 4.68 | |

Note: Water Truck default values can be overridden in cells D153 through D156, I153 through I156, and F153 through F156.

| Water Truck Emissions | | User Override of Program Estimate of | | User Override of Truck | | Default Values | | Calculated | | User Override of | | Default Values | | Calculated | |
|---|------------|--------------------------------------|------------------------|-------------------------|-------------------------|----------------|------------------|------------------|------------|------------------|------------------|----------------|--|------------|--|
| User Input | | Default # Water Trucks | Number of Water Trucks | Round Trips/Vehicle/Day | Round Trips/Vehicle/Day | Trips/day | Miles/Round Trip | Miles/Round Trip | Daily VMT | | Miles/Round Trip | Daily VMT | | | |
| Grubbing/Land Clearing - Exhaust | | 0 | | | 5 | 0 | | 8.00 | 0.00 | | | | | | |
| Grading/Excavation - Exhaust | | 0 | | | 5 | 0 | | 8.00 | 0.00 | | | | | | |
| Drainage/Utilities/Subgrade | | 0 | | | 5 | 0 | | 8.00 | 0.00 | | | | | | |
| Paving | | 0 | | | 5 | 0 | | 8.00 | 0.00 | | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | | | | | |
| Grubbing/Land Clearing (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | |
| Grading/Excavation (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | |
| Paving (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Paving (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | | | | | |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Pounds per day - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Total tons per construction project | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |

Note: Fugitive dust default values can be overridden in cells D183 through D185.

| Fugitive Dust | | User Override of Max | | Default | | PM10 | | PM10 | | PM2.5 | | PM2.5 | |
|---|--|-----------------------|---------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | | Acreage Disturbed/Day | Maximum Acreage/Day | pounds/day | tons/period | pounds/day | tons/period | pounds/day | tons/period | pounds/day | tons/period | pounds/day | tons/period |
| Fugitive Dust - Grubbing/Land Clearing | | 10.00 | 0.05 | 200.00 | 0.22 | 41.60 | 0.05 | | | | | | |
| Fugitive Dust - Grading/Excavation | | 10.00 | 0.05 | 200.00 | 0.88 | 41.60 | 0.18 | | | | | | |
| Fugitive Dust - Drainage/Utilities/Subgrade | | 10.00 | 0.05 | 200.00 | 0.77 | 41.60 | 0.16 | | | | | | |

| Off-Road Equipment Emissions | | | | | | | | | | | | | |
|--|------------------------|--|---|--------------------|---------------------------------|------------|------------|------------|------------|------------|------------|------------|--|
| Grubbing/Land Clearing | | Default Number of Vehicles | Mitigation Option Override of Default | Default | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | |
| Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | |
| | | | | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | | Model Default Tier | Crawler Tractors | 0.44 | 2.24 | 5.12 | 0.20 | 0.18 | 0.01 | 758.27 | |
| | | | | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 2 | | | Model Default Tier | Excavators | 0.38 | 6.52 | 3.10 | 0.15 | 0.14 | 0.01 | 1,000.21 | |
| | | | | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | | Model Default Tier | Signal Boards | 0.06 | 0.30 | 0.36 | 0.01 | 0.01 | 0.00 | 49.31 | |
| | | | | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Tractors/Loaders/Backhoes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| User-Defined Off-road Equipment | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | |
| Number of Vehicles | | Equipment Tier | Type | | | | | | | | | | |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | Grubbing/Land Clearing | | pounds per day | | 0.88 | 9.06 | 8.58 | 0.36 | 0.34 | 0.02 | 1,807.80 | 0.57 | |
| | Grubbing/Land Clearing | | tons per phase | | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 1.99 | 0.00 | |

| Grading/Excavation | Default | | Mitigation Option | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
|--|--|------------------|---|---------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | Number of Vehicles | Override of | Default | Default | | | | | | | | |
| | Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | | | | | | | | |
| | | | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0 | | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 1 | Model Default Tier | Crawler Tractors | 0.44 | 2.24 | 5.12 | 0.20 | 0.18 | 0.01 | 758.27 | 0.25 |
| | | | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 3 | Model Default Tier | Excavators | 0.57 | 9.77 | 4.65 | 0.23 | 0.21 | 0.02 | 1,500.32 | 0.49 |
| | | | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 2 | | Model Default Tier | Graders | 0.77 | 3.39 | 9.31 | 0.30 | 0.28 | 0.01 | 1,281.71 | 0.41 |
| | | | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | Model Default Tier | Rollers | 0.31 | 3.70 | 3.22 | 0.18 | 0.16 | 0.01 | 508.22 | 0.16 |
| | | | Model Default Tier | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 1 | Model Default Tier | Rubber Tired Loaders | 0.27 | 1.51 | 2.65 | 0.09 | 0.08 | 0.01 | 605.56 | 0.20 |
| | | 2 | Model Default Tier | Scrapers | 1.57 | 12.27 | 16.57 | 0.65 | 0.60 | 0.03 | 2,940.26 | 0.95 |
| | | 1 | Model Default Tier | Signal Boards | 0.06 | 0.30 | 0.36 | 0.01 | 0.01 | 0.00 | 49.31 | 0.01 |
| | | | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 4 | Model Default Tier | Tractors/Loaders/Backhoes | 0.61 | 8.93 | 6.14 | 0.30 | 0.28 | 0.01 | 1,206.31 | 0.39 |
| | | | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User-Defined Off-road Equipment | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| Number of Vehicles | | | Equipment Tier | Type | | | | | | | | |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Grading/Excavation | | | pounds per day | 4.59 | 42.12 | 48.02 | 1.96 | 1.81 | 0.09 | 8,849.96 | 2.85 |
| | Grading/Excavation | | | tons per phase | 0.02 | 0.19 | 0.21 | 0.01 | 0.01 | 0.00 | 38.94 | 0.01 |

| Default | | Mitigation Option | | | | | | | | | | |
|--|--------------------|---|--------------------|---|------------|------------|------------|------------|------------|------------|------------|------|
| Drainage/Utilities/Subgrade | Number of Vehicles | Override of | Default | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | |
| Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | |
| | 1 | | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Air Compressors | 0.26 | 2.41 | 1.74 | 0.09 | 0.09 | 0.00 | 375.26 | |
| | | | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Model Default Tier | Generator Sets | 0.31 | 3.67 | 2.72 | 0.13 | 0.13 | 0.01 | 623.04 | |
| | 1 | | Model Default Tier | Graders | 0.38 | 1.69 | 4.65 | 0.15 | 0.14 | 0.01 | 640.86 | |
| | | | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Model Default Tier | Plate Compactors | 0.04 | 0.21 | 0.25 | 0.01 | 0.01 | 0.00 | 34.48 | |
| | | | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Model Default Tier | Pumps | 0.33 | 3.73 | 2.75 | 0.13 | 0.13 | 0.01 | 623.04 | |
| | | | Model Default Tier | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Model Default Tier | Rough Terrain Forklifts | 0.11 | 2.29 | 1.40 | 0.04 | 0.04 | 0.00 | 333.80 | |
| | | | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Model Default Tier | Scrapers | 0.79 | 6.14 | 8.28 | 0.32 | 0.30 | 0.02 | 1,470.13 | |
| | 1 | | Model Default Tier | Signal Boards | 0.06 | 0.30 | 0.36 | 0.01 | 0.01 | 0.00 | 49.31 | |
| | | | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 3 | | Model Default Tier | Tractors/Loaders/Backhoes | 0.45 | 6.69 | 4.61 | 0.23 | 0.21 | 0.01 | 904.73 | |
| | | | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| User-Defined Off-road Equipment | | | | <i>If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab</i> | | | | | | | | |
| | Number of Vehicles | | Equipment Tier | Type | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Drainage/Utilities/Sub-Grade | | pounds per day | 2.72 | 27.13 | 26.76 | 1.13 | 1.07 | 0.05 | 5,054.65 | 1.17 |
| | | Drainage/Utilities/Sub-Grade | | tons per phase | 0.01 | 0.10 | 0.10 | 0.00 | 0.00 | 0.00 | 19.46 | 0.00 |

| Paving | Default | | Mitigation Option | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
|--|--|------------------|---|---------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | Number of Vehicles | Override of | Default | Default | | | | | | | | |
| | Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | | | | | | | | |
| | | | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Model Default Tier | Pavers | 0.19 | 2.88 | 1.88 | 0.09 | 0.08 | 0.00 | 455.22 | 0.15 |
| | 1 | | Model Default Tier | Paving Equipment | 0.17 | 2.56 | 1.60 | 0.08 | 0.07 | 0.01 | 394.47 | 0.13 |
| | | | Model Default Tier | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 2 | | Model Default Tier | Rollers | 0.31 | 3.70 | 3.22 | 0.18 | 0.16 | 0.01 | 508.22 | 0.16 |
| | | | Model Default Tier | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Model Default Tier | Signal Boards | 0.06 | 0.30 | 0.36 | 0.01 | 0.01 | 0.00 | 49.31 | 0.01 |
| | | | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 3 | | Model Default Tier | Tractors/Loaders/Backhoes | 0.45 | 6.69 | 4.61 | 0.23 | 0.21 | 0.01 | 904.73 | 0.29 |
| | | | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User-Defined Off-road Equipment | | | | | | | | | | | | |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| Number of Vehicles | | | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Paving | | | pounds per day | 1.18 | 16.14 | 11.67 | 0.59 | 0.54 | 0.02 | 2,311.94 | 0.74 |
| | Paving | | | tons per phase | 0.00 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 3.81 | 0.00 |
| Total Emissions all Phases (tons per construction period) => | | | | | 0.03 | 0.33 | 0.34 | 0.01 | 0.01 | 0.00 | 64.20 | 0.02 |

| N2O | CO2e |
|------------|------------|
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 766.45 |
| 0.00 | 0.00 |
| 0.01 | 1,516.49 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,295.52 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 513.69 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 612.10 |
| 0.03 | 2,971.94 |
| 0.00 | 49.56 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,219.29 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.08 | 8,945.05 |
| 0.00 | 39.36 |

| N2O | CO2e |
|------------|------------|
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 376.67 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 625.12 |
| 0.01 | 647.76 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 34.65 |
| 0.00 | 0.00 |
| 0.00 | 625.14 |
| 0.00 | 0.00 |
| 0.00 | 337.40 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,485.97 |
| 0.00 | 49.56 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 914.46 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| N2O | CO2e |
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.04 | 5,096.74 |
| 0.00 | 19.62 |

| N2O | CO2e |
|------------|------------|
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 460.13 |
| 0.00 | 396.72 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 513.69 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 49.56 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 914.46 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.02 | 2,336.57 |
| 0.00 | 3.86 |
| 0.00 | 64.85 |

Equipment default values for horsepower and hours/day can be overridden in cells D403 through D436 and F403 through F436.

| Equipment | User Override of Horsepower | Default Values Horsepower | User Override of Hours/day | Default Values Hours/day |
|------------------------------------|--------------------------------|------------------------------|-------------------------------|-----------------------------|
| Aerial Lifts | | 63 | | 8 |
| Air Compressors | | 78 | | 8 |
| Bore/Drill Rigs | | 221 | | 8 |
| Cement and Mortar Mixers | | 9 | | 8 |
| Concrete/Industrial Saws | | 81 | | 8 |
| Cranes | | 231 | | 8 |
| Crawler Tractors | | 212 | | 8 |
| Crushing/Proc. Equipment | | 85 | | 8 |
| Excavators | | 158 | | 8 |
| Forklifts | | 89 | | 8 |
| Generator Sets | | 84 | | 8 |
| Graders | | 187 | | 8 |
| Off-Highway Tractors | | 124 | | 8 |
| Off-Highway Trucks | | 402 | | 8 |
| Other Construction Equipment | | 172 | | 8 |
| Other General Industrial Equipment | | 88 | | 8 |
| Other Material Handling Equipment | | 168 | | 8 |
| Pavers | | 130 | | 8 |
| Paving Equipment | | 132 | | 8 |
| Plate Compactors | | 8 | | 8 |
| Pressure Washers | | 13 | | 8 |
| Pumps | | 84 | | 8 |
| Rollers | | 80 | | 8 |
| Rough Terrain Forklifts | | 100 | | 8 |
| Rubber Tired Dozers | | 247 | | 8 |
| Rubber Tired Loaders | | 203 | | 8 |
| Scrapers | | 367 | | 8 |
| Signal Boards | | 6 | | 8 |
| Skid Steer Loaders | | 65 | | 8 |
| Surfacing Equipment | | 263 | | 8 |
| Sweepers/Scrubbers | | 64 | | 8 |
| Tractors/Loaders/Backhoes | | 97 | | 8 |
| Trenchers | | 78 | | 8 |
| Welders | | 46 | | 8 |

END OF DATA ENTRY SHEET

Road Construction Emissions Model, Version 9.0.1

| Daily Emission Estimates for -> SMPs Project - Trail Option 2 | | | | | | | | | | | | | | |
|---|---------------|--------------|---------------|----------------------|------------------------|------------------------------|-----------------------|-------------------------|-------------------------------|---------------|---------------|---------------|---------------|----------------|
| Project Phases (Pounds) | ROG (lbs/day) | CO (lbs/day) | NOx (lbs/day) | Total PM10 (lbs/day) | Exhaust PM10 (lbs/day) | Fugitive Dust PM10 (lbs/day) | Total PM2.5 (lbs/day) | Exhaust PM2.5 (lbs/day) | Fugitive Dust PM2.5 (lbs/day) | SOx (lbs/day) | CO2 (lbs/day) | CH4 (lbs/day) | N2O (lbs/day) | CO2e (lbs/day) |
| Grubbing/Land Clearing | 0.91 | 9.52 | 8.62 | 200.38 | 0.38 | 200.00 | 41.94 | 0.34 | 41.60 | 0.02 | 1,949.37 | 0.58 | 0.02 | 1,969.72 |
| Grading/Excavation | 4.81 | 45.31 | 58.53 | 202.41 | 2.41 | 200.00 | 43.60 | 2.00 | 41.60 | 0.15 | 15,087.60 | 2.87 | 0.99 | 15,453.01 |
| Drainage/Utilities/Sub-Grade | 2.80 | 28.43 | 26.87 | 201.19 | 1.19 | 200.00 | 42.69 | 1.09 | 41.60 | 0.06 | 5,451.04 | 1.18 | 0.05 | 5,496.33 |
| Paving | 1.24 | 17.07 | 11.75 | 0.63 | 0.63 | 0.00 | 0.56 | 0.56 | 0.00 | 0.03 | 2,595.08 | 0.74 | 0.03 | 2,621.99 |
| Maximum (pounds/day) | 4.81 | 45.31 | 58.53 | 202.41 | 2.41 | 200.00 | 43.60 | 2.00 | 41.60 | 0.15 | 15,087.60 | 2.87 | 0.99 | 15,453.01 |
| Total (tons/construction project) | 0.03 | 0.35 | 0.39 | 1.89 | 0.02 | 1.87 | 0.40 | 0.01 | 0.39 | 0.00 | 93.80 | 0.02 | 0.00 | 95.65 |


Notes:
 Project Start Year -> 2023
 Project Length (months) -> 1
 Total Project Area (acres) -> 0
 Maximum Area Disturbed/Day (acres) -> 0
 Water Truck Used? -> No

| Phase | Total Material Imported/Exported Volume (yd ³ /day) | | Daily VMT (miles/day) | | | |
|------------------------------|--|---------|-----------------------|-----------------|----------------|-------------|
| | Soil | Asphalt | Soil Hauling | Asphalt Hauling | Worker Commute | Water Truck |
| Grubbing/Land Clearing | 0 | 0 | 0 | 0 | 200 | 0 |
| Grading/Excavation | 1,000 | 0 | 1,500 | 0 | 800 | 0 |
| Drainage/Utilities/Sub-Grade | 0 | 0 | 0 | 0 | 560 | 0 |
| Paving | 0 | 0 | 0 | 0 | 400 | 0 |

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.
 Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.
 CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

| Total Emission Estimates by Phase for -> SMPs Project - Trail Option 2 | | | | | | | | | | | | | | |
|--|------------------|-----------------|------------------|-------------------------|---------------------------|---------------------------------|--------------------------|----------------------------|----------------------------------|------------------|------------------|------------------|------------------|-----------------|
| Project Phases (Tons for all except CO2e. Metric tonnes for CO2e) | ROG (tons/phase) | CO (tons/phase) | NOx (tons/phase) | Total PM10 (tons/phase) | Exhaust PM10 (tons/phase) | Fugitive Dust PM10 (tons/phase) | Total PM2.5 (tons/phase) | Exhaust PM2.5 (tons/phase) | Fugitive Dust PM2.5 (tons/phase) | SOx (tons/phase) | CO2 (tons/phase) | CH4 (tons/phase) | N2O (tons/phase) | CO2e (MT/phase) |
| Grubbing/Land Clearing | 0.00 | 0.01 | 0.01 | 0.22 | 0.00 | 0.22 | 0.05 | 0.00 | 0.05 | 0.00 | 2.14 | 0.00 | 0.00 | 1.97 |
| Grading/Excavation | 0.02 | 0.20 | 0.26 | 0.89 | 0.01 | 0.88 | 0.19 | 0.01 | 0.18 | 0.00 | 66.39 | 0.01 | 0.00 | 61.68 |
| Drainage/Utilities/Sub-Grade | 0.01 | 0.11 | 0.10 | 0.77 | 0.00 | 0.77 | 0.16 | 0.00 | 0.16 | 0.00 | 20.99 | 0.00 | 0.00 | 19.20 |
| Paving | 0.00 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.28 | 0.00 | 0.00 | 3.92 |
| Maximum (tons/phase) | 0.02 | 0.20 | 0.26 | 0.89 | 0.01 | 0.88 | 0.19 | 0.01 | 0.18 | 0.00 | 66.39 | 0.01 | 0.00 | 61.68 |
| Total (tons/construction project) | 0.03 | 0.35 | 0.39 | 1.89 | 0.02 | 1.87 | 0.40 | 0.01 | 0.39 | 0.00 | 93.80 | 0.02 | 0.00 | 86.77 |

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.
 Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.
 CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.
 The CO2e emissions are reported as metric tons per phase.

| Road Construction Emissions Model Data Entry Worksheet | | Version 9.0.1 | | |
|---|-------------------------------|--|--------------------------------------|--------------------------------------|
| <p>Note: Required data input sections have a yellow background. Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background. The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types. Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.</p> | | <p>To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.</p> | | |
|  | | | | |
| Input Type | | | | |
| Project Name | SMPs Project - Trail Option 2 | | | |
| Construction Start Year | 2023 | Enter a Year between 2014 and 2040 (inclusive) | | |
| Project Type | 2 | 1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction | | |
| Project Construction Time | 1.00 | month | | |
| Working Days per Month | 22.00 | days (assume 22 if unknown) | | |
| Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22) | 1 | 1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the lone formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta) | | |
| Project Length | 0.03 | miles | | |
| Total Project Area | 0.05 | acres | | |
| Maximum Area Disturbed/Day | 0.05 | acres | | |
| Water Trucks Used? | 2 | 1. Yes 2. No | | |
| Material Hauling Quantity Input | | | | |
| Material Type | Phase | Haul Truck Capacity (yd ³) (assume 20 if unknown) | Import Volume (yd ³ /day) | Export Volume (yd ³ /day) |
| Soil | Grubbing/Land Clearing | | | |
| | Grading/Excavation | 20.00 | | 1000.00 |
| | Drainage/Utilities/Sub-Grade | | | |
| | Paving | | | |
| Asphalt | Grubbing/Land Clearing | | | |
| | Grading/Excavation | | | |
| | Drainage/Utilities/Sub-Grade | | | |
| | Paving | | | |
| Mitigation Options | | | | |
| On-road Fleet Emissions Mitigation | | Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer Select "20% NCx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAGMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/Businesses/CEQA-Land-Use-Planning/Mitigation). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard | | |
| Off-road Equipment Emissions Mitigation | Tier 4 Equipment | | | |
| Will all off-road equipment be tier 4? | All Tier 4 Equipment | | | |
| The remaining sections of this sheet contain areas that can be modified by the user, although those modifications are optional. | | | | |

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County. NEW LINK 8-2-2022.

<https://maps.conservation.ca.gov/cgs/gmc/>

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

| Construction Periods | User Override of Construction Months | Program Calculated Months | User Override of Phase Starting Date | Program Default Phase Starting Date |
|------------------------------|--------------------------------------|---------------------------|--------------------------------------|-------------------------------------|
| Grubbing/Land Clearing | | 0.10 | | 1/1/2023 |
| Grading/Excavation | | 0.40 | | 1/5/2023 |
| Drainage/Utilities/Sub-Grade | | 0.35 | | 1/18/2023 |
| Paving | | 0.15 | | 1/29/2023 |
| Totals (Months) | 1 | | | |

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

| Soil Hauling Emissions | User Override of Miles/Round Trip | Program Estimate of Miles/Round Trip | User Override of Truck Round Trips/Day | Default Values Round Trips/Day | Calculated Daily VMT | | | | | |
|---|-----------------------------------|--------------------------------------|--|--------------------------------|----------------------|------------|------------|------------|------------|-------------|
| User Input | | | | | | | | | | |
| Miles/round trip: Grubbing/Land Clearing | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Grading/Excavation | | 30.00 | | 50 | 1500.00 | | | | | |
| Miles/round trip: Drainage/Utilities/Sub-Grade | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Paving | | 30.00 | | 0 | 0.00 | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Grubbing/Land Clearing (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grading/Excavation (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Paving (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.10 | 1.34 | 10.35 | 0.37 | 0.16 | 0.05 | 5,671.36 | 0.00 | 0.89 | 5,937.13 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.01 | 0.05 | 0.00 | 0.00 | 0.00 | 24.95 | 0.00 | 0.00 | 26.12 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total tons per construction project | 0.00 | 0.01 | 0.05 | 0.00 | 0.00 | 0.00 | 24.95 | 0.00 | 0.00 | 26.12 |

Note: Asphalt Hauling emission default values can be overridden in cells D91 through D94, and F91 through F94.

| Asphalt Hauling Emissions | User Override of Miles/Round Trip | Program Estimate of Miles/Round Trip | User Override of Truck Round Trips/Day | Default Values Round Trips/Day | Calculated Daily VMT | | | | | |
|---|-----------------------------------|--------------------------------------|--|--------------------------------|----------------------|------------|------------|------------|------------|-------------|
| User Input | | | | | | | | | | |
| Miles/round trip: Grubbing/Land Clearing | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Grading/Excavation | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Drainage/Utilities/Sub-Grade | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Paving | | 30.00 | | 0 | 0.00 | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Grubbing/Land Clearing (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grading/Excavation (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Paving (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total tons per construction project | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Note: Worker commute default values can be overridden in cells D121 through D126.

| Worker Commute Emissions | | User Override of Worker Commute Default Values | | Default Values | | Calculated | | | | | |
|---|------------|--|------------|----------------|--------------|------------|------------|------------|------------|-------------|--|
| User Input | | | | Daily Trips | Daily VMT | | | | | | |
| Miles/ one-way trip | | 20 | | | | | | | | | |
| One-way trips/day | | 2 | | | | | | | | | |
| No. of employees: Grubbing/Land Clearing | | 5 | | 10 | 200.00 | | | | | | |
| No. of employees: Grading/Excavation | | 20 | | 40 | 800.00 | | | | | | |
| No. of employees: Drainage/Utilities/Sub-Grade | | 14 | | 28 | 560.00 | | | | | | |
| No. of employees: Paving | | 10 | | 20 | 400.00 | | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | |
| Grubbing/Land Clearing (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | |
| Grading/Excavation (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | |
| Paving (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | |
| Grubbing/Land Clearing (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | |
| Grading/Excavation (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | |
| Draining/Utilities/Sub-Grade (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | |
| Paving (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | |
| Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | |
| Pounds per day - Grubbing/Land Clearing | 0.03 | 0.46 | 0.04 | 0.02 | 0.01 | 0.00 | 141.57 | 0.00 | 0.00 | 142.71 | |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.16 | |
| Pounds per day - Grading/Excavation | 0.12 | 1.85 | 0.15 | 0.08 | 0.03 | 0.01 | 566.28 | 0.01 | 0.01 | 570.83 | |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 0.00 | 0.00 | 2.51 | |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.08 | 1.30 | 0.11 | 0.05 | 0.02 | 0.00 | 396.39 | 0.01 | 0.01 | 399.58 | |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.53 | 0.00 | 0.00 | 1.54 | |
| Pounds per day - Paving | 0.06 | 0.93 | 0.08 | 0.04 | 0.02 | 0.00 | 283.14 | 0.01 | 0.01 | 285.42 | |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.47 | |
| Total tons per construction project | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 4.64 | 0.00 | 0.00 | 4.68 | |

Note: Water Truck default values can be overridden in cells D153 through D156, I153 through I156, and F153 through F156.

| Water Truck Emissions | | User Override of Program Estimate of | | User Override of Truck | | Default Values | | Calculated | | User Override of | | Default Values | | Calculated | |
|---|------------|--------------------------------------|------------------------|-------------------------|-------------------------|----------------|------------------|------------------|------------|------------------|------------------|----------------|--|------------|--|
| User Input | | Default # Water Trucks | Number of Water Trucks | Round Trips/Vehicle/Day | Round Trips/Vehicle/Day | Trips/day | Miles/Round Trip | Miles/Round Trip | Daily VMT | | Miles/Round Trip | Daily VMT | | Daily VMT | |
| Grubbing/Land Clearing - Exhaust | | 0 | | | 5 | 0 | | 8.00 | 0.00 | | | | | | |
| Grading/Excavation - Exhaust | | 0 | | | 5 | 0 | | 8.00 | 0.00 | | | | | | |
| Drainage/Utilities/Subgrade | | 0 | | | 5 | 0 | | 8.00 | 0.00 | | | | | | |
| Paving | | 0 | | | 5 | 0 | | 8.00 | 0.00 | | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | | | | | |
| Grubbing/Land Clearing (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | |
| Grading/Excavation (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | |
| Paving (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Paving (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | | | | | |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Pounds per day - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Total tons per construction project | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |

Note: Fugitive dust default values can be overridden in cells D183 through D185.

| Fugitive Dust | | User Override of Max | | Default | | PM10 | | PM2.5 | |
|---|-----------------------|----------------------|---------------------|------------|-------------|------------|-------------|------------|-------------|
| | Acreage Disturbed/Day | Maximum Acreage/Day | Maximum Acreage/Day | pounds/day | tons/period | pounds/day | tons/period | pounds/day | tons/period |
| Fugitive Dust - Grubbing/Land Clearing | 10.00 | 0.05 | | 200.00 | 0.22 | 41.60 | 0.05 | | |
| Fugitive Dust - Grading/Excavation | 10.00 | 0.05 | | 200.00 | 0.88 | 41.60 | 0.18 | | |
| Fugitive Dust - Drainage/Utilities/Subgrade | 10.00 | 0.05 | | 200.00 | 0.77 | 41.60 | 0.16 | | |

| Off-Road Equipment Emissions | | | | | | | | | | | | | |
|--|------------------------|---|-------------------------------|----------------|--|------------|------------|------------|------------|------------|------------|------------|--|
| Grubbing/Land Clearing | | Default Number of Vehicles | Mitigation Option Override of | Default | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | |
| Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | |
| | | | | Tier 4 | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | | Tier 4 | Crawler Tractors | 0.24 | 4.18 | 0.48 | 0.02 | 0.02 | 0.01 | 758.27 | |
| | | | | Tier 4 | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 2 | | | Tier 4 | Excavators | 0.32 | 7.84 | 0.64 | 0.03 | 0.03 | 0.01 | 1,000.21 | |
| | | | | Tier 4 | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | | Tier 4 | Signal Boards | 0.03 | 0.52 | 0.46 | 0.03 | 0.02 | 0.00 | 49.31 | |
| | | | | Tier 4 | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Tractors/Loaders/Backhoes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| User-Defined Off-road Equipment | | | | | If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | | | | |
| Number of Vehicles | | Equipment Tier | Type | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | | |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | Grubbing/Land Clearing | | pounds per day | 0.58 | 12.54 | 1.58 | 0.08 | 0.08 | 0.02 | 1,807.80 | 0.57 | | |
| | Grubbing/Land Clearing | | tons per phase | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 0.00 | | |

| Grading/Excavation | | Default | Mitigation Option | Default | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | |
|--|--------------------|------------------|---|---------------------------------|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Number of Vehicles | | Override of | Default | | | | | | | | | | |
| Override of Default Number of Vehicles | | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | |
| | | | Tier 4 | Aerial Lifts | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Air Compressors | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Bore/Drill Rigs | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Cement and Mortar Mixers | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Concrete/Industrial Saws | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 0 | | Tier 4 | Cranes | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Tier 4 | Crawler Tractors | | 0.24 | 4.18 | 0.48 | 0.02 | 0.02 | 0.01 | 758.27 | |
| | | | Tier 4 | Crushing/Proc. Equipment | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 3 | | Tier 4 | Excavators | | 0.48 | 11.75 | 0.95 | 0.05 | 0.04 | 0.02 | 1,500.32 | |
| | | | Tier 4 | Forklifts | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Generator Sets | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 2 | | Tier 4 | Graders | | 0.41 | 7.03 | 0.81 | 0.04 | 0.04 | 0.01 | 1,281.71 | |
| | | | Tier 4 | Off-Highway Tractors | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Off-Highway Trucks | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Other Construction Equipment | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Other General Industrial Equipm | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Other Material Handling Equipm | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Pavers | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Paving Equipment | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Plate Compactors | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Pressure Washers | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Pumps | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 2 | | Tier 4 | Rollers | | 0.16 | 3.97 | 0.32 | 0.02 | 0.01 | 0.01 | 508.22 | |
| | | | Tier 4 | Rough Terrain Forklifts | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Rubber Tired Dozers | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Tier 4 | Rubber Tired Loaders | | 0.19 | 3.35 | 0.39 | 0.02 | 0.02 | 0.01 | 605.56 | |
| | 2 | | Tier 4 | Scrapers | | 0.93 | 16.16 | 1.86 | 0.09 | 0.09 | 0.03 | 2,940.26 | |
| | 1 | | Tier 4 | Signal Boards | | 0.03 | 0.52 | 0.46 | 0.03 | 0.02 | 0.00 | 49.31 | |
| | | | Tier 4 | Skid Steer Loaders | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Surfacing Equipment | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Sweepers/Scrubbers | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 4 | | Tier 4 | Tractors/Loaders/Backhoes | | 0.38 | 9.37 | 0.76 | 0.04 | 0.03 | 0.01 | 1,206.31 | |
| | | | Tier 4 | Trenchers | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Welders | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| User-Defined Off-road Equipment | | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| Number of Vehicles | | Equipment Tier | Type | | | | | | | | | | |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | Grading/Excavation | | pounds per day | | 2.81 | 56.33 | 6.04 | 0.30 | 0.28 | 0.09 | 8,849.96 | 2.85 | |
| | Grading/Excavation | | tons per phase | | 0.01 | 0.25 | 0.03 | 0.00 | 0.00 | 0.00 | 38.94 | 0.01 | |

| Default | | Mitigation Option | | | | | | | | | | |
|--|------------------------------|---|----------------|---|-------------------|------------------|-------------------|--------------------|---------------------|-------------------|-------------------|-------------------|
| Drainage/Utilities/Subgrade | Number of Vehicles | Override of | Default | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | |
| Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | |
| | 1 | | Tier 4 | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Air Compressors | 0.10 | 2.44 | 0.20 | 0.01 | 0.01 | 0.00 | 375.26 | |
| | | | Tier 4 | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Tier 4 | Generator Sets | 0.16 | 4.06 | 0.33 | 0.02 | 0.02 | 0.01 | 623.04 | |
| | 1 | | Tier 4 | Graders | 0.20 | 3.52 | 0.41 | 0.02 | 0.02 | 0.01 | 640.86 | |
| | | | Tier 4 | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Tier 4 | Plate Compactors | 0.02 | 0.36 | 0.32 | 0.02 | 0.02 | 0.00 | 34.48 | |
| | | | Tier 4 | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Tier 4 | Pumps | 0.16 | 4.06 | 0.33 | 0.02 | 0.02 | 0.01 | 623.04 | |
| | | | Tier 4 | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Tier 4 | Rough Terrain Forklifts | 0.11 | 2.61 | 0.21 | 0.01 | 0.01 | 0.00 | 333.80 | |
| | | | Tier 4 | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Tier 4 | Scrapers | 0.47 | 8.08 | 0.93 | 0.05 | 0.04 | 0.02 | 1,470.13 | |
| | 1 | | Tier 4 | Signal Boards | 0.03 | 0.52 | 0.46 | 0.03 | 0.02 | 0.00 | 49.31 | |
| | | | Tier 4 | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 3 | | Tier 4 | Tractors/Loaders/Backhoes | 0.28 | 7.03 | 0.57 | 0.03 | 0.03 | 0.01 | 904.73 | |
| | | | Tier 4 | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Tier 4 | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| User-Defined Off-road Equipment | | | | <i>If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab</i> | | | | | | | | |
| | Number of Vehicles | | Equipment Tier | Type | ROG pounds/day | CO pounds/day | NOx pounds/day | PM10 pounds/day | PM2.5 pounds/day | SOx pounds/day | CO2 pounds/day | CH4 pounds/day |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Drainage/Utilities/Sub-Grade | | | pounds per day | 1.53 | 32.67 | 3.76 | 0.19 | 0.18 | 0.05 | 5,054.65 | 1.17 |
| | Drainage/Utilities/Sub-Grade | | | tons per phase | 0.01 | 0.13 | 0.01 | 0.00 | 0.00 | 0.00 | 19.46 | 0.00 |

| Paving | Default | | Mitigation Option | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
|--|--|------------------|---|---------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | Number of Vehicles | Override of | Default | Default | | | | | | | | |
| | Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | | | | | | | | |
| | | | Tier 4 | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Tier 4 | Pavers | 0.14 | 3.56 | 0.29 | 0.01 | 0.01 | 0.00 | 455.22 | 0.15 |
| | 1 | | Tier 4 | Paving Equipment | 0.13 | 3.10 | 0.25 | 0.01 | 0.01 | 0.00 | 394.47 | 0.13 |
| | | | Tier 4 | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 2 | | Tier 4 | Rollers | 0.16 | 3.97 | 0.32 | 0.02 | 0.01 | 0.01 | 508.22 | 0.16 |
| | | | Tier 4 | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Tier 4 | Signal Boards | 0.03 | 0.52 | 0.46 | 0.03 | 0.02 | 0.00 | 49.31 | 0.01 |
| | | | Tier 4 | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 3 | | Tier 4 | Tractors/Loaders/Backhoes | 0.28 | 7.03 | 0.57 | 0.03 | 0.03 | 0.01 | 904.73 | 0.29 |
| | | | Tier 4 | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User-Defined Off-road Equipment | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| Number of Vehicles | | Equipment Tier | Type | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Paving | | pounds per day | | 0.74 | 18.18 | 1.89 | 0.10 | 0.09 | 0.02 | 2,311.94 | 0.74 |
| | Paving | | tons per phase | | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 3.81 | 0.00 |
| Total Emissions all Phases (tons per construction period) => | | | | | 0.02 | 0.42 | 0.05 | 0.00 | 0.00 | 0.00 | 64.20 | 0.02 |

| N2O | CO2e |
|------------|------------|
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 766.45 |
| 0.00 | 0.00 |
| 0.01 | 1,516.49 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,295.52 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 513.69 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 612.10 |
| 0.03 | 2,971.94 |
| 0.00 | 49.56 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,219.29 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| <hr/> | |
| N2O | CO2e |
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| <hr/> | |
| 0.08 | 8,945.05 |
| 0.00 | 39.36 |

| N2O pounds/day | CO2e pounds/day |
|-------------------|--------------------|
| 0.00 | 0.00 |
| 0.00 | 376.67 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 625.12 |
| 0.01 | 647.76 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 34.65 |
| 0.00 | 0.00 |
| 0.00 | 625.14 |
| 0.00 | 0.00 |
| 0.00 | 337.40 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,485.97 |
| 0.00 | 49.56 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 914.46 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.04 | 5,096.74 |
| 0.00 | 19.62 |

| N2O | CO2e |
|------------|------------|
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 460.13 |
| 0.00 | 396.72 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 513.69 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 49.56 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 914.46 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| <hr/> | |
| N2O | CO2e |
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.02 | 2,336.57 |
| 0.00 | 3.86 |
| <hr/> | |
| 0.00 | 64.85 |

Equipment default values for horsepower and hours/day can be overridden in cells D403 through D436 and F403 through F436.

| Equipment | User Override of Horsepower | Default Values Horsepower | User Override of Hours/day | Default Values Hours/day |
|------------------------------------|--------------------------------|------------------------------|-------------------------------|-----------------------------|
| Aerial Lifts | | 63 | | 8 |
| Air Compressors | | 78 | | 8 |
| Bore/Drill Rigs | | 221 | | 8 |
| Cement and Mortar Mixers | | 9 | | 8 |
| Concrete/Industrial Saws | | 81 | | 8 |
| Cranes | | 231 | | 8 |
| Crawler Tractors | | 212 | | 8 |
| Crushing/Proc. Equipment | | 85 | | 8 |
| Excavators | | 158 | | 8 |
| Forklifts | | 89 | | 8 |
| Generator Sets | | 84 | | 8 |
| Graders | | 187 | | 8 |
| Off-Highway Tractors | | 124 | | 8 |
| Off-Highway Trucks | | 402 | | 8 |
| Other Construction Equipment | | 172 | | 8 |
| Other General Industrial Equipment | | 88 | | 8 |
| Other Material Handling Equipment | | 168 | | 8 |
| Pavers | | 130 | | 8 |
| Paving Equipment | | 132 | | 8 |
| Plate Compactors | | 8 | | 8 |
| Pressure Washers | | 13 | | 8 |
| Pumps | | 84 | | 8 |
| Rollers | | 80 | | 8 |
| Rough Terrain Forklifts | | 100 | | 8 |
| Rubber Tired Dozers | | 247 | | 8 |
| Rubber Tired Loaders | | 203 | | 8 |
| Scrapers | | 367 | | 8 |
| Signal Boards | | 6 | | 8 |
| Skid Steer Loaders | | 65 | | 8 |
| Surfacing Equipment | | 263 | | 8 |
| Sweepers/Scrubbers | | 64 | | 8 |
| Tractors/Loaders/Backhoes | | 97 | | 8 |
| Trenchers | | 78 | | 8 |
| Welders | | 46 | | 8 |

END OF DATA ENTRY SHEET

Road Construction Emissions Model, Version 9.0.1

| Daily Emission Estimates for -> SMPs Project - Trail Option 2 | | | | | | | | | | | | | | |
|---|---------------|--------------|---------------|----------------------|------------------------|------------------------------|-----------------------|-------------------------|-------------------------------|---------------|---------------|---------------|---------------|----------------|
| Project Phases (Pounds) | ROG (lbs/day) | CO (lbs/day) | NOx (lbs/day) | Total PM10 (lbs/day) | Exhaust PM10 (lbs/day) | Fugitive Dust PM10 (lbs/day) | Total PM2.5 (lbs/day) | Exhaust PM2.5 (lbs/day) | Fugitive Dust PM2.5 (lbs/day) | SOx (lbs/day) | CO2 (lbs/day) | CH4 (lbs/day) | N2O (lbs/day) | CO2e (lbs/day) |
| Grubbing/Land Clearing | 0.61 | 13.00 | 1.62 | 200.10 | 0.10 | 200.00 | 41.68 | 0.08 | 41.60 | 0.02 | 1,949.37 | 0.58 | 0.02 | 1,969.72 |
| Grading/Excavation | 3.03 | 59.52 | 16.55 | 200.75 | 0.75 | 200.00 | 42.07 | 0.47 | 41.60 | 0.15 | 15,087.60 | 2.87 | 0.99 | 15,453.01 |
| Drainage/Utilities/Sub-Grade | 1.61 | 33.97 | 3.87 | 200.25 | 0.25 | 200.00 | 41.80 | 0.20 | 41.60 | 0.06 | 5,451.04 | 1.18 | 0.05 | 5,496.33 |
| Paving | 0.80 | 19.10 | 1.97 | 0.14 | 0.14 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03 | 2,595.08 | 0.74 | 0.03 | 2,621.99 |
| Maximum (pounds/day) | 3.03 | 59.52 | 16.55 | 200.75 | 0.75 | 200.00 | 42.07 | 0.47 | 41.60 | 0.15 | 15,087.60 | 2.87 | 0.99 | 15,453.01 |
| Total (tons/construction project) | 0.02 | 0.44 | 0.09 | 1.87 | 0.00 | 1.87 | 0.39 | 0.00 | 0.39 | 0.00 | 93.80 | 0.02 | 0.00 | 95.65 |

Notes: Project Start Year -> 2023
 Project Length (months) -> 1
 Total Project Area (acres) -> 0
 Maximum Area Disturbed/Day (acres) -> 0
 Water Truck Used? -> No

| Phase | Total Material Imported/Exported Volume (yd ³ /day) | | Daily VMT (miles/day) | | | |
|------------------------------|--|---------|-----------------------|-----------------|----------------|-------------|
| | Soil | Asphalt | Soil Hauling | Asphalt Hauling | Worker Commute | Water Truck |
| Grubbing/Land Clearing | 0 | 0 | 0 | 0 | 200 | 0 |
| Grading/Excavation | 1,000 | 0 | 1,500 | 0 | 800 | 0 |
| Drainage/Utilities/Sub-Grade | 0 | 0 | 0 | 0 | 560 | 0 |
| Paving | 0 | 0 | 0 | 0 | 400 | 0 |

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.
 Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.
 CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

| Total Emission Estimates by Phase for -> SMPs Project - Trail Option 2 | | | | | | | | | | | | | | |
|--|------------------|-----------------|------------------|-------------------------|---------------------------|---------------------------------|--------------------------|----------------------------|----------------------------------|------------------|------------------|------------------|------------------|-----------------|
| Project Phases (Tons for all except CO2e. Metric tonnes for CO2e) | ROG (tons/phase) | CO (tons/phase) | NOx (tons/phase) | Total PM10 (tons/phase) | Exhaust PM10 (tons/phase) | Fugitive Dust PM10 (tons/phase) | Total PM2.5 (tons/phase) | Exhaust PM2.5 (tons/phase) | Fugitive Dust PM2.5 (tons/phase) | SOx (tons/phase) | CO2 (tons/phase) | CH4 (tons/phase) | N2O (tons/phase) | CO2e (MT/phase) |
| Grubbing/Land Clearing | 0.00 | 0.01 | 0.00 | 0.22 | 0.00 | 0.22 | 0.05 | 0.00 | 0.05 | 0.00 | 2.14 | 0.00 | 0.00 | 1.97 |
| Grading/Excavation | 0.01 | 0.26 | 0.07 | 0.88 | 0.00 | 0.88 | 0.19 | 0.00 | 0.18 | 0.00 | 66.39 | 0.01 | 0.00 | 61.68 |
| Drainage/Utilities/Sub-Grade | 0.01 | 0.13 | 0.01 | 0.77 | 0.00 | 0.77 | 0.16 | 0.00 | 0.16 | 0.00 | 20.99 | 0.00 | 0.00 | 19.20 |
| Paving | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.28 | 0.00 | 0.00 | 3.92 |
| Maximum (tons/phase) | 0.01 | 0.26 | 0.07 | 0.88 | 0.00 | 0.88 | 0.19 | 0.00 | 0.18 | 0.00 | 66.39 | 0.01 | 0.00 | 61.68 |
| Total (tons/construction project) | 0.02 | 0.44 | 0.09 | 1.87 | 0.00 | 1.87 | 0.39 | 0.00 | 0.39 | 0.00 | 93.80 | 0.02 | 0.00 | 86.77 |

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.
 Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.
 CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.
 The CO2e emissions are reported as metric tons per phase.

**Road Construction Emissions Model
Data Entry Worksheet**

Version 9.0.1

Note: Required data input sections have a yellow background.
 Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
 The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
 Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

Input Type

Project Name

Construction Start Year

Project Type

Project Construction Time
Working Days per Month

Predominant Soil/Site Type: Enter 1, 2, or 3
(for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)

Project Length

Total Project Area

Maximum Area Disturbed/Day

Water Trucks Used?

| |
|--|
| SMPs - Trail Connection Option 3 - Trail Portion |
| 2023 |
| 2 |
| 1.00 |
| 22.00 |
| 1 |
| 0.22 |
| 0.27 |
| 0.27 |
| 2 |

Enter a Year between 2014 and 2040 (inclusive)

- 1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway
- 2) Road Widening : Project to add a new lane to an existing roadway
- 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane
- 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction

month days (assume 22 if unknown)

- 1) Sand Gravel : Use for quaternary deposits (Delta/West County)
- 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the lone formation (Scott Road, Rancho Murieta)
- 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)

miles
acres
acres

1. Yes
2. No

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County. NEW LINK 8-2-2022.

<https://maps.conservation.ca.gov/cgs/gmc/>

Material Hauling Quantity Input

Mitigation Options

On-road Fleet Emissions Mitigation

Off-road Equipment Emissions Mitigation

Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer

Select "20% NCx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAGMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (<http://www.airquality.org/Businesses/CEQA-Land-Use-Planning/Mitigation>).

Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

The remaining sections of this sheet contain areas that can be modified by the user, although those modifications are optional.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

| Construction Periods | User Override of Construction Months | Program Calculated Months | User Override of Phase Starting Date | Program Default Phase Starting Date |
|------------------------------|--------------------------------------|---------------------------|--------------------------------------|-------------------------------------|
| Grubbing/Land Clearing | | 0.10 | | 1/1/2023 |
| Grading/Excavation | | 0.40 | | 1/5/2023 |
| Drainage/Utilities/Sub-Grade | | 0.35 | | 1/18/2023 |
| Paving | | 0.15 | | 1/29/2023 |
| Totals (Months) | 1 | | | |

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

| Soil Hauling Emissions | | User Override of Miles/Round Trip | Program Estimate of Miles/Round Trip | User Override of Truck Round Trips/Day | Default Values Round Trips/Day | Calculated Daily VMT | | | | | |
|---|--|-----------------------------------|--------------------------------------|--|--------------------------------|----------------------|------------|------------|------------|------------|-------------|
| User Input | | | | | | | | | | | |
| Miles/round trip: Grubbing/Land Clearing | | 30.00 | | | 0 | 0.00 | | | | | |
| Miles/round trip: Grading/Excavation | | 30.00 | | | 1 | 30.00 | | | | | |
| Miles/round trip: Drainage/Utilities/Sub-Grade | | 30.00 | | | 0 | 0.00 | | | | | |
| Miles/round trip: Paving | | 30.00 | | | 0 | 0.00 | | | | | |
| Emission Rates | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Grubbing/Land Clearing (grams/mile) | | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grading/Excavation (grams/mile) | | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Draining/Utilities/Sub-Grade (grams/mile) | | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Paving (grams/mile) | | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grubbing/Land Clearing (grams/trip) | | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Draining/Utilities/Sub-Grade (grams/trip) | | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling Emissions | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Pounds per day - Grubbing/Land Clearing | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | | 0.00 | 0.03 | 0.21 | 0.01 | 0.00 | 0.00 | 113.43 | 0.00 | 0.02 | 118.74 |
| Tons per const. Period - Grading/Excavation | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.52 |
| Pounds per day - Drainage/Utilities/Sub-Grade | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Paving | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Paving | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total tons per construction project | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.52 |

Note: Asphalt Hauling emission default values can be overridden in cells D91 through D94, and F91 through F94.

| Asphalt Hauling Emissions | | User Override of Miles/Round Trip | Program Estimate of Miles/Round Trip | User Override of Truck Round Trips/Day | Default Values Round Trips/Day | Calculated Daily VMT | | | | | |
|---|--|-----------------------------------|--------------------------------------|--|--------------------------------|----------------------|------------|------------|------------|------------|-------------|
| User Input | | | | | | | | | | | |
| Miles/round trip: Grubbing/Land Clearing | | 30.00 | | | 0 | 0.00 | | | | | |
| Miles/round trip: Grading/Excavation | | 30.00 | | | 0 | 0.00 | | | | | |
| Miles/round trip: Drainage/Utilities/Sub-Grade | | 30.00 | | | 0 | 0.00 | | | | | |
| Miles/round trip: Paving | | 30.00 | | | 0 | 0.00 | | | | | |
| Emission Rates | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Grubbing/Land Clearing (grams/mile) | | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grading/Excavation (grams/mile) | | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Draining/Utilities/Sub-Grade (grams/mile) | | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Paving (grams/mile) | | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grubbing/Land Clearing (grams/trip) | | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Draining/Utilities/Sub-Grade (grams/trip) | | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Emissions | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Pounds per day - Grubbing/Land Clearing | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grading/Excavation | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Drainage/Utilities/Sub-Grade | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Paving | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Paving | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total tons per construction project | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Note: Worker commute default values can be overridden in cells D121 through D126.

| Worker Commute Emissions | | User Override of Worker Commute Default Values | | Default Values | | Calculated | | | | | |
|---|------------|--|------------|----------------|--------------|------------|------------|------------|------------|-------------|--|
| User Input | | | | Daily Trips | Daily VMT | | | | | | |
| Miles/ one-way trip | | 20 | | | | | | | | | |
| One-way trips/day | | 2 | | | | | | | | | |
| No. of employees: Grubbing/Land Clearing | | 5 | | 10 | 200.00 | | | | | | |
| No. of employees: Grading/Excavation | | 20 | | 40 | 800.00 | | | | | | |
| No. of employees: Drainage/Utilities/Sub-Grade | | 14 | | 28 | 560.00 | | | | | | |
| No. of employees: Paving | | 10 | | 20 | 400.00 | | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | |
| Grubbing/Land Clearing (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | |
| Grading/Excavation (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | |
| Paving (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | |
| Grubbing/Land Clearing (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | |
| Grading/Excavation (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | |
| Draining/Utilities/Sub-Grade (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | |
| Paving (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | |
| Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | |
| Pounds per day - Grubbing/Land Clearing | 0.03 | 0.46 | 0.04 | 0.02 | 0.01 | 0.00 | 141.57 | 0.00 | 0.00 | 142.71 | |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.16 | |
| Pounds per day - Grading/Excavation | 0.12 | 1.85 | 0.15 | 0.08 | 0.03 | 0.01 | 566.28 | 0.01 | 0.01 | 570.83 | |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 0.00 | 0.00 | 2.51 | |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.08 | 1.30 | 0.11 | 0.05 | 0.02 | 0.00 | 396.39 | 0.01 | 0.01 | 399.58 | |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.53 | 0.00 | 0.00 | 1.54 | |
| Pounds per day - Paving | 0.06 | 0.93 | 0.08 | 0.04 | 0.02 | 0.00 | 283.14 | 0.01 | 0.01 | 285.42 | |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.47 | |
| Total tons per construction project | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 4.64 | 0.00 | 0.00 | 4.68 | |

Note: Water Truck default values can be overridden in cells D153 through D156, I153 through I156, and F153 through F156.

| Water Truck Emissions | | User Override of Program Estimate of | | User Override of Truck | | Default Values | | Calculated | | User Override of | | Default Values | | Calculated | |
|---|------------|--------------------------------------|------------------------|-------------------------|-------------------------|----------------|------------------|------------------|------------|------------------|------------------|----------------|--|------------|--|
| User Input | | Default # Water Trucks | Number of Water Trucks | Round Trips/Vehicle/Day | Round Trips/Vehicle/Day | Trips/day | Miles/Round Trip | Miles/Round Trip | Daily VMT | | Miles/Round Trip | Daily VMT | | Daily VMT | |
| Grubbing/Land Clearing - Exhaust | | 0 | | | 5 | 0 | | 8.00 | 0.00 | | | | | | |
| Grading/Excavation - Exhaust | | 0 | | | 5 | 0 | | 8.00 | 0.00 | | | | | | |
| Drainage/Utilities/Subgrade | | 0 | | | 5 | 0 | | 8.00 | 0.00 | | | | | | |
| Paving | | 0 | | | 5 | 0 | | 8.00 | 0.00 | | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | | | | | |
| Grubbing/Land Clearing (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | |
| Grading/Excavation (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | |
| Paving (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Paving (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | | | | | |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Pounds per day - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Total tons per construction project | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |

Note: Fugitive dust default values can be overridden in cells D183 through D185.

| Fugitive Dust | | User Override of Max Acreage Disturbed/Day | | Default Maximum Acreage/Day | | PM10 | | PM2.5 | |
|---|-------|--|--|-----------------------------|-------------|------------|-------------|-------|--|
| | | | | pounds/day | tons/period | pounds/day | tons/period | | |
| Fugitive Dust - Grubbing/Land Clearing | 10.00 | 0.27 | | 200.00 | 0.22 | 41.60 | 0.05 | | |
| Fugitive Dust - Grading/Excavation | 10.00 | 0.27 | | 200.00 | 0.88 | 41.60 | 0.18 | | |
| Fugitive Dust - Drainage/Utilities/Subgrade | 10.00 | 0.27 | | 200.00 | 0.77 | 41.60 | 0.16 | | |

| Off-Road Equipment Emissions | | | | | | | | | | | | |
|--|------------------------|--|---|--------------------|---------------------------------|------------|------------|------------|------------|------------|------------|------------|
| Grubbing/Land Clearing | | Default Number of Vehicles | Mitigation Option Override of Default | Default | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| | | | | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | | Model Default Tier | Crawler Tractors | 0.44 | 2.24 | 5.12 | 0.20 | 0.18 | 0.01 | 758.27 |
| | | | | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 2 | | | Model Default Tier | Excavators | 0.38 | 6.52 | 3.10 | 0.15 | 0.14 | 0.01 | 1,000.21 |
| | | | | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | | Model Default Tier | Signal Boards | 0.06 | 0.30 | 0.36 | 0.01 | 0.01 | 0.00 | 49.31 |
| | | | | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Tractors/Loaders/Backhoes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User-Defined Off-road Equipment | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| Number of Vehicles | | Equipment Tier | Type | | | | | | | | | |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Grubbing/Land Clearing | | pounds per day | | 0.88 | 9.06 | 8.58 | 0.36 | 0.34 | 0.02 | 1,807.80 | 0.57 |
| | Grubbing/Land Clearing | | tons per phase | | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 1.99 | 0.00 |

| Grading/Excavation | Default | | Mitigation Option | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
|--|--|------------------|---|---------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | Number of Vehicles | Override of | Default | Default | | | | | | | | |
| | Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | | | | | | | | |
| | | | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0 | | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 1 | Model Default Tier | Crawler Tractors | 0.44 | 2.24 | 5.12 | 0.20 | 0.18 | 0.01 | 758.27 | 0.25 |
| | | | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 3 | Model Default Tier | Excavators | 0.57 | 9.77 | 4.65 | 0.23 | 0.21 | 0.02 | 1,500.32 | 0.49 |
| | | | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 2 | | Model Default Tier | Graders | 0.77 | 3.39 | 9.31 | 0.30 | 0.28 | 0.01 | 1,281.71 | 0.41 |
| | | | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | Model Default Tier | Rollers | 0.31 | 3.70 | 3.22 | 0.18 | 0.16 | 0.01 | 508.22 | 0.16 |
| | | | Model Default Tier | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 1 | Model Default Tier | Rubber Tired Loaders | 0.27 | 1.51 | 2.65 | 0.09 | 0.08 | 0.01 | 605.56 | 0.20 |
| | | 2 | Model Default Tier | Scrapers | 1.57 | 12.27 | 16.57 | 0.65 | 0.60 | 0.03 | 2,940.26 | 0.95 |
| | | 1 | Model Default Tier | Signal Boards | 0.06 | 0.30 | 0.36 | 0.01 | 0.01 | 0.00 | 49.31 | 0.01 |
| | | | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 4 | Model Default Tier | Tractors/Loaders/Backhoes | 0.61 | 8.93 | 6.14 | 0.30 | 0.28 | 0.01 | 1,206.31 | 0.39 |
| | | | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User-Defined Off-road Equipment | | | | | | | | | | | | |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| Number of Vehicles | | | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Grading/Excavation | | | pounds per day | 4.59 | 42.12 | 48.02 | 1.96 | 1.81 | 0.09 | 8,849.96 | 2.85 |
| | Grading/Excavation | | | tons per phase | 0.02 | 0.19 | 0.21 | 0.01 | 0.01 | 0.00 | 38.94 | 0.01 |

| Default | | Mitigation Option | | | | | | | | | | |
|--|--------------------|---|--------------------|---|------------|------------|------------|------------|------------|------------|------------|------|
| Drainage/Utilities/Subgrade | Number of Vehicles | Override of | Default | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | |
| Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | |
| | 1 | | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Air Compressors | 0.26 | 2.41 | 1.74 | 0.09 | 0.09 | 0.00 | 375.26 | |
| | | | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Model Default Tier | Generator Sets | 0.31 | 3.67 | 2.72 | 0.13 | 0.13 | 0.01 | 623.04 | |
| | 1 | | Model Default Tier | Graders | 0.38 | 1.69 | 4.65 | 0.15 | 0.14 | 0.01 | 640.86 | |
| | | | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Model Default Tier | Plate Compactors | 0.04 | 0.21 | 0.25 | 0.01 | 0.01 | 0.00 | 34.48 | |
| | | | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Model Default Tier | Pumps | 0.33 | 3.73 | 2.75 | 0.13 | 0.13 | 0.01 | 623.04 | |
| | | | Model Default Tier | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Model Default Tier | Rough Terrain Forklifts | 0.11 | 2.29 | 1.40 | 0.04 | 0.04 | 0.00 | 333.80 | |
| | | | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Model Default Tier | Scrapers | 0.79 | 6.14 | 8.28 | 0.32 | 0.30 | 0.02 | 1,470.13 | |
| | 1 | | Model Default Tier | Signal Boards | 0.06 | 0.30 | 0.36 | 0.01 | 0.01 | 0.00 | 49.31 | |
| | | | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 3 | | Model Default Tier | Tractors/Loaders/Backhoes | 0.45 | 6.69 | 4.61 | 0.23 | 0.21 | 0.01 | 904.73 | |
| | | | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| User-Defined Off-road Equipment | | | | If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | | | | |
| | Number of Vehicles | | Equipment Tier | Type | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Drainage/Utilities/Sub-Grade | | pounds per day | 2.72 | 27.13 | 26.76 | 1.13 | 1.07 | 0.05 | 5,054.65 | 1.17 |
| | | Drainage/Utilities/Sub-Grade | | tons per phase | 0.01 | 0.10 | 0.10 | 0.00 | 0.00 | 0.00 | 19.46 | 0.00 |

| Paving | Default | | Mitigation Option | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | |
|--|--------------------|---|--------------------|---------------------------------|------|------------|------------|------------|------------|------------|------------|------------|------------|
| | Number of Vehicles | Override of | Default | Default | | | | | | | | | |
| Override of Default Number of Vehicles | | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | |
| Program-estimate | | | | | | | | | | | | | |
| | | | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Model Default Tier | Pavers | 0.19 | 2.88 | 1.88 | 0.09 | 0.08 | 0.00 | 455.22 | 0.15 | |
| | 1 | | Model Default Tier | Paving Equipment | 0.17 | 2.56 | 1.60 | 0.08 | 0.07 | 0.01 | 394.47 | 0.13 | |
| | | | Model Default Tier | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 2 | | Model Default Tier | Rollers | 0.31 | 3.70 | 3.22 | 0.18 | 0.16 | 0.01 | 508.22 | 0.16 | |
| | | | Model Default Tier | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Model Default Tier | Signal Boards | 0.06 | 0.30 | 0.36 | 0.01 | 0.01 | 0.00 | 49.31 | 0.01 | |
| | | | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 3 | | Model Default Tier | Tractors/Loaders/Backhoes | 0.45 | 6.69 | 4.61 | 0.23 | 0.21 | 0.01 | 904.73 | 0.29 | |
| | | | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| User-Defined Off-road Equipment | | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| Number of Vehicles | | Equipment Tier | | Type | | | | | | | | | |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving | | | | pounds per day | 1.18 | 16.14 | 11.67 | 0.59 | 0.54 | 0.02 | 2,311.94 | 0.74 | |
| Paving | | | | tons per phase | 0.00 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 3.81 | 0.00 | |
| Total Emissions all Phases (tons per construction period) => | | | | | | 0.03 | 0.33 | 0.34 | 0.01 | 0.01 | 0.00 | 64.20 | 0.02 |

| N2O | CO2e |
|------------|------------|
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 766.45 |
| 0.00 | 0.00 |
| 0.01 | 1,516.49 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,295.52 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 513.69 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 612.10 |
| 0.03 | 2,971.94 |
| 0.00 | 49.56 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,219.29 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| <hr/> | |
| N2O | CO2e |
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.08 | 8,945.05 |
| 0.00 | 39.36 |

| N2O | CO2e |
|------------|------------|
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 376.67 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 625.12 |
| 0.01 | 647.76 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 34.65 |
| 0.00 | 0.00 |
| 0.00 | 625.14 |
| 0.00 | 0.00 |
| 0.00 | 337.40 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,485.97 |
| 0.00 | 49.56 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 914.46 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.04 | 5,096.74 |
| 0.00 | 19.62 |

| N2O | CO2e |
|------------|------------|
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 460.13 |
| 0.00 | 396.72 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 513.69 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 49.56 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 914.46 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| <hr/> | |
| N2O | CO2e |
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| <hr/> | |
| 0.02 | 2,336.57 |
| 0.00 | 3.86 |
| <hr/> | |
| 0.00 | 64.85 |

Equipment default values for horsepower and hours/day can be overridden in cells D403 through D436 and F403 through F436.

| Equipment | User Override of Horsepower | Default Values Horsepower | User Override of Hours/day | Default Values Hours/day |
|------------------------------------|--------------------------------|------------------------------|-------------------------------|-----------------------------|
| Aerial Lifts | | 63 | | 8 |
| Air Compressors | | 78 | | 8 |
| Bore/Drill Rigs | | 221 | | 8 |
| Cement and Mortar Mixers | | 9 | | 8 |
| Concrete/Industrial Saws | | 81 | | 8 |
| Cranes | | 231 | | 8 |
| Crawler Tractors | | 212 | | 8 |
| Crushing/Proc. Equipment | | 85 | | 8 |
| Excavators | | 158 | | 8 |
| Forklifts | | 89 | | 8 |
| Generator Sets | | 84 | | 8 |
| Graders | | 187 | | 8 |
| Off-Highway Tractors | | 124 | | 8 |
| Off-Highway Trucks | | 402 | | 8 |
| Other Construction Equipment | | 172 | | 8 |
| Other General Industrial Equipment | | 88 | | 8 |
| Other Material Handling Equipment | | 168 | | 8 |
| Pavers | | 130 | | 8 |
| Paving Equipment | | 132 | | 8 |
| Plate Compactors | | 8 | | 8 |
| Pressure Washers | | 13 | | 8 |
| Pumps | | 84 | | 8 |
| Rollers | | 80 | | 8 |
| Rough Terrain Forklifts | | 100 | | 8 |
| Rubber Tired Dozers | | 247 | | 8 |
| Rubber Tired Loaders | | 203 | | 8 |
| Scrapers | | 367 | | 8 |
| Signal Boards | | 6 | | 8 |
| Skid Steer Loaders | | 65 | | 8 |
| Surfacing Equipment | | 263 | | 8 |
| Sweepers/Scrubbers | | 64 | | 8 |
| Tractors/Loaders/Backhoes | | 97 | | 8 |
| Trenchers | | 78 | | 8 |
| Welders | | 46 | | 8 |

END OF DATA ENTRY SHEET

Road Construction Emissions Model, Version 9.0.1

| Daily Emission Estimates for -> SMPs - Trail Connection Option 3 - Trail Portion | | | | | | | | | | | | | Total | Exhaust | Fugitive Dust | Total | Exhaust | Fugitive Dust | SOx (lbs/day) | CO2 (lbs/day) | CH4 (lbs/day) | N2O (lbs/day) | CO2e (lbs/day) |
|--|---------------|--------------|---------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------|----------|---------------|-------|---------|---------------|---------------|---------------|---------------|---------------|----------------|
| Project Phases (Pounds) | ROG (lbs/day) | CO (lbs/day) | NOx (lbs/day) | PM10 (lbs/day) | PM10 (lbs/day) | PM10 (lbs/day) | PM2.5 (lbs/day) | PM2.5 (lbs/day) | PM2.5 (lbs/day) | PM2.5 (lbs/day) | PM2.5 (lbs/day) | PM2.5 (lbs/day) | | | | | | | | | | | |
| Grubbing/Land Clearing | 0.91 | 9.52 | 8.62 | 200.38 | 0.38 | 200.00 | 41.94 | 0.34 | 41.60 | 0.02 | 1,949.37 | 0.58 | 0.02 | 1,969.72 | | | | | | | | | |
| Grading/Excavation | 4.71 | 44.00 | 48.38 | 202.05 | 2.05 | 200.00 | 43.44 | 1.84 | 41.60 | 0.10 | 9,529.66 | 2.86 | 0.11 | 9,634.62 | | | | | | | | | |
| Drainage/Utilities/Sub-Grade | 2.80 | 28.43 | 26.87 | 201.19 | 1.19 | 200.00 | 42.69 | 1.09 | 41.60 | 0.06 | 5,451.04 | 1.18 | 0.05 | 5,496.33 | | | | | | | | | |
| Paving | 1.24 | 17.07 | 11.75 | 0.63 | 0.63 | 0.00 | 0.56 | 0.56 | 0.00 | 0.03 | 2,595.08 | 0.74 | 0.03 | 2,621.99 | | | | | | | | | |
| Maximum (pounds/day) | 4.71 | 44.00 | 48.38 | 202.05 | 2.05 | 200.00 | 43.44 | 1.84 | 41.60 | 0.10 | 9,529.66 | 2.86 | 0.11 | 9,634.62 | | | | | | | | | |
| Total (tons/construction project) | 0.03 | 0.34 | 0.35 | 1.89 | 0.02 | 1.87 | 0.40 | 0.01 | 0.39 | 0.00 | 69.34 | 0.02 | 0.00 | 70.05 | | | | | | | | | |

Notes:
 Project Start Year -> 2023
 Project Length (months) -> 1
 Total Project Area (acres) -> 0
 Maximum Area Disturbed/Day (acres) -> 0
 Water Truck Used? -> No

| Phase | Total Material Imported/Exported Volume (yd ³ /day) | | Daily VMT (miles/day) | | | |
|------------------------------|--|---------|-----------------------|-----------------|----------------|-------------|
| | Soil | Asphalt | Soil Hauling | Asphalt Hauling | Worker Commute | Water Truck |
| Grubbing/Land Clearing | 0 | 0 | 0 | 0 | 200 | 0 |
| Grading/Excavation | 20 | 0 | 30 | 0 | 800 | 0 |
| Drainage/Utilities/Sub-Grade | 0 | 0 | 0 | 0 | 560 | 0 |
| Paving | 0 | 0 | 0 | 0 | 400 | 0 |


PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.
 Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.
 CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

| Total Emission Estimates by Phase for -> SMPs - Trail Connection Option 3 - Trail Portion | | | | | | | | | | | | | Total | Exhaust | Fugitive Dust | Total | Exhaust | Fugitive Dust | SOx (tons/phase) | CO2 (tons/phase) | CH4 (tons/phase) | N2O (tons/phase) | CO2e (MT/phase) |
|---|------------------|-----------------|------------------|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------|---------|---------------|-------|---------|---------------|------------------|------------------|------------------|------------------|-----------------|
| Project Phases (Tons for all except CO2e. Metric tonnes for CO2e) | ROG (tons/phase) | CO (tons/phase) | NOx (tons/phase) | PM10 (tons/phase) | PM10 (tons/phase) | PM10 (tons/phase) | PM2.5 (tons/phase) | PM2.5 (tons/phase) | PM2.5 (tons/phase) | PM2.5 (tons/phase) | PM2.5 (tons/phase) | PM2.5 (tons/phase) | | | | | | | | | | | |
| Grubbing/Land Clearing | 0.00 | 0.01 | 0.01 | 0.22 | 0.00 | 0.22 | 0.05 | 0.00 | 0.05 | 0.00 | 2.14 | 0.00 | 0.00 | 1.97 | | | | | | | | | |
| Grading/Excavation | 0.02 | 0.19 | 0.21 | 0.89 | 0.01 | 0.88 | 0.19 | 0.01 | 0.18 | 0.00 | 41.93 | 0.01 | 0.00 | 38.46 | | | | | | | | | |
| Drainage/Utilities/Sub-Grade | 0.01 | 0.11 | 0.10 | 0.77 | 0.00 | 0.77 | 0.16 | 0.00 | 0.16 | 0.00 | 20.99 | 0.00 | 0.00 | 19.20 | | | | | | | | | |
| Paving | 0.00 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.28 | 0.00 | 0.00 | 3.92 | | | | | | | | | |
| Maximum (tons/phase) | 0.02 | 0.19 | 0.21 | 0.89 | 0.01 | 0.88 | 0.19 | 0.01 | 0.18 | 0.00 | 41.93 | 0.01 | 0.00 | 38.46 | | | | | | | | | |
| Total (tons/construction project) | 0.03 | 0.34 | 0.35 | 1.89 | 0.02 | 1.87 | 0.40 | 0.01 | 0.39 | 0.00 | 69.34 | 0.02 | 0.00 | 63.55 | | | | | | | | | |

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.
 Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.
 CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.
 The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model
Data Entry Worksheet

Version 9.0.1



Note: Required data input sections have a yellow background.
 Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
 The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
 Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

Input Type

Project Name

Construction Start Year

Project Type

Project Construction Time Working Days per Month

Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)

Project Length

Total Project Area

Maximum Area Disturbed/Day

Water Trucks Used?

| |
|--|
| SMPs Project - Trail Option 3 - Bridge Portion |
| 2023 |
| 3 |
| 3.00 |
| 22.00 |
| 1 |
| 0.03 |
| 0.03 |
| 0.03 |
| 2 |

Enter a Year between 2014 and 2040 (inclusive)

- 1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway
- 2) Road Widening : Project to add a new lane to an existing roadway
- 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane
- 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction

months
days (assume 22 if unknown)

- 1) Sand Gravel : Use for quaternary deposits (Delta/West County)
- 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the lone formation (Scott Road, Rancho Murieta)
- 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)

miles
acres
acres

1. Yes
2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County. NEW LINK 8-2-2022.

<https://maps.conservation.ca.gov/cgs/gmc/>

Material Hauling Quantity Input

Mitigation Options

On-road Fleet Emissions Mitigation

Off-road Equipment Emissions Mitigation

| |
|--|
| |
| |

Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer

Select "20% NCx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAGMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (<http://www.airquality.org/Businesses/CEQA-Land-Use-Planning/Mitigation>).

Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

| Construction Periods | User Override of Construction Months | Program Calculated Months | User Override of Phase Starting Date | Program Default Phase Starting Date |
|------------------------------|--------------------------------------|---------------------------|--------------------------------------|-------------------------------------|
| Grubbing/Land Clearing | 0.30 | 0.30 | 7/1/2023 | 1/1/2023 |
| Grading/Excavation | 2.70 | 1.20 | 7/15/2023 | 1/1/2023 |
| Drainage/Utilities/Sub-Grade | 0.00 | 1.05 | | 4/4/2023 |
| Paving | 0.00 | 0.45 | | 4/4/2023 |
| Totals (Months) | | 3 | | |

Note: You have entered a non-default starting date. Please provide starting date for all phases, or default values for other phases will be used.

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

| Soil Hauling Emissions | User Override of Miles/Round Trip | Program Estimate of Miles/Round Trip | User Override of Truck Round Trips/Day | Default Values Round Trips/Day | Calculated Daily VMT | | | | | |
|---|-----------------------------------|--------------------------------------|--|--------------------------------|----------------------|------------|------------|------------|------------|-------------|
| User Input | | | | | | | | | | |
| Miles/round trip: Grubbing/Land Clearing | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Grading/Excavation | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Drainage/Utilities/Sub-Grade | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Paving | | 30.00 | | 0 | 0.00 | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Grubbing/Land Clearing (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grading/Excavation (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Drainage/Utilities/Sub-Grade (grams/mile) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/mile) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Drainage/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total tons per construction project | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Note: Asphalt Hauling emission default values can be overridden in cells D91 through D94, and F91 through F94.

| Asphalt Hauling Emissions | User Override of Miles/Round Trip | Program Estimate of Miles/Round Trip | User Override of Truck Round Trips/Day | Default Values Round Trips/Day | Calculated Daily VMT | | | | | |
|---|-----------------------------------|--------------------------------------|--|--------------------------------|----------------------|------------|------------|------------|------------|-------------|
| User Input | | | | | | | | | | |
| Miles/round trip: Grubbing/Land Clearing | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Grading/Excavation | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Drainage/Utilities/Sub-Grade | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Paving | | 30.00 | | 0 | 0.00 | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Grubbing/Land Clearing (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grading/Excavation (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Drainage/Utilities/Sub-Grade (grams/mile) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/mile) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Drainage/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total tons per construction project | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Note: Worker commute default values can be overridden in cells D121 through D126.

| Worker Commute Emissions | | User Override of Worker Commute Default Values | | Default Values | | Calculated | | | | | |
|---|--|--|-----------|----------------|-------------|--------------|------------|------------|------------|------------|-------------|
| User Input | | | | Daily Trips | Daily VMT | | | | | | |
| Miles/ one-way trip | | 20 | | | | | | | | | |
| One-way trips/day | | 2 | | | | | | | | | |
| No. of employees: Grubbing/Land Clearing | | 5 | | 10 | 200.00 | | | | | | |
| No. of employees: Grading/Excavation | | 28 | | 56 | 1,120.00 | | | | | | |
| No. of employees: Drainage/Utilities/Sub-Grade | | 18 | | 36 | 720.00 | | | | | | |
| No. of employees: Paving | | 8 | | 16 | 320.00 | | | | | | |
| Emission Rates | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Grubbing/Land Clearing (grams/mile) | | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 |
| Grading/Excavation (grams/mile) | | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 |
| Draining/Utilities/Sub-Grade (grams/mile) | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/mile) | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grubbing/Land Clearing (grams/trip) | | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 |
| Grading/Excavation (grams/trip) | | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 |
| Draining/Utilities/Sub-Grade (grams/trip) | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Emissions | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Pounds per day - Grubbing/Land Clearing | | 0.03 | 0.46 | 0.04 | 0.02 | 0.01 | 0.00 | 141.57 | 0.00 | 0.00 | 142.71 |
| Tons per const. Period - Grubbing/Land Clearing | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.47 |
| Pounds per day - Grading/Excavation | | 0.17 | 2.59 | 0.22 | 0.11 | 0.05 | 0.01 | 792.79 | 0.02 | 0.02 | 799.17 |
| Tons per const. Period - Grading/Excavation | | 0.00 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 23.55 | 0.00 | 0.00 | 23.74 |
| Pounds per day - Drainage/Utilities/Sub-Grade | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Paving | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Paving | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total tons per construction project | | 0.01 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 24.01 | 0.00 | 0.00 | 24.21 |

Note: Water Truck default values can be overridden in cells D153 through D156, I153 through I156, and F153 through F156.

| Water Truck Emissions | | User Override of Program Estimate of | | User Override of Truck | | Default Values | | Calculated | | User Override of Default Values | | Calculated | |
|---|--|--------------------------------------|------------------------|-------------------------|-------------------------|----------------|------------------|------------------|------------|---------------------------------|------------------|------------|--|
| User Input | | Default # Water Trucks | Number of Water Trucks | Round Trips/Vehicle/Day | Round Trips/Vehicle/Day | Trips/day | Miles/Round Trip | Miles/Round Trip | Daily VMT | | Miles/Round Trip | Daily VMT | |
| Grubbing/Land Clearing - Exhaust | | 0 | 0 | | 5 | 0 | | 8.00 | 0.00 | | | | |
| Grading/Excavation - Exhaust | | 0 | 0 | | 5 | 0 | | 8.00 | 0.00 | | | | |
| Drainage/Utilities/Subgrade | | 0 | 0 | | 5 | 0 | | 8.00 | 0.00 | | | | |
| Paving | | 0 | 0 | | 5 | 0 | | 8.00 | 0.00 | | | | |
| Emission Rates | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | | |
| Grubbing/Land Clearing (grams/mile) | | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | |
| Grading/Excavation (grams/mile) | | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | |
| Draining/Utilities/Sub-Grade (grams/mile) | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| Paving (grams/mile) | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| Grubbing/Land Clearing (grams/trip) | | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| Grading/Excavation (grams/trip) | | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| Draining/Utilities/Sub-Grade (grams/trip) | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| Paving (grams/trip) | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| Emissions | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | | |
| Pounds per day - Grubbing/Land Clearing | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| Tons per const. Period - Grubbing/Land Clearing | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| Pounds per day - Grading/Excavation | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| Tons per const. Period - Grading/Excavation | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| Pounds per day - Drainage/Utilities/Sub-Grade | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| Pounds per day - Paving | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| Tons per const. Period - Paving | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| Total tons per construction project | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |

Note: Fugitive dust default values can be overridden in cells D183 through D185.

| Fugitive Dust | | User Override of Max Acreage Disturbed/Day | | Default | PM10 | PM10 | PM2.5 | PM2.5 |
|---|--|--|---------|-------------|------------|-------------|------------|-------------|
| | | Maximum | Maximum | Acreage/Day | pounds/day | tons/period | pounds/day | tons/period |
| Fugitive Dust - Grubbing/Land Clearing | | | 0.03 | | 0.60 | 0.00 | 0.12 | 0.00 |
| Fugitive Dust - Grading/Excavation | | | 0.03 | | 0.60 | 0.02 | 0.12 | 0.00 |
| Fugitive Dust - Drainage/Utilities/Subgrade | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 |

| Off-Road Equipment Emissions | | | | | | | | | | | | |
|--|------------------------|---|-------------------------------|---------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Grubbing/Land Clearing | | Default Number of Vehicles | Mitigation Option Override of | Default | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| | | | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Model Default Tier | Crawler Tractors | 0.44 | 2.24 | 5.12 | 0.20 | 0.18 | 0.01 | 758.27 | 0.25 |
| | | | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1.00 | 2 | | Model Default Tier | Excavators | 0.19 | 3.26 | 1.55 | 0.08 | 0.07 | 0.01 | 500.11 | 0.16 |
| | | | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Model Default Tier | Signal Boards | 0.06 | 0.30 | 0.36 | 0.01 | 0.01 | 0.00 | 49.31 | 0.01 |
| | | | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Tractors/Loaders/Backhoes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User-Defined Off-road Equipment | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| Number of Vehicles | Equipment Tier | Type | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | | |
| 0.00 | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 0.00 | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 0.00 | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 0.00 | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 0.00 | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 0.00 | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 0.00 | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 0.00 | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | Grubbing/Land Clearing | pounds per day | 0.69 | 5.80 | 7.03 | 0.29 | 0.27 | 0.01 | 1,307.69 | 0.41 | | |
| | Grubbing/Land Clearing | tons per phase | 0.00 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | 4.32 | 0.00 | | |

| Grading/Excavation | | Default | Mitigation Option | Default | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
|--|--------------------|--------------------|---|---------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | Number of Vehicles | Override of | | | | | | | | | |
| Override of Default Number of Vehicles | | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| | | | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 1 | Model Default Tier | Cranes | 0.35 | 1.83 | 3.82 | 0.16 | 0.15 | 0.01 | 558.82 | 0.18 |
| 0.00 | | 2 | Model Default Tier | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2.00 | | 4 | Model Default Tier | Excavators | 0.38 | 6.52 | 3.10 | 0.15 | 0.14 | 0.01 | 1,000.21 | 0.32 |
| | | | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1.00 | | 2 | Model Default Tier | Graders | 0.38 | 1.69 | 4.65 | 0.15 | 0.14 | 0.01 | 640.86 | 0.21 |
| | | | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2.00 | | 3 | Model Default Tier | Rollers | 0.31 | 3.70 | 3.22 | 0.18 | 0.16 | 0.01 | 508.22 | 0.16 |
| | | | Model Default Tier | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2.00 | | 3 | Model Default Tier | Rubber Tired Loaders | 0.54 | 3.02 | 5.31 | 0.18 | 0.16 | 0.01 | 1,211.12 | 0.39 |
| 0.00 | | 4 | Model Default Tier | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 1 | Model Default Tier | Signal Boards | 0.06 | 0.30 | 0.36 | 0.01 | 0.01 | 0.00 | 49.31 | 0.01 |
| | | | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | Model Default Tier | Tractors/Loaders/Backhoes | 0.30 | 4.46 | 3.07 | 0.15 | 0.14 | 0.01 | 603.15 | 0.20 |
| | | | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User-Defined Off-road Equipment | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| Number of Vehicles | | | | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | | | | | | | | |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Grading/Excavation | | | pounds per day | 2.32 | 21.53 | 23.53 | 0.98 | 0.91 | 0.05 | 4,571.69 | 1.47 |
| | Grading/Excavation | | | tons per phase | 0.07 | 0.64 | 0.70 | 0.03 | 0.03 | 0.00 | 135.78 | 0.04 |

| Default | | Mitigation Option | | | | | | | | | |
|--|--------------------|---|--------------------|---------------------------------|------------|------------|------------|------------|------------|------------|------------|
| Drainage/Utilities/Subgrade | Number of Vehicles | Override of | Default | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| | 1 | | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Model Default Tier | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 2 | | Model Default Tier | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Model Default Tier | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Model Default Tier | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 4 | | Model Default Tier | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Model Default Tier | Signal Boards | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 2 | | Model Default Tier | Tractors/Loaders/Backhoes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User-Defined Off-road Equipment | | | | | | | | | | | |
| | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| Number of Vehicles | | Equipment Tier | | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Drainage/Utilities/Sub-Grade | | | | pounds per day | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Drainage/Utilities/Sub-Grade | | | | tons per phase | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Paving | Default | | Mitigation Option | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
|--|--|------------------|---|---------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | Number of Vehicles | Override of | Default | Default | | | | | | | | |
| | Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | | | | | | | | |
| | | | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Model Default Tier | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Model Default Tier | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Model Default Tier | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Model Default Tier | Signal Boards | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 2 | | Model Default Tier | Tractors/Loaders/Backhoes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User-Defined Off-road Equipment | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| Number of Vehicles | | Equipment Tier | Type | | | | | | | | | |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Paving | | pounds per day | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Paving | | tons per phase | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Emissions all Phases (tons per construction period) => | | | | | 0.07 | 0.66 | 0.72 | 0.03 | 0.03 | 0.00 | 140.09 | 0.04 |

| N2O | CO2e |
|------------|------------|
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 564.84 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,010.99 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 647.76 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 513.69 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,224.20 |
| 0.00 | 0.00 |
| 0.00 | 49.56 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 609.64 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| <hr/> | |
| N2O | CO2e |
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.04 | 4,620.70 |
| 0.00 | 137.23 |

Equipment default values for horsepower and hours/day can be overridden in cells D403 through D436 and F403 through F436.

| Equipment | User Override of Horsepower | Default Values Horsepower | User Override of Hours/day | Default Values Hours/day |
|------------------------------------|--------------------------------|------------------------------|-------------------------------|-----------------------------|
| Aerial Lifts | | 63 | | 8 |
| Air Compressors | | 78 | | 8 |
| Bore/Drill Rigs | | 221 | | 8 |
| Cement and Mortar Mixers | | 9 | | 8 |
| Concrete/Industrial Saws | | 81 | | 8 |
| Cranes | | 231 | | 8 |
| Crawler Tractors | | 212 | | 8 |
| Crushing/Proc. Equipment | | 85 | | 8 |
| Excavators | | 158 | | 8 |
| Forklifts | | 89 | | 8 |
| Generator Sets | | 84 | | 8 |
| Graders | | 187 | | 8 |
| Off-Highway Tractors | | 124 | | 8 |
| Off-Highway Trucks | | 402 | | 8 |
| Other Construction Equipment | | 172 | | 8 |
| Other General Industrial Equipment | | 88 | | 8 |
| Other Material Handling Equipment | | 168 | | 8 |
| Pavers | | 130 | | 8 |
| Paving Equipment | | 132 | | 8 |
| Plate Compactors | | 8 | | 8 |
| Pressure Washers | | 13 | | 8 |
| Pumps | | 84 | | 8 |
| Rollers | | 80 | | 8 |
| Rough Terrain Forklifts | | 100 | | 8 |
| Rubber Tired Dozers | | 247 | | 8 |
| Rubber Tired Loaders | | 203 | | 8 |
| Scrapers | | 367 | | 8 |
| Signal Boards | | 6 | | 8 |
| Skid Steer Loaders | | 65 | | 8 |
| Surfacing Equipment | | 263 | | 8 |
| Sweepers/Scrubbers | | 64 | | 8 |
| Tractors/Loaders/Backhoes | | 97 | | 8 |
| Trenchers | | 78 | | 8 |
| Welders | | 46 | | 8 |

END OF DATA ENTRY SHEET

Road Construction Emissions Model, Version 9.0.1

| Daily Emission Estimates for -> SMPs Project - Trail Option 3 - Bridge Portion | | | | | | | | | | | | | | |
|--|---------------|--------------|---------------|----------------|------------------------|------------------------------|-----------------------|-------------------------|-------------------------------|---------------|---------------|---------------|---------------|----------------|
| Project Phases (Pounds) | ROG (lbs/day) | CO (lbs/day) | NOx (lbs/day) | PM10 (lbs/day) | Exhaust PM10 (lbs/day) | Fugitive Dust PM10 (lbs/day) | Total PM2.5 (lbs/day) | Exhaust PM2.5 (lbs/day) | Fugitive Dust PM2.5 (lbs/day) | SOx (lbs/day) | CO2 (lbs/day) | CH4 (lbs/day) | N2O (lbs/day) | CO2e (lbs/day) |
| Grubbing/Land Clearing | 0.72 | 6.27 | 7.07 | 0.91 | 0.31 | 0.60 | 0.40 | 0.28 | 0.12 | 0.02 | 1,449.26 | 0.42 | 0.02 | 1,464.22 |
| Grading/Excavation | 2.49 | 24.12 | 23.74 | 1.70 | 1.10 | 0.60 | 1.08 | 0.95 | 0.12 | 0.06 | 5,364.48 | 1.49 | 0.06 | 5,419.87 |
| Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum (pounds/day) | 2.49 | 24.12 | 23.74 | 1.70 | 1.10 | 0.60 | 1.08 | 0.95 | 0.12 | 0.06 | 5,364.48 | 1.49 | 0.06 | 5,419.87 |
| Total (tons/construction project) | 0.08 | 0.74 | 0.73 | 0.05 | 0.03 | 0.02 | 0.03 | 0.03 | 0.00 | 0.00 | 164.11 | 0.05 | 0.00 | 165.80 |

Notes:
 Project Start Year -> 2023
 Project Length (months) -> 3
 Total Project Area (acres) -> 0
 Maximum Area Disturbed/Day (acres) -> 0
 Water Truck Used? -> No

| Phase | Total Material Imported/Exported Volume (yd ³ /day) | | Daily VMT (miles/day) | | | |
|------------------------------|--|---------|-----------------------|-----------------|----------------|-------------|
| | Soil | Asphalt | Soil Hauling | Asphalt Hauling | Worker Commute | Water Truck |
| Grubbing/Land Clearing | 0 | 0 | 0 | 0 | 200 | 0 |
| Grading/Excavation | 0 | 0 | 0 | 0 | 1,120 | 0 |
| Drainage/Utilities/Sub-Grade | 0 | 0 | 0 | 0 | 720 | 0 |
| Paving | 0 | 0 | 0 | 0 | 320 | 0 |

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.
 Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.
 CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

| Total Emission Estimates by Phase for -> SMPs Project - Trail Option 3 - Bridge Portion | | | | | | | | | | | | | | |
|---|------------------|-----------------|------------------|-------------------|---------------------------|---------------------------------|--------------------------|----------------------------|----------------------------------|------------------|------------------|------------------|------------------|-----------------|
| Project Phases (Tons for all except CO2e. Metric tonnes for CO2e) | ROG (tons/phase) | CO (tons/phase) | NOx (tons/phase) | PM10 (tons/phase) | Exhaust PM10 (tons/phase) | Fugitive Dust PM10 (tons/phase) | Total PM2.5 (tons/phase) | Exhaust PM2.5 (tons/phase) | Fugitive Dust PM2.5 (tons/phase) | SOx (tons/phase) | CO2 (tons/phase) | CH4 (tons/phase) | N2O (tons/phase) | CO2e (MT/phase) |
| Grubbing/Land Clearing | 0.00 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.78 | 0.00 | 0.00 | 4.38 |
| Grading/Excavation | 0.07 | 0.72 | 0.71 | 0.05 | 0.03 | 0.02 | 0.03 | 0.03 | 0.00 | 0.00 | 159.33 | 0.04 | 0.00 | 146.03 |
| Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum (tons/phase) | 0.07 | 0.72 | 0.71 | 0.05 | 0.03 | 0.02 | 0.03 | 0.03 | 0.00 | 0.00 | 159.33 | 0.04 | 0.00 | 146.03 |
| Total (tons/construction project) | 0.08 | 0.74 | 0.73 | 0.05 | 0.03 | 0.02 | 0.03 | 0.03 | 0.00 | 0.00 | 164.11 | 0.05 | 0.00 | 150.41 |

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.
 Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.
 CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.
 The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model
Data Entry Worksheet

Version 9.0.1

Note: Required data input sections have a yellow background.
 Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
 The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
 Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

Input Type

Project Name

Construction Start Year

Project Type

Project Construction Time Working Days per Month

Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)

Project Length

Total Project Area

Maximum Area Disturbed/Day

Water Trucks Used?

| |
|--|
| SMPs - Trail Connection Option 3 - Trail Portion |
| 2023 |
| 2 |
| 1.00 |
| 22.00 |
| 1 |
| 0.22 |
| 0.27 |
| 0.27 |
| 2 |

SMPs - Trail Connection Option 3 - Trail Portion

Enter a Year between 2014 and 2040 (inclusive)

- 1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway
- 2) Road Widening : Project to add a new lane to an existing roadway
- 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane
- 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction

month days (assume 22 if unknown)

- 1) Sand Gravel : Use for quaternary deposits (Delta/West County)
- 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the lone formation (Scott Road, Rancho Murieta)
- 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)

miles
acres
acres

1. Yes
2. No

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County. NEW LINK 8-2-2022.

<https://maps.conservation.ca.gov/cgs/gmc/>

Material Hauling Quantity Input

| Material Type | Phase | Haul Truck Capacity (yd ³) (assume 20 if unknown) | Import Volume (yd ³ /day) | Export Volume (yd ³ /day) |
|---------------|------------------------------|---|--------------------------------------|--------------------------------------|
| Soil | Grubbing/Land Clearing | | | |
| | Grading/Excavation | 20.00 | | 20.00 |
| | Drainage/Utilities/Sub-Grade | | | |
| | Paving | | | |
| Asphalt | Grubbing/Land Clearing | | | |
| | Grading/Excavation | | | |
| | Drainage/Utilities/Sub-Grade | | | |
| | Paving | | | |

Mitigation Options

| | |
|---|--|
| On-road Fleet Emissions Mitigation | |
| Off-road Equipment Emissions Mitigation | Tier 4 Equipment |
| Will all off-road equipment be tier 4? | Tier 4 equipment for limited equipment types |

Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
 Select "20% NCx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAGMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (<http://www.airquality.org/Businesses/CEQA-Land-Use-Planning/Mitigation>).
 Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

If "Tier 4 equipment for limited equipment types" is selected, please provide tier information for each equipment type in cells from E183 to E379 below.

The remaining sections of this sheet contain areas that can be modified by the user, although those modifications are optional.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

| Construction Periods | User Override of Construction Months | Program Calculated Months | User Override of Phase Starting Date | Program Default Phase Starting Date |
|------------------------------|--------------------------------------|---------------------------|--------------------------------------|-------------------------------------|
| Grubbing/Land Clearing | | 0.10 | | 1/1/2023 |
| Grading/Excavation | | 0.40 | | 1/5/2023 |
| Drainage/Utilities/Sub-Grade | | 0.35 | | 1/18/2023 |
| Paving | | 0.15 | | 1/29/2023 |
| Totals (Months) | 1 | | | |

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

| Soil Hauling Emissions | User Override of Miles/Round Trip | Program Estimate of Miles/Round Trip | User Override of Truck Round Trips/Day | Default Values Round Trips/Day | Calculated Daily VMT | | | | | |
|---|-----------------------------------|--------------------------------------|--|--------------------------------|----------------------|------------|------------|------------|------------|-------------|
| User Input | | | | | | | | | | |
| Miles/round trip: Grubbing/Land Clearing | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Grading/Excavation | | 30.00 | | 1 | 30.00 | | | | | |
| Miles/round trip: Drainage/Utilities/Sub-Grade | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Paving | | 30.00 | | 0 | 0.00 | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Grubbing/Land Clearing (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grading/Excavation (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Paving (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.00 | 0.03 | 0.21 | 0.01 | 0.00 | 0.00 | 113.43 | 0.00 | 0.02 | 118.74 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.52 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total tons per construction project | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.52 |

Note: Asphalt Hauling emission default values can be overridden in cells D91 through D94, and F91 through F94.

| Asphalt Hauling Emissions | User Override of Miles/Round Trip | Program Estimate of Miles/Round Trip | User Override of Truck Round Trips/Day | Default Values Round Trips/Day | Calculated Daily VMT | | | | | |
|---|-----------------------------------|--------------------------------------|--|--------------------------------|----------------------|------------|------------|------------|------------|-------------|
| User Input | | | | | | | | | | |
| Miles/round trip: Grubbing/Land Clearing | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Grading/Excavation | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Drainage/Utilities/Sub-Grade | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Paving | | 30.00 | | 0 | 0.00 | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Grubbing/Land Clearing (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grading/Excavation (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Paving (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total tons per construction project | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Note: Worker commute default values can be overridden in cells D121 through D126.

| Worker Commute Emissions | | User Override of Worker Commute Default Values | | Default Values | | Calculated | | | | | |
|---|--|--|------|----------------|------|-------------|------|-----------|------|------|--------|
| User Input | | | | | | Daily Trips | | Daily VMT | | | |
| Miles/ one-way trip | | | 20 | | | | | | | | |
| One-way trips/day | | | 2 | | | | | | | | |
| No. of employees: Grubbing/Land Clearing | | | 5 | | 10 | | | 200.00 | | | |
| No. of employees: Grading/Excavation | | | 20 | | 40 | | | 800.00 | | | |
| No. of employees: Drainage/Utilities/Sub-Grade | | | 14 | | 28 | | | 560.00 | | | |
| No. of employees: Paving | | | 10 | | 20 | | | 400.00 | | | |
| Emission Rates | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Grubbing/Land Clearing (grams/mile) | | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 |
| Grading/Excavation (grams/mile) | | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 |
| Draining/Utilities/Sub-Grade (grams/mile) | | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 |
| Paving (grams/mile) | | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 |
| Grubbing/Land Clearing (grams/trip) | | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 |
| Grading/Excavation (grams/trip) | | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 |
| Draining/Utilities/Sub-Grade (grams/trip) | | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 |
| Paving (grams/trip) | | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 |
| Emissions | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Pounds per day - Grubbing/Land Clearing | | 0.03 | 0.46 | 0.04 | 0.02 | 0.01 | 0.00 | 141.57 | 0.00 | 0.00 | 142.71 |
| Tons per const. Period - Grubbing/Land Clearing | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.16 |
| Pounds per day - Grading/Excavation | | 0.12 | 1.85 | 0.15 | 0.08 | 0.03 | 0.01 | 566.28 | 0.01 | 0.01 | 570.83 |
| Tons per const. Period - Grading/Excavation | | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 0.00 | 0.00 | 2.51 |
| Pounds per day - Drainage/Utilities/Sub-Grade | | 0.08 | 1.30 | 0.11 | 0.05 | 0.02 | 0.00 | 396.39 | 0.01 | 0.01 | 399.58 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.53 | 0.00 | 0.00 | 1.54 |
| Pounds per day - Paving | | 0.06 | 0.93 | 0.08 | 0.04 | 0.02 | 0.00 | 283.14 | 0.01 | 0.01 | 285.42 |
| Tons per const. Period - Paving | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.47 |
| Total tons per construction project | | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 4.64 | 0.00 | 0.00 | 4.68 |

Note: Water Truck default values can be overridden in cells D153 through D156, I153 through I156, and F153 through F156.

| Water Truck Emissions | | User Override of Program Estimate of | | User Override of Truck | | Default Values | | Calculated | | User Override of | | Default Values | | Calculated | |
|---|--|--------------------------------------|------------------------|-------------------------|-------------------------|----------------|------------------|------------------|-----------|------------------|-----------|------------------|-----------|------------------|-----------|
| User Input | | Default # Water Trucks | Number of Water Trucks | Round Trips/Vehicle/Day | Round Trips/Vehicle/Day | Trips/day | Miles/Round Trip | Miles/Round Trip | Daily VMT | Miles/Round Trip | Daily VMT | Miles/Round Trip | Daily VMT | Miles/Round Trip | Daily VMT |
| Grubbing/Land Clearing - Exhaust | | | 0 | | 5 | 0 | | 8.00 | 0.00 | | | 8.00 | 0.00 | | |
| Grading/Excavation - Exhaust | | | 0 | | 5 | 0 | | 8.00 | 0.00 | | | 8.00 | 0.00 | | |
| Drainage/Utilities/Subgrade | | | 0 | | 5 | 0 | | 8.00 | 0.00 | | | 8.00 | 0.00 | | |
| Paving | | | 0 | | 5 | 0 | | 8.00 | 0.00 | | | 8.00 | 0.00 | | |
| Emission Rates | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | | | | |
| Grubbing/Land Clearing (grams/mile) | | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | |
| Grading/Excavation (grams/mile) | | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | |
| Draining/Utilities/Sub-Grade (grams/mile) | | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | |
| Paving (grams/mile) | | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | |
| Grubbing/Land Clearing (grams/trip) | | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| Grading/Excavation (grams/trip) | | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| Draining/Utilities/Sub-Grade (grams/trip) | | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| Paving (grams/trip) | | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| Emissions | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | | | | |
| Pounds per day - Grubbing/Land Clearing | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| Tons per const. Period - Grubbing/Land Clearing | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| Pounds per day - Grading/Excavation | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| Tons per const. Period - Grading/Excavation | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| Pounds per day - Drainage/Utilities/Sub-Grade | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| Pounds per day - Paving | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| Tons per const. Period - Paving | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| Total tons per construction project | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |

Note: Fugitive dust default values can be overridden in cells D183 through D185.

| Fugitive Dust | | User Override of Max Acreage Disturbed/Day | | Default | PM10 | PM10 | PM2.5 | PM2.5 |
|---|--|--|------|---------------------|------------|-----------------|------------|-----------------|
| | | | | Maximum Acreage/Day | pounds/day | tons/per period | pounds/day | tons/per period |
| Fugitive Dust - Grubbing/Land Clearing | | 10.00 | 0.27 | | 200.00 | 0.22 | 41.60 | 0.05 |
| Fugitive Dust - Grading/Excavation | | 10.00 | 0.27 | | 200.00 | 0.88 | 41.60 | 0.18 |
| Fugitive Dust - Drainage/Utilities/Subgrade | | 10.00 | 0.27 | | 200.00 | 0.77 | 41.60 | 0.16 |

Values in cells E232 through E236, E283 through E287, E334 through E338, and E385 through E389 are required when non-default Equipment are used and they are not all Tier 4

| Off-Road Equipment Emissions | | | | | | | | | | | | | |
|--|------------------------|----------------------------|---|--------------------|---------------------------------|------------|------------|------------|------------|------------|------------|------------|------|
| Grubbing/Land Clearing | | Default Number of Vehicles | Override of Mitigation Option | Current | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | |
| Override of Default Number of Vehicles | | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | |
| | | | Model Default Tier | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Tier 4 | Tier 4 | Crawler Tractors | 0.24 | 4.18 | 0.48 | 0.02 | 0.02 | 0.01 | 758.27 | 0.25 |
| | | | Model Default Tier | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 2 | | Model Default Tier | Model Default Tier | Excavators | 0.38 | 6.52 | 3.10 | 0.15 | 0.14 | 0.01 | 1,000.21 | 0.32 |
| | | | Model Default Tier | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Model Default Tier | Model Default Tier | Signal Boards | 0.06 | 0.30 | 0.36 | 0.01 | 0.01 | 0.00 | 49.31 | 0.01 |
| | | | Model Default Tier | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Tractors/Loaders/Backhoes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User-Defined Off-road Equipment | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | |
| 0.00 | | | N/A | Equipment Tier | Type | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Grubbing/Land Clearing | | | | pounds per day | 0.68 | 11.00 | 3.94 | 0.19 | 0.18 | 0.02 | 1,807.80 | 0.57 |
| | Grubbing/Land Clearing | | | | tons per phase | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 0.00 |

| Grading/Excavation | Default | | Mitigation Option | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | |
|--|--------------------|---|--------------------|--------------------|---------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | Number of Vehicles | Override of | Current | | | | | | | | | | |
| Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0 | | Model Default Tier | Model Default Tier | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1 | | Tier 4 | Tier 4 | Tier 4 | Crawler Tractors | 0.24 | 4.18 | 0.48 | 0.02 | 0.02 | 0.01 | 758.27 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | | Model Default Tier | Model Default Tier | Model Default Tier | Excavators | 0.57 | 9.77 | 4.65 | 0.23 | 0.21 | 0.02 | 1,500.32 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | | Tier 4 | Tier 4 | Tier 4 | Graders | 0.41 | 7.03 | 0.81 | 0.04 | 0.04 | 0.01 | 1,281.71 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | | Model Default Tier | Model Default Tier | Model Default Tier | Rollers | 0.31 | 3.70 | 3.22 | 0.18 | 0.16 | 0.01 | 508.22 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1 | | Model Default Tier | Model Default Tier | Model Default Tier | Rubber Tired Loaders | 0.27 | 1.51 | 2.65 | 0.09 | 0.08 | 0.01 | 605.56 | |
| 2 | | Tier 4 | Tier 4 | Tier 4 | Scrapers | 0.93 | 16.16 | 1.86 | 0.09 | 0.09 | 0.03 | 2,940.26 | |
| 1 | | Model Default Tier | Model Default Tier | Model Default Tier | Signal Boards | 0.06 | 0.30 | 0.36 | 0.01 | 0.01 | 0.00 | 49.31 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | | Model Default Tier | Model Default Tier | Model Default Tier | Tractors/Loaders/Backhoes | 0.61 | 8.93 | 6.14 | 0.30 | 0.28 | 0.01 | 1,206.31 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| User-Defined Off-road Equipment | | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| Number of Vehicles | | Equipment Tier | | Type | | | | | | | | | |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Grading/Excavation | | | pounds per day | | 3.38 | 51.58 | 20.18 | 0.97 | 0.89 | 0.09 | 8,849.96 | 2.85 |
| | Grading/Excavation | | | tons per phase | | 0.01 | 0.23 | 0.09 | 0.00 | 0.00 | 0.00 | 38.94 | 0.01 |

| Drainage/Utilities/Subgrade | Default | | Mitigation Option | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
|--|--|------------------|---|--------------------|---------------------------------|-------|-------|------|-------|------|----------|----------|
| | Number of Vehicles | | Override of | Current | | | | | | | | |
| | Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | | | | | | | | |
| | | | Model Default Tier | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Model Default Tier | Model Default Tier | Air Compressors | 0.26 | 2.41 | 1.74 | 0.09 | 0.09 | 0.00 | 375.26 |
| | | | Model Default Tier | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Model Default Tier | Model Default Tier | Generator Sets | 0.31 | 3.67 | 2.72 | 0.13 | 0.13 | 0.01 | 623.04 |
| | 1 | | Tier 4 | Tier 4 | Graders | 0.20 | 3.52 | 0.41 | 0.02 | 0.02 | 0.01 | 640.86 |
| | | | Model Default Tier | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Model Default Tier | Model Default Tier | Plate Compactors | 0.04 | 0.21 | 0.25 | 0.01 | 0.01 | 0.00 | 34.48 |
| | | | Model Default Tier | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Model Default Tier | Model Default Tier | Pumps | 0.33 | 3.73 | 2.75 | 0.13 | 0.13 | 0.01 | 623.04 |
| | | | Model Default Tier | Model Default Tier | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Model Default Tier | Model Default Tier | Rough Terrain Forklifts | 0.11 | 2.29 | 1.40 | 0.04 | 0.04 | 0.00 | 333.80 |
| | | | Model Default Tier | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Tier 4 | Tier 4 | Scrapers | 0.47 | 8.08 | 0.93 | 0.05 | 0.04 | 0.02 | 1,470.13 |
| | 1 | | Model Default Tier | Model Default Tier | Signal Boards | 0.06 | 0.30 | 0.36 | 0.01 | 0.01 | 0.00 | 49.31 |
| | | | Model Default Tier | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 3 | | Model Default Tier | Model Default Tier | Tractors/Loaders/Backhoes | 0.45 | 6.69 | 4.61 | 0.23 | 0.21 | 0.01 | 904.73 |
| | | | Model Default Tier | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User-Defined Off-road Equipment | | | | | | | | | | | | |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | | | | | | | | |
| Number of Vehicles | | | Equipment Tier | Type | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Drainage/Utilities/Sub-Grade | | | pounds per day | 2.21 | 30.90 | 15.16 | 0.72 | 0.69 | 0.05 | 5,054.65 | 1.17 |
| | Drainage/Utilities/Sub-Grade | | | tons per phase | 0.01 | 0.12 | 0.06 | 0.00 | 0.00 | 0.00 | 19.46 | 0.00 |

| Paving | Default | | Mitigation Option | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | |
|--|--|------------------|---|--------------------|---------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | Number of Vehicles | Override of | Current | | | | | | | | | | |
| | Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | | | | | | | | | |
| | | | Model Default Tier | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Model Default Tier | Model Default Tier | Pavers | 0.19 | 2.88 | 1.88 | 0.09 | 0.08 | 0.00 | 455.22 | |
| | 1 | | Model Default Tier | Model Default Tier | Paving Equipment | 0.17 | 2.56 | 1.60 | 0.08 | 0.07 | 0.00 | 394.47 | |
| | | | Model Default Tier | Model Default Tier | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 2 | | Model Default Tier | Model Default Tier | Rollers | 0.31 | 3.70 | 3.22 | 0.18 | 0.16 | 0.01 | 508.22 | |
| | | | Model Default Tier | Model Default Tier | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Model Default Tier | Model Default Tier | Signal Boards | 0.06 | 0.30 | 0.36 | 0.01 | 0.01 | 0.00 | 49.31 | |
| | | | Model Default Tier | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 3 | | Model Default Tier | Model Default Tier | Tractors/Loaders/Backhoes | 0.45 | 6.69 | 4.61 | 0.23 | 0.21 | 0.01 | 904.73 | |
| | | | Model Default Tier | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| User-Defined Off-road Equipment | | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| Number of Vehicles | | | Equipment Tier | Type | | | | | | | | | |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Paving | | | pounds per day | | 1.18 | 16.14 | 11.67 | 0.59 | 0.54 | 0.02 | 2,311.94 | 0.74 |
| | Paving | | | tons per phase | | 0.00 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 3.81 | 0.00 |
| Total Emissions all Phases (tons per construction period) => | | | | | | 0.03 | 0.38 | 0.17 | 0.01 | 0.01 | 0.00 | 64.20 | 0.02 |

| N2O | CO2e |
|------------|------------|
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 766.45 |
| 0.00 | 0.00 |
| 0.01 | 1,516.49 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,295.52 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 513.69 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 612.10 |
| 0.03 | 2,971.94 |
| 0.00 | 49.56 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,219.29 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| N2O | CO2e |
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.08 | 8,945.05 |
| 0.00 | 39.36 |

| N2O | CO2e |
|------------|------------|
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 376.67 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 625.12 |
| 0.01 | 647.76 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 34.65 |
| 0.00 | 0.00 |
| 0.00 | 625.14 |
| 0.00 | 0.00 |
| 0.00 | 337.40 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,485.97 |
| 0.00 | 49.56 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 914.46 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| N2O | CO2e |
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.04 | 5,096.74 |
| 0.00 | 19.62 |

| N2O | CO2e |
|------------|------------|
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 460.13 |
| 0.00 | 396.72 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 513.69 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 49.56 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 914.46 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.02 | 2,336.57 |
| 0.00 | 3.86 |
| 0.00 | 64.85 |

Equipment default values for horsepower and hours/day can be overridden in cells D403 through D436 and F403 through F436.

| Equipment | User Override of Horsepower | Default Values Horsepower | User Override of Hours/day | Default Values Hours/day |
|------------------------------------|--------------------------------|------------------------------|-------------------------------|-----------------------------|
| Aerial Lifts | | 63 | | 8 |
| Air Compressors | | 78 | | 8 |
| Bore/Drill Rigs | | 221 | | 8 |
| Cement and Mortar Mixers | | 9 | | 8 |
| Concrete/Industrial Saws | | 81 | | 8 |
| Cranes | | 231 | | 8 |
| Crawler Tractors | | 212 | | 8 |
| Crushing/Proc. Equipment | | 85 | | 8 |
| Excavators | | 158 | | 8 |
| Forklifts | | 89 | | 8 |
| Generator Sets | | 84 | | 8 |
| Graders | | 187 | | 8 |
| Off-Highway Tractors | | 124 | | 8 |
| Off-Highway Trucks | | 402 | | 8 |
| Other Construction Equipment | | 172 | | 8 |
| Other General Industrial Equipment | | 88 | | 8 |
| Other Material Handling Equipment | | 168 | | 8 |
| Pavers | | 130 | | 8 |
| Paving Equipment | | 132 | | 8 |
| Plate Compactors | | 8 | | 8 |
| Pressure Washers | | 13 | | 8 |
| Pumps | | 84 | | 8 |
| Rollers | | 80 | | 8 |
| Rough Terrain Forklifts | | 100 | | 8 |
| Rubber Tired Dozers | | 247 | | 8 |
| Rubber Tired Loaders | | 203 | | 8 |
| Scrapers | | 367 | | 8 |
| Signal Boards | | 6 | | 8 |
| Skid Steer Loaders | | 65 | | 8 |
| Surfacing Equipment | | 263 | | 8 |
| Sweepers/Scrubbers | | 64 | | 8 |
| Tractors/Loaders/Backhoes | | 97 | | 8 |
| Trenchers | | 78 | | 8 |
| Welders | | 46 | | 8 |

END OF DATA ENTRY SHEET

Road Construction Emissions Model, Version 9.0.1

| Daily Emission Estimates for -> SMPs - Trail Connection Option 3 - Trail Portion | | | | | | | | | | | | | | |
|--|---------------|--------------|---------------|----------------------|------------------------|------------------------------|-----------------------|-------------------------|-------------------------------|---------------|---------------|---------------|---------------|----------------|
| Project Phases (Pounds) | ROG (lbs/day) | CO (lbs/day) | NOx (lbs/day) | Total PM10 (lbs/day) | Exhaust PM10 (lbs/day) | Fugitive Dust PM10 (lbs/day) | Total PM2.5 (lbs/day) | Exhaust PM2.5 (lbs/day) | Fugitive Dust PM2.5 (lbs/day) | SOx (lbs/day) | CO2 (lbs/day) | CH4 (lbs/day) | N2O (lbs/day) | CO2e (lbs/day) |
| Grubbing/Land Clearing | 0.71 | 11.46 | 3.98 | 200.21 | 0.21 | 200.00 | 41.78 | 0.18 | 41.60 | 0.02 | 1,949.37 | 0.58 | 0.02 | 1,969.72 |
| Grading/Excavation | 3.50 | 53.46 | 20.54 | 201.06 | 1.06 | 200.00 | 42.53 | 0.93 | 41.60 | 0.10 | 9,529.66 | 2.86 | 0.11 | 9,634.62 |
| Drainage/Utilities/Sub-Grade | 2.30 | 32.19 | 15.27 | 200.78 | 0.78 | 200.00 | 42.32 | 0.72 | 41.60 | 0.06 | 5,451.04 | 1.18 | 0.05 | 5,496.33 |
| Paving | 1.24 | 17.07 | 11.75 | 0.63 | 0.63 | 0.00 | 0.56 | 0.56 | 0.00 | 0.03 | 2,595.08 | 0.74 | 0.03 | 2,621.99 |
| Maximum (pounds/day) | 3.50 | 53.46 | 20.54 | 201.06 | 1.06 | 200.00 | 42.53 | 0.93 | 41.60 | 0.10 | 9,529.66 | 2.86 | 0.11 | 9,634.62 |
| Total (tons/construction project) | 0.03 | 0.40 | 0.17 | 1.88 | 0.01 | 1.87 | 0.40 | 0.01 | 0.39 | 0.00 | 69.34 | 0.02 | 0.00 | 70.05 |

Notes: Project Start Year -> 2023
 Project Length (months) -> 1
 Total Project Area (acres) -> 0
 Maximum Area Disturbed/Day (acres) -> 0
 Water Truck Used? -> No

| Phase | Total Material Imported/Exported Volume (yd ³ /day) | | Daily VMT (miles/day) | | | |
|------------------------------|--|---------|-----------------------|-----------------|----------------|-------------|
| | Soil | Asphalt | Soil Hauling | Asphalt Hauling | Worker Commute | Water Truck |
| Grubbing/Land Clearing | 0 | 0 | 0 | 0 | 200 | 0 |
| Grading/Excavation | 20 | 0 | 30 | 0 | 800 | 0 |
| Drainage/Utilities/Sub-Grade | 0 | 0 | 0 | 0 | 560 | 0 |
| Paving | 0 | 0 | 0 | 0 | 400 | 0 |

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.
 Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.
 CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

| Total Emission Estimates by Phase for -> SMPs - Trail Connection Option 3 - Trail Portion | | | | | | | | | | | | | | |
|---|------------------|-----------------|------------------|-------------------------|---------------------------|---------------------------------|--------------------------|----------------------------|----------------------------------|------------------|------------------|------------------|------------------|-----------------|
| Project Phases (Tons for all except CO2e. Metric tonnes for CO2e) | ROG (tons/phase) | CO (tons/phase) | NOx (tons/phase) | Total PM10 (tons/phase) | Exhaust PM10 (tons/phase) | Fugitive Dust PM10 (tons/phase) | Total PM2.5 (tons/phase) | Exhaust PM2.5 (tons/phase) | Fugitive Dust PM2.5 (tons/phase) | SOx (tons/phase) | CO2 (tons/phase) | CH4 (tons/phase) | N2O (tons/phase) | CO2e (MT/phase) |
| Grubbing/Land Clearing | 0.00 | 0.01 | 0.00 | 0.22 | 0.00 | 0.22 | 0.05 | 0.00 | 0.05 | 0.00 | 2.14 | 0.00 | 0.00 | 1.97 |
| Grading/Excavation | 0.02 | 0.24 | 0.09 | 0.88 | 0.00 | 0.88 | 0.19 | 0.00 | 0.18 | 0.00 | 41.93 | 0.01 | 0.00 | 38.46 |
| Drainage/Utilities/Sub-Grade | 0.01 | 0.12 | 0.06 | 0.77 | 0.00 | 0.77 | 0.16 | 0.00 | 0.16 | 0.00 | 20.99 | 0.00 | 0.00 | 19.20 |
| Paving | 0.00 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.28 | 0.00 | 0.00 | 3.92 |
| Maximum (tons/phase) | 0.02 | 0.24 | 0.09 | 0.88 | 0.00 | 0.88 | 0.19 | 0.00 | 0.18 | 0.00 | 41.93 | 0.01 | 0.00 | 38.46 |
| Total (tons/construction project) | 0.03 | 0.40 | 0.17 | 1.88 | 0.01 | 1.87 | 0.40 | 0.01 | 0.39 | 0.00 | 69.34 | 0.02 | 0.00 | 63.55 |

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.
 Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.
 CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.
 The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model
Data Entry Worksheet

Version 9.0.1

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

Input Type

Project Name

Construction Start Year

Project Type

Project Construction Time
Working Days per Month

Predominant Soil/Site Type: Enter 1, 2, or 3
(for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)

Project Length

Total Project Area

Maximum Area Disturbed/Day

Water Trucks Used?

| | |
|--|--|
| SMPs Project - Trail Option 3 - Bridge Portion | |
| 2023 | |
| 3 | |
| 3.00 | |
| 22.00 | |
| 1 | |
| 0.03 | |
| 0.03 | |
| 0.03 | |
| 2 | |

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

Enter a Year between 2014 and 2040 (inclusive)

- 1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway
- 2) Road Widening : Project to add a new lane to an existing roadway
- 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane
- 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction

months
days (assume 22 if unknown)

- 1) Sand Gravel : Use for quaternary deposits (Delta/West County)
- 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the lone formation (Scott Road, Rancho Murieta)
- 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)

miles
acres
acres

1. Yes
2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County. NEW LINK 8-2-2022.

<https://maps.conservation.ca.gov/cgs/gmc/>

Material Hauling Quantity Input

| Material Type | Phase | Haul Truck Capacity (yd ³) (assume 20 if unknown) | Import Volume (yd ³ /day) | Export Volume (yd ³ /day) |
|---------------|------------------------------|---|--------------------------------------|--------------------------------------|
| Soil | Grubbing/Land Clearing | | | |
| | Grading/Excavation | | | |
| | Drainage/Utilities/Sub-Grade | | | |
| | Paving | | | |
| Asphalt | Grubbing/Land Clearing | | | |
| | Grading/Excavation | | | |
| | Drainage/Utilities/Sub-Grade | | | |
| | Paving | | | |

Mitigation Options

| | | |
|---|--|--|
| On-road Fleet Emissions Mitigation | | |
| Off-road Equipment Emissions Mitigation | Tier 4 Equipment | Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer Select "20% NCx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAGMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/Businesses/CEQA-Land-Use-Planning/Mitigation). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard |
| Will all off-road equipment be tier 4? | Tier 4 equipment for limited equipment types | |

If "Tier 4 equipment for limited equipment types" is selected, please provide tier information for each equipment type in cells from E183 to E379 below.

The remaining sections of this sheet contain areas that can be modified by the user, although those modifications are optional.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

| Construction Periods | User Override of Construction Months | Program Calculated Months | User Override of Phase Starting Date | Program Default Phase Starting Date |
|------------------------------|--------------------------------------|---------------------------|--------------------------------------|-------------------------------------|
| Grubbing/Land Clearing | 0.30 | 0.30 | 7/1/2023 | 1/1/2023 |
| Grading/Excavation | 2.70 | 1.20 | 7/15/2023 | 1/1/2023 |
| Drainage/Utilities/Sub-Grade | 0.00 | 1.05 | | 4/4/2023 |
| Paving | 0.00 | 0.45 | | 4/4/2023 |
| Totals (Months) | | 3 | | |

Note: You have entered a non-default starting date. Please provide starting date for all phases, or default values for other phases will be used.

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

| Soil Hauling Emissions | User Override of Miles/Round Trip | Program Estimate of Miles/Round Trip | User Override of Truck Round Trips/Day | Default Values Round Trips/Day | Calculated Daily VMT | | | | | |
|---|-----------------------------------|--------------------------------------|--|--------------------------------|----------------------|------------|------------|------------|------------|-------------|
| User Input | | | | | | | | | | |
| Miles/round trip: Grubbing/Land Clearing | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Grading/Excavation | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Drainage/Utilities/Sub-Grade | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Paving | | 30.00 | | 0 | 0.00 | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Grubbing/Land Clearing (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grading/Excavation (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Drainage/Utilities/Sub-Grade (grams/mile) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/mile) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Drainage/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total tons per construction project | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Note: Asphalt Hauling emission default values can be overridden in cells D91 through D94, and F91 through F94.

| Asphalt Hauling Emissions | User Override of Miles/Round Trip | Program Estimate of Miles/Round Trip | User Override of Truck Round Trips/Day | Default Values Round Trips/Day | Calculated Daily VMT | | | | | |
|---|-----------------------------------|--------------------------------------|--|--------------------------------|----------------------|------------|------------|------------|------------|-------------|
| User Input | | | | | | | | | | |
| Miles/round trip: Grubbing/Land Clearing | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Grading/Excavation | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Drainage/Utilities/Sub-Grade | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Paving | | 30.00 | | 0 | 0.00 | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Grubbing/Land Clearing (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grading/Excavation (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Drainage/Utilities/Sub-Grade (grams/mile) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/mile) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Drainage/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total tons per construction project | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Note: Worker commute default values can be overridden in cells D121 through D126.

| Worker Commute Emissions | | | | | | | | | | | | | | | |
|---|--|------|----------------|------|------------------------|----------------------|------|------|--------|------|----------|--------|-----|-----|-----|
| User Input | User Override of Worker Commute Default Values | | Default Values | | Calculated Daily Trips | Calculated Daily VMT | | | | | | | | | |
| | | | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O |
| Miles/ one-way trip | | 20 | | | | | | | | | | | | | |
| One-way trips/day | | 2 | | | | | | | | | | | | | |
| No. of employees: Grubbing/Land Clearing | | 5 | | | 10 | | | | | | 200.00 | | | | |
| No. of employees: Grading/Excavation | | 28 | | | 56 | | | | | | 1,120.00 | | | | |
| No. of employees: Drainage/Utilities/Sub-Grade | | 18 | | | 36 | | | | | | 720.00 | | | | |
| No. of employees: Paving | | 8 | | | 16 | | | | | | 320.00 | | | | |
| Emission Rates | | | | | | | | | | | | | | | |
| Grubbing/Land Clearing (grams/mile) | | 0.02 | | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | | | |
| Grading/Excavation (grams/mile) | | 0.02 | | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | | | |
| Draining/Utilities/Sub-Grade (grams/mile) | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| Paving (grams/mile) | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| Grubbing/Land Clearing (grams/trip) | | 1.04 | | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | | | |
| Grading/Excavation (grams/trip) | | 1.04 | | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | | | |
| Draining/Utilities/Sub-Grade (grams/trip) | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| Paving (grams/trip) | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| Emissions | | | | | | | | | | | | | | | |
| Pounds per day - Grubbing/Land Clearing | | 0.03 | | 0.46 | 0.04 | 0.02 | 0.01 | 0.00 | 141.57 | 0.00 | 0.00 | 142.71 | | | |
| Tons per const. Period - Grubbing/Land Clearing | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.47 | | | |
| Pounds per day - Grading/Excavation | | 0.17 | | 2.59 | 0.22 | 0.11 | 0.05 | 0.01 | 792.79 | 0.02 | 0.02 | 799.17 | | | |
| Tons per const. Period - Grading/Excavation | | 0.00 | | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 23.55 | 0.00 | 0.00 | 23.74 | | | |
| Pounds per day - Drainage/Utilities/Sub-Grade | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| Pounds per day - Paving | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| Tons per const. Period - Paving | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| Total tons per construction project | | 0.01 | | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 24.01 | 0.00 | 0.00 | 24.21 | | | |

Note: Water Truck default values can be overridden in cells D153 through D156, I153 through I156, and F153 through F156.

| Water Truck Emissions | | | | | | | | | | | | | | | |
|---|---|--|--|--|----------------------|-----------------------------------|---------------------------------|----------------------|------|----------|------|------|-------|-----|-----|
| User Input | User Override of Default # Water Trucks | Program Estimate of Number of Water Trucks | User Override of Truck Round Trips/Vehicle/Day | Default Values Round Trips/Vehicle/Day | Calculated Trips/day | User Override of Miles/Round Trip | Default Values Miles/Round Trip | Calculated Daily VMT | | | | | | | |
| | | | | | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 |
| Grubbing/Land Clearing - Exhaust | | 0 | | 5 | 0 | | 8.00 | 0.00 | | | | | | | |
| Grading/Excavation - Exhaust | | 0 | | 5 | 0 | | 8.00 | 0.00 | | | | | | | |
| Drainage/Utilities/Subgrade | | 0 | | 5 | 0 | | 8.00 | 0.00 | | | | | | | |
| Paving | | 0 | | 5 | 0 | | 8.00 | 0.00 | | | | | | | |
| Emission Rates | | | | | | | | | | | | | | | |
| Grubbing/Land Clearing (grams/mile) | | 0.03 | | 2.98 | 0.11 | 0.05 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | |
| Grading/Excavation (grams/mile) | | 0.03 | | 2.98 | 0.11 | 0.05 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | |
| Draining/Utilities/Sub-Grade (grams/mile) | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| Paving (grams/mile) | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| Grubbing/Land Clearing (grams/trip) | | 0.00 | | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| Grading/Excavation (grams/trip) | | 0.00 | | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| Draining/Utilities/Sub-Grade (grams/trip) | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| Paving (grams/trip) | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| Emissions | | | | | | | | | | | | | | | |
| Pounds per day - Grubbing/Land Clearing | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| Tons per const. Period - Grubbing/Land Clearing | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| Pounds per day - Grading/Excavation | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| Tons per const. Period - Grading/Excavation | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| Pounds per day - Drainage/Utilities/Sub-Grade | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| Pounds per day - Paving | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| Tons per const. Period - Paving | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| Total tons per construction project | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |

Note: Fugitive dust default values can be overridden in cells D183 through D185.

| Fugitive Dust | User Override of Max Acreage Disturbed/Day | Default Maximum Acreage/Day | PM10 | PM10 | PM2.5 | PM2.5 |
|---|--|-----------------------------|------------|-------------|------------|-------------|
| | | | pounds/day | tons/period | pounds/day | tons/period |
| Fugitive Dust - Grubbing/Land Clearing | | 0.03 | 0.60 | 0.00 | 0.12 | 0.00 |
| Fugitive Dust - Grading/Excavation | | 0.03 | 0.60 | 0.02 | 0.12 | 0.00 |
| Fugitive Dust - Drainage/Utilities/Subgrade | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Values in cells E232 through E236, E283 through E287, E334 through E338, and E385 through E389 are required when non-default Equipment are used and they are not all Tier 4

| Off-Road Equipment Emissions | | | | | | | | | | | | |
|--|--|---|--------------------|---------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Grubbing/Land Clearing | Default | Mitigation Option | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | |
| | Number of Vehicles | Override of | Current | | | | | | | | | |
| Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | |
| | | Model Default Tier | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | Tier 4 | Tier 4 | Crawler Tractors | 0.24 | 4.18 | 0.48 | 0.02 | 0.02 | 0.01 | 758.27 | |
| | | Model Default Tier | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1.00 | 2 | Model Default Tier | Model Default Tier | Excavators | 0.19 | 3.26 | 1.55 | 0.08 | 0.07 | 0.01 | 500.11 | |
| | | Model Default Tier | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | Model Default Tier | Model Default Tier | Signal Boards | 0.06 | 0.30 | 0.36 | 0.01 | 0.01 | 0.00 | 49.31 | |
| | | Model Default Tier | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Tractors/Loaders/Backhoes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| User-Defined Off-road Equipment | If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | Type | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| 0.00 | | Equipment Tier | | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Grubbing/Land Clearing | | | pounds per day | 0.49 | 7.74 | 2.39 | 0.11 | 0.11 | 0.01 | 1,307.69 | 0.41 |
| | Grubbing/Land Clearing | | | tons per phase | 0.00 | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | 4.32 | 0.00 |

| Grading/Excavation | Default | | Mitigation Option | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | |
|--|--|---|--------------------|--------------------|---------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | Number of Vehicles | Override of | Current | Current | | | | | | | | | |
| Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | Model Default Tier | Model Default Tier | Model Default Tier | Cranes | 0.35 | 1.83 | 3.82 | 0.16 | 0.15 | 0.01 | 558.82 | |
| 0.00 | | Tier 4 | Tier 4 | Tier 4 | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2.00 | | Model Default Tier | Model Default Tier | Model Default Tier | Excavators | 0.38 | 6.52 | 3.10 | 0.15 | 0.14 | 0.01 | 1,000.21 | |
| | 4 | Model Default Tier | Model Default Tier | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1.00 | | Tier 4 | Tier 4 | Tier 4 | Graders | 0.20 | 3.52 | 0.41 | 0.02 | 0.02 | 0.01 | 640.86 | |
| | 2 | Model Default Tier | Model Default Tier | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2.00 | | Model Default Tier | Model Default Tier | Model Default Tier | Rollers | 0.31 | 3.70 | 3.22 | 0.18 | 0.16 | 0.01 | 508.22 | |
| | 3 | Model Default Tier | Model Default Tier | Model Default Tier | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2.00 | | Model Default Tier | Model Default Tier | Model Default Tier | Rubber Tired Loaders | 0.54 | 3.02 | 5.31 | 0.18 | 0.16 | 0.01 | 1,211.12 | |
| 0.00 | | Tier 4 | Tier 4 | Tier 4 | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | Model Default Tier | Model Default Tier | Model Default Tier | Signal Boards | 0.06 | 0.30 | 0.36 | 0.01 | 0.01 | 0.00 | 49.31 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 2 | Model Default Tier | Model Default Tier | Model Default Tier | Tractors/Loaders/Backhoes | 0.30 | 4.46 | 3.07 | 0.15 | 0.14 | 0.01 | 603.15 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Model Default Tier | Model Default Tier | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| User-Defined Off-road Equipment | | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| Number of Vehicles | | | | | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| 0.00 | If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | Equipment Tier | Type | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Grading/Excavation | pounds per day | | | | 2.14 | 23.35 | 19.28 | 0.85 | 0.79 | 0.05 | 4,571.69 | 1.47 |
| | Grading/Excavation | tons per phase | | | | 0.06 | 0.69 | 0.57 | 0.03 | 0.02 | 0.00 | 135.78 | 0.04 |

| Drainage/Utilities/Subgrade | Default | | Mitigation Option | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
|--|--|--------------------|---|---------------------------------|----------------|------------|------------|------------|------------|------------|------------|------------|
| | Number of Vehicles | Override of | Current | | | | | | | | | |
| | Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | | | | | | | | |
| | | Model Default Tier | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | Model Default Tier | Model Default Tier | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Model Default Tier | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Model Default Tier | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Model Default Tier | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Model Default Tier | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Model Default Tier | Model Default Tier | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Model Default Tier | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Model Default Tier | Model Default Tier | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Model Default Tier | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | Model Default Tier | Model Default Tier | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 2 | Model Default Tier | Model Default Tier | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Model Default Tier | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Model Default Tier | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Model Default Tier | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Model Default Tier | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Model Default Tier | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Model Default Tier | Model Default Tier | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Model Default Tier | Model Default Tier | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | Model Default Tier | Model Default Tier | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Model Default Tier | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | Model Default Tier | Model Default Tier | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Model Default Tier | Model Default Tier | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | Model Default Tier | Model Default Tier | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Model Default Tier | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Model Default Tier | Model Default Tier | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 4 | Tier 4 | Tier 4 | Scrapers | 1.86 | 32.31 | 3.73 | 0.19 | 0.17 | 0.00 | 0.00 | 0.00 |
| | 1 | Model Default Tier | Model Default Tier | Signal Boards | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Model Default Tier | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Model Default Tier | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Model Default Tier | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 2 | Model Default Tier | Model Default Tier | Tractors/Loaders/Backhoes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Model Default Tier | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Model Default Tier | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User-Defined Off-road Equipment | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| Number of Vehicles | | Equipment Tier | Type | | | | | | | | | |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Drainage/Utilities/Sub-Grade | | | | | pounds per day | 1.86 | 32.31 | 3.73 | 0.19 | 0.17 | 0.00 | 0.00 |
| Drainage/Utilities/Sub-Grade | | | | | tons per phase | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Paving | Default | | Mitigation Option | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | |
|--|---|------------------|---|--------------------|---------------------------------|-------------|-------------|-------------|-------------|-------------|---------------|-------------|-----|
| | Number of Vehicles | Override of | Current | | | | | | | | | | |
| | Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | |
| | | | Model Default Tier | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Model Default Tier | Model Default Tier | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Model Default Tier | Model Default Tier | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | Model Default Tier | Model Default Tier | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 1 | Model Default Tier | Model Default Tier | Signal Boards | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 2 | Model Default Tier | Model Default Tier | Tractors/Loaders/Backhoes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | Model Default Tier | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| User-Defined Off-road Equipment | If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| | Number of Vehicles | | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | Paving | | | pounds per day | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | Paving | | | tons per phase | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Total Emissions all Phases (tons per construction period) => | | | | | 0.07 | 0.72 | 0.58 | 0.03 | 0.02 | 0.00 | 140.09 | 0.04 | |

| N2O | CO2e |
|------------|------------|
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 564.84 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,010.99 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 647.76 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 513.69 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,224.20 |
| 0.00 | 0.00 |
| 0.00 | 49.56 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 609.64 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| <hr/> | |
| N2O | CO2e |
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.04 | 4,620.70 |
| 0.00 | 137.23 |

Equipment default values for horsepower and hours/day can be overridden in cells D403 through D436 and F403 through F436.

| Equipment | User Override of Horsepower | Default Values Horsepower | User Override of Hours/day | Default Values Hours/day |
|------------------------------------|--------------------------------|------------------------------|-------------------------------|-----------------------------|
| Aerial Lifts | | 63 | | 8 |
| Air Compressors | | 78 | | 8 |
| Bore/Drill Rigs | | 221 | | 8 |
| Cement and Mortar Mixers | | 9 | | 8 |
| Concrete/Industrial Saws | | 81 | | 8 |
| Cranes | | 231 | | 8 |
| Crawler Tractors | | 212 | | 8 |
| Crushing/Proc. Equipment | | 85 | | 8 |
| Excavators | | 158 | | 8 |
| Forklifts | | 89 | | 8 |
| Generator Sets | | 84 | | 8 |
| Graders | | 187 | | 8 |
| Off-Highway Tractors | | 124 | | 8 |
| Off-Highway Trucks | | 402 | | 8 |
| Other Construction Equipment | | 172 | | 8 |
| Other General Industrial Equipment | | 88 | | 8 |
| Other Material Handling Equipment | | 168 | | 8 |
| Pavers | | 130 | | 8 |
| Paving Equipment | | 132 | | 8 |
| Plate Compactors | | 8 | | 8 |
| Pressure Washers | | 13 | | 8 |
| Pumps | | 84 | | 8 |
| Rollers | | 80 | | 8 |
| Rough Terrain Forklifts | | 100 | | 8 |
| Rubber Tired Dozers | | 247 | | 8 |
| Rubber Tired Loaders | | 203 | | 8 |
| Scrapers | | 367 | | 8 |
| Signal Boards | | 6 | | 8 |
| Skid Steer Loaders | | 65 | | 8 |
| Surfacing Equipment | | 263 | | 8 |
| Sweepers/Scrubbers | | 64 | | 8 |
| Tractors/Loaders/Backhoes | | 97 | | 8 |
| Trenchers | | 78 | | 8 |
| Welders | | 46 | | 8 |

END OF DATA ENTRY SHEET

Road Construction Emissions Model, Version 9.0.1

| Daily Emission Estimates for -> SMPs Project - Trail Option 3 - Bridge Portion | | | | | | | | | | | | | | |
|--|---------------|--------------|---------------|----------------|------------------------|------------------------------|-----------------------|-------------------------|-------------------------------|---------------|---------------|---------------|---------------|----------------|
| Project Phases (Pounds) | ROG (lbs/day) | CO (lbs/day) | NOx (lbs/day) | PM10 (lbs/day) | Exhaust PM10 (lbs/day) | Fugitive Dust PM10 (lbs/day) | Total PM2.5 (lbs/day) | Exhaust PM2.5 (lbs/day) | Fugitive Dust PM2.5 (lbs/day) | SOx (lbs/day) | CO2 (lbs/day) | CH4 (lbs/day) | N2O (lbs/day) | CO2e (lbs/day) |
| Grubbing/Land Clearing | 0.52 | 8.20 | 2.43 | 0.73 | 0.13 | 0.60 | 0.24 | 0.11 | 0.12 | 0.02 | 1,449.26 | 0.42 | 0.02 | 1,464.22 |
| Grading/Excavation | 2.31 | 25.95 | 19.49 | 1.57 | 0.97 | 0.60 | 0.96 | 0.83 | 0.12 | 0.06 | 5,364.48 | 1.49 | 0.06 | 5,419.87 |
| Drainage/Utilities/Sub-Grade | 1.86 | 32.31 | 3.73 | 0.19 | 0.19 | 0.00 | 0.17 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum (pounds/day) | 2.31 | 32.31 | 19.49 | 1.57 | 0.97 | 0.60 | 0.96 | 0.83 | 0.12 | 0.06 | 5,364.48 | 1.49 | 0.06 | 5,419.87 |
| Total (tons/construction project) | 0.07 | 0.80 | 0.59 | 0.05 | 0.03 | 0.02 | 0.03 | 0.03 | 0.00 | 0.00 | 164.11 | 0.05 | 0.00 | 165.80 |

Notes: Project Start Year -> 2023
 Project Length (months) -> 3
 Total Project Area (acres) -> 0
 Maximum Area Disturbed/Day (acres) -> 0
 Water Truck Used? -> No

| Phase | Total Material Imported/Exported Volume (yd ³ /day) | | Daily VMT (miles/day) | | | |
|------------------------------|--|---------|-----------------------|-----------------|----------------|-------------|
| | Soil | Asphalt | Soil Hauling | Asphalt Hauling | Worker Commute | Water Truck |
| Grubbing/Land Clearing | 0 | 0 | 0 | 0 | 200 | 0 |
| Grading/Excavation | 0 | 0 | 0 | 0 | 1,120 | 0 |
| Drainage/Utilities/Sub-Grade | 0 | 0 | 0 | 0 | 720 | 0 |
| Paving | 0 | 0 | 0 | 0 | 320 | 0 |


PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.
 Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.
 CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

| Total Emission Estimates by Phase for -> SMPs Project - Trail Option 3 - Bridge Portion | | | | | | | | | | | | | | |
|---|------------------|-----------------|------------------|-------------------|---------------------------|---------------------------------|--------------------------|----------------------------|----------------------------------|------------------|------------------|------------------|------------------|-----------------|
| Project Phases (Tons for all except CO2e. Metric tonnes for CO2e) | ROG (tons/phase) | CO (tons/phase) | NOx (tons/phase) | PM10 (tons/phase) | Exhaust PM10 (tons/phase) | Fugitive Dust PM10 (tons/phase) | Total PM2.5 (tons/phase) | Exhaust PM2.5 (tons/phase) | Fugitive Dust PM2.5 (tons/phase) | SOx (tons/phase) | CO2 (tons/phase) | CH4 (tons/phase) | N2O (tons/phase) | CO2e (MT/phase) |
| Grubbing/Land Clearing | 0.00 | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.78 | 0.00 | 0.00 | 4.38 |
| Grading/Excavation | 0.07 | 0.77 | 0.58 | 0.05 | 0.03 | 0.02 | 0.03 | 0.02 | 0.00 | 0.00 | 159.33 | 0.04 | 0.00 | 146.03 |
| Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum (tons/phase) | 0.07 | 0.77 | 0.58 | 0.05 | 0.03 | 0.02 | 0.03 | 0.02 | 0.00 | 0.00 | 159.33 | 0.04 | 0.00 | 146.03 |
| Total (tons/construction project) | 0.07 | 0.80 | 0.59 | 0.05 | 0.03 | 0.02 | 0.03 | 0.03 | 0.00 | 0.00 | 164.11 | 0.05 | 0.00 | 150.41 |

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.
 Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.
 CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.
 The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model
Data Entry Worksheet

Version 9.0.1



Note: Required data input sections have a yellow background.
 Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
 The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
 Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

Input Type

Project Name

Construction Start Year

Project Type

Project Construction Time Working Days per Month

Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)

Project Length

Total Project Area

Maximum Area Disturbed/Day

Water Trucks Used?

| |
|--|
| SMPs - Trail Connection Option 3 - Trail Portion |
| 2023 |
| 2 |
| 1.00 |
| 22.00 |
| 1 |
| 0.22 |
| 0.27 |
| 0.27 |
| 2 |

SMPs - Trail Connection Option 3 - Trail Portion

Enter a Year between 2014 and 2040 (inclusive)

- 1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway
- 2) Road Widening : Project to add a new lane to an existing roadway
- 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane
- 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction

month days (assume 22 if unknown)

- 1) Sand Gravel : Use for quaternary deposits (Delta/West County)
- 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the lone formation (Scott Road, Rancho Murieta)
- 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)

miles
acres
acres

1. Yes
2. No

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County. NEW LINK 8-2-2022.

<https://maps.conservation.ca.gov/cgs/gmc/>

Material Hauling Quantity Input

| Material Type | Phase | Haul Truck Capacity (yd ³) (assume 20 if unknown) | Import Volume (yd ³ /day) | Export Volume (yd ³ /day) |
|---------------|------------------------------|---|--------------------------------------|--------------------------------------|
| Soil | Grubbing/Land Clearing | | | |
| | Grading/Excavation | 20.00 | | 20.00 |
| | Drainage/Utilities/Sub-Grade | | | |
| | Paving | | | |
| Asphalt | Grubbing/Land Clearing | | | |
| | Grading/Excavation | | | |
| | Drainage/Utilities/Sub-Grade | | | |
| | Paving | | | |

Mitigation Options

On-road Fleet Emissions Mitigation

Off-road Equipment Emissions Mitigation

Will all off-road equipment be tier 4?

| |
|----------------------|
| Tier 4 Equipment |
| All Tier 4 Equipment |

Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer

Select "20% NCx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAGMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (<http://www.airquality.org/Businesses/CEQA-Land-Use-Planning/Mitigation>).

Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

The remaining sections of this sheet contain areas that can be modified by the user, although those modifications are optional.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

| Construction Periods | User Override of Construction Months | Program Calculated Months | User Override of Phase Starting Date | Program Default Phase Starting Date |
|------------------------------|--------------------------------------|---------------------------|--------------------------------------|-------------------------------------|
| Grubbing/Land Clearing | | 0.10 | | 1/1/2023 |
| Grading/Excavation | | 0.40 | | 1/5/2023 |
| Drainage/Utilities/Sub-Grade | | 0.35 | | 1/18/2023 |
| Paving | | 0.15 | | 1/29/2023 |
| Totals (Months) | 1 | | | |

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

| Soil Hauling Emissions | | User Override of Miles/Round Trip | Program Estimate of Miles/Round Trip | User Override of Truck Round Trips/Day | Default Values Round Trips/Day | Calculated Daily VMT | | | | |
|---|------------|-----------------------------------|--------------------------------------|--|--------------------------------|----------------------|------------|------------|------------|-------------|
| User Input | | | | | | | | | | |
| Miles/round trip: Grubbing/Land Clearing | | 30.00 | | 0 | | 0.00 | | | | |
| Miles/round trip: Grading/Excavation | | 30.00 | | 1 | | 30.00 | | | | |
| Miles/round trip: Drainage/Utilities/Sub-Grade | | 30.00 | | 0 | | 0.00 | | | | |
| Miles/round trip: Paving | | 30.00 | | 0 | | 0.00 | | | | |
| Emission Rates | | | | | | | | | | |
| | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Grubbing/Land Clearing (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grading/Excavation (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Paving (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling Emissions | | | | | | | | | | |
| | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.00 | 0.03 | 0.21 | 0.01 | 0.00 | 0.00 | 113.43 | 0.00 | 0.02 | 118.74 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.52 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total tons per construction project | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.52 |

Note: Asphalt Hauling emission default values can be overridden in cells D91 through D94, and F91 through F94.

| Asphalt Hauling Emissions | | User Override of Miles/Round Trip | Program Estimate of Miles/Round Trip | User Override of Truck Round Trips/Day | Default Values Round Trips/Day | Calculated Daily VMT | | | | |
|---|------------|-----------------------------------|--------------------------------------|--|--------------------------------|----------------------|------------|------------|------------|-------------|
| User Input | | | | | | | | | | |
| Miles/round trip: Grubbing/Land Clearing | | 30.00 | | 0 | | 0.00 | | | | |
| Miles/round trip: Grading/Excavation | | 30.00 | | 0 | | 0.00 | | | | |
| Miles/round trip: Drainage/Utilities/Sub-Grade | | 30.00 | | 0 | | 0.00 | | | | |
| Miles/round trip: Paving | | 30.00 | | 0 | | 0.00 | | | | |
| Emission Rates | | | | | | | | | | |
| | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Grubbing/Land Clearing (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grading/Excavation (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Paving (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Emissions | | | | | | | | | | |
| | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total tons per construction project | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Note: Worker commute default values can be overridden in cells D121 through D126.

| Worker Commute Emissions | | User Override of Worker Commute Default Values | | Default Values | | Calculated | | | | | |
|---|------------|--|------------|----------------|--------------|------------|------------|------------|------------|-------------|--|
| User Input | | | | Daily Trips | Daily VMT | | | | | | |
| Miles/ one-way trip | | | 20 | | | | | | | | |
| One-way trips/day | | | 2 | | | | | | | | |
| No. of employees: Grubbing/Land Clearing | | | 5 | 10 | 200.00 | | | | | | |
| No. of employees: Grading/Excavation | | | 20 | 40 | 800.00 | | | | | | |
| No. of employees: Drainage/Utilities/Sub-Grade | | | 14 | 28 | 560.00 | | | | | | |
| No. of employees: Paving | | | 10 | 20 | 400.00 | | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | |
| Grubbing/Land Clearing (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | |
| Grading/Excavation (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | |
| Paving (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | |
| Grubbing/Land Clearing (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | |
| Grading/Excavation (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | |
| Draining/Utilities/Sub-Grade (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | |
| Paving (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | |
| Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | |
| Pounds per day - Grubbing/Land Clearing | 0.03 | 0.46 | 0.04 | 0.02 | 0.01 | 0.00 | 141.57 | 0.00 | 0.00 | 142.71 | |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.16 | |
| Pounds per day - Grading/Excavation | 0.12 | 1.85 | 0.15 | 0.08 | 0.03 | 0.01 | 566.28 | 0.01 | 0.01 | 570.83 | |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 0.00 | 0.00 | 2.51 | |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.08 | 1.30 | 0.11 | 0.05 | 0.02 | 0.00 | 396.39 | 0.01 | 0.01 | 399.58 | |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.53 | 0.00 | 0.00 | 1.54 | |
| Pounds per day - Paving | 0.06 | 0.93 | 0.08 | 0.04 | 0.02 | 0.00 | 283.14 | 0.01 | 0.01 | 285.42 | |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.47 | |
| Total tons per construction project | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 4.64 | 0.00 | 0.00 | 4.68 | |

Note: Water Truck default values can be overridden in cells D153 through D156, I153 through I156, and F153 through F156.

| Water Truck Emissions | | User Override of Program Estimate of | | User Override of Truck | | Default Values | | Calculated | | User Override of | | Default Values | | Calculated | |
|---|------------|--------------------------------------|------------------------|-------------------------|-------------------------|----------------|------------------|------------------|------------|------------------|------------------|----------------|--|------------|--|
| User Input | | Default # Water Trucks | Number of Water Trucks | Round Trips/Vehicle/Day | Round Trips/Vehicle/Day | Trips/day | Miles/Round Trip | Miles/Round Trip | Daily VMT | | Miles/Round Trip | Daily VMT | | | |
| Grubbing/Land Clearing - Exhaust | | | 0 | | 5 | 0 | 8.00 | | 0.00 | | | | | | |
| Grading/Excavation - Exhaust | | | 0 | | 5 | 0 | 8.00 | | 0.00 | | | | | | |
| Drainage/Utilities/Subgrade | | | 0 | | 5 | 0 | 8.00 | | 0.00 | | | | | | |
| Paving | | | 0 | | 5 | 0 | 8.00 | | 0.00 | | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | | | | | |
| Grubbing/Land Clearing (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | |
| Grading/Excavation (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | |
| Paving (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Paving (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | | | | | |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Pounds per day - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Total tons per construction project | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |

Note: Fugitive dust default values can be overridden in cells D183 through D185.

| Fugitive Dust | | User Override of Max | | Default | | PM10 | | PM10 | | PM2.5 | | PM2.5 | |
|---|--|-----------------------|---------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | | Acreage Disturbed/Day | Maximum Acreage/Day | pounds/day | tons/period | pounds/day | tons/period | pounds/day | tons/period | pounds/day | tons/period | pounds/day | tons/period |
| Fugitive Dust - Grubbing/Land Clearing | | 10.00 | 0.27 | 200.00 | 0.22 | 41.60 | 0.05 | | | | | | |
| Fugitive Dust - Grading/Excavation | | 10.00 | 0.27 | 200.00 | 0.88 | 41.60 | 0.18 | | | | | | |
| Fugitive Dust - Drainage/Utilities/Subgrade | | 10.00 | 0.27 | 200.00 | 0.77 | 41.60 | 0.16 | | | | | | |

| Off-Road Equipment Emissions | | | | | | | | | | | | | |
|--|------------------------|---|-------------------------------|----------------|--|------------|------------|------------|------------|------------|------------|------------|--|
| Grubbing/Land Clearing | | Default Number of Vehicles | Mitigation Option Override of | Default | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | |
| Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | |
| | | | | Tier 4 | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | | Tier 4 | Crawler Tractors | 0.24 | 4.18 | 0.48 | 0.02 | 0.02 | 0.01 | 758.27 | |
| | | | | Tier 4 | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 2 | | | Tier 4 | Excavators | 0.32 | 7.84 | 0.64 | 0.03 | 0.03 | 0.01 | 1,000.21 | |
| | | | | Tier 4 | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | | Tier 4 | Signal Boards | 0.03 | 0.52 | 0.46 | 0.03 | 0.02 | 0.00 | 49.31 | |
| | | | | Tier 4 | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Tractors/Loaders/Backhoes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| User-Defined Off-road Equipment | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | |
| Number of Vehicles | | | | | If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | | | | |
| 0.00 | | | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | | | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | | | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | | | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | | | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | | | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | | | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | Grubbing/Land Clearing | | | | pounds per day | 0.58 | 12.54 | 1.58 | 0.08 | 0.08 | 0.02 | 1,807.80 | |
| | Grubbing/Land Clearing | | | | tons per phase | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | |

| Grading/Excavation | Default | | Mitigation Option | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | |
|--|--------------------|---|-------------------|----------------|---------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | Number of Vehicles | Override of | Default | Default | | | | | | | | | |
| Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | |
| | | | | Tier 4 | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 0 | | | Tier 4 | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | | Tier 4 | Crawler Tractors | 0.24 | 4.18 | 0.48 | 0.02 | 0.02 | 0.01 | 758.27 | |
| | | | | Tier 4 | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 3 | | | Tier 4 | Excavators | 0.48 | 11.75 | 0.95 | 0.05 | 0.04 | 0.02 | 1,500.32 | |
| | | | | Tier 4 | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 2 | | | Tier 4 | Graders | 0.41 | 7.03 | 0.81 | 0.04 | 0.04 | 0.01 | 1,281.71 | |
| | | | | Tier 4 | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 2 | | | Tier 4 | Rollers | 0.16 | 3.97 | 0.32 | 0.02 | 0.01 | 0.01 | 508.22 | |
| | | | | Tier 4 | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | | Tier 4 | Rubber Tired Loaders | 0.19 | 3.35 | 0.39 | 0.02 | 0.02 | 0.01 | 605.56 | |
| | 2 | | | Tier 4 | Scrapers | 0.93 | 16.16 | 1.86 | 0.09 | 0.09 | 0.03 | 2,940.26 | |
| | 1 | | | Tier 4 | Signal Boards | 0.03 | 0.52 | 0.46 | 0.03 | 0.02 | 0.00 | 49.31 | |
| | | | | Tier 4 | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 4 | | | Tier 4 | Tractors/Loaders/Backhoes | 0.38 | 9.37 | 0.76 | 0.04 | 0.03 | 0.01 | 1,206.31 | |
| | | | | Tier 4 | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| User-Defined Off-road Equipment | | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| Number of Vehicles | | | | | Equipment Tier | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| 0.00 | | | | | N/A | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | | | N/A | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | | | N/A | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | | | N/A | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | | | N/A | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | | | N/A | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | | | N/A | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | | | N/A | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation | | | | | pounds per day | 2.81 | 56.33 | 6.04 | 0.30 | 0.28 | 0.09 | 8,849.96 | 2.85 |
| Grading/Excavation | | | | | tons per phase | 0.01 | 0.25 | 0.03 | 0.00 | 0.00 | 0.00 | 38.94 | 0.01 |

| Drainage/Utilities/Subgrade | | | | Default | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
|--|------------------------------|---|----------------|---------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Default | Override of | Mitigation Option | Default | | | | | | | | | |
| Number of Vehicles | Override of | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | | | | | | | | | |
| Override of Default Number of Vehicles | Program-estimate | | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| | 1 | | Tier 4 | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Air Compressors | 0.10 | 2.44 | 0.20 | 0.01 | 0.01 | 0.00 | 375.26 | 0.02 |
| | | | Tier 4 | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Tier 4 | Generator Sets | 0.16 | 4.06 | 0.33 | 0.02 | 0.02 | 0.01 | 623.04 | 0.03 |
| | 1 | | Tier 4 | Graders | 0.20 | 3.52 | 0.41 | 0.02 | 0.02 | 0.01 | 640.86 | 0.21 |
| | | | Tier 4 | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Tier 4 | Plate Compactors | 0.02 | 0.36 | 0.32 | 0.02 | 0.02 | 0.00 | 34.48 | 0.00 |
| | | | Tier 4 | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Tier 4 | Pumps | 0.16 | 4.06 | 0.33 | 0.02 | 0.02 | 0.01 | 623.04 | 0.03 |
| | | | Tier 4 | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Tier 4 | Rough Terrain Forklifts | 0.11 | 2.61 | 0.21 | 0.01 | 0.01 | 0.00 | 333.80 | 0.11 |
| | | | Tier 4 | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Tier 4 | Scrapers | 0.47 | 8.08 | 0.93 | 0.05 | 0.04 | 0.02 | 1,470.13 | 0.48 |
| | 1 | | Tier 4 | Signal Boards | 0.03 | 0.52 | 0.46 | 0.03 | 0.02 | 0.00 | 49.31 | 0.01 |
| | | | Tier 4 | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 3 | | Tier 4 | Tractors/Loaders/Backhoes | 0.28 | 7.03 | 0.57 | 0.03 | 0.03 | 0.01 | 904.73 | 0.29 |
| | | | Tier 4 | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User-Defined Off-road Equipment | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| Number of Vehicles | | Equipment Tier | | | | | | | | | | |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Drainage/Utilities/Sub-Grade | | pounds per day | 1.53 | 32.67 | 3.76 | 0.19 | 0.18 | 0.05 | 5,054.65 | 1.17 | |
| | Drainage/Utilities/Sub-Grade | | tons per phase | 0.01 | 0.13 | 0.01 | 0.00 | 0.00 | 0.00 | 19.46 | 0.00 | |

| Paving | Default | | Mitigation Option | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
|--|--|------------------|---|---------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | Number of Vehicles | Override of | Default | Default | | | | | | | | |
| | Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | | | | | | | | |
| | | | Tier 4 | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Tier 4 | Pavers | 0.14 | 3.56 | 0.29 | 0.01 | 0.01 | 0.00 | 455.22 | 0.15 |
| | 1 | | Tier 4 | Paving Equipment | 0.13 | 3.10 | 0.25 | 0.01 | 0.01 | 0.00 | 394.47 | 0.13 |
| | | | Tier 4 | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 2 | | Tier 4 | Rollers | 0.16 | 3.97 | 0.32 | 0.02 | 0.01 | 0.01 | 508.22 | 0.16 |
| | | | Tier 4 | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Tier 4 | Signal Boards | 0.03 | 0.52 | 0.46 | 0.03 | 0.02 | 0.00 | 49.31 | 0.01 |
| | | | Tier 4 | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 3 | | Tier 4 | Tractors/Loaders/Backhoes | 0.28 | 7.03 | 0.57 | 0.03 | 0.03 | 0.01 | 904.73 | 0.29 |
| | | | Tier 4 | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User-Defined Off-road Equipment | | | | | | | | | | | | |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| Number of Vehicles | | Equipment Tier | Type | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Paving | | pounds per day | | 0.74 | 18.18 | 1.89 | 0.10 | 0.09 | 0.02 | 2,311.94 | 0.74 |
| | Paving | | tons per phase | | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 3.81 | 0.00 |
| Total Emissions all Phases (tons per construction period) => | | | | | 0.02 | 0.42 | 0.05 | 0.00 | 0.00 | 0.00 | 64.20 | 0.02 |

| N2O | CO2e |
|------------|------------|
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 766.45 |
| 0.00 | 0.00 |
| 0.01 | 1,516.49 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,295.52 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 513.69 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 612.10 |
| 0.03 | 2,971.94 |
| 0.00 | 49.56 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,219.29 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| <hr/> | |
| N2O | CO2e |
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.08 | 8,945.05 |
| 0.00 | 39.36 |

| N2O | CO2e |
|------------|------------|
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 376.67 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 625.12 |
| 0.01 | 647.76 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 34.65 |
| 0.00 | 0.00 |
| 0.00 | 625.14 |
| 0.00 | 0.00 |
| 0.00 | 337.40 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,485.97 |
| 0.00 | 49.56 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 914.46 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| <hr/> | |
| N2O | CO2e |
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| <hr/> | |
| 0.04 | 5,096.74 |
| 0.00 | 19.62 |

| N2O | CO2e |
|------------|------------|
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 460.13 |
| 0.00 | 396.72 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 513.69 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 49.56 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 914.46 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| <hr/> | |
| N2O | CO2e |
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| <hr/> | |
| 0.02 | 2,336.57 |
| 0.00 | 3.86 |
| <hr/> | |
| 0.00 | 64.85 |

Equipment default values for horsepower and hours/day can be overridden in cells D403 through D436 and F403 through F436.

| Equipment | User Override of Horsepower | Default Values Horsepower | User Override of Hours/day | Default Values Hours/day |
|------------------------------------|--------------------------------|------------------------------|-------------------------------|-----------------------------|
| Aerial Lifts | | 63 | | 8 |
| Air Compressors | | 78 | | 8 |
| Bore/Drill Rigs | | 221 | | 8 |
| Cement and Mortar Mixers | | 9 | | 8 |
| Concrete/Industrial Saws | | 81 | | 8 |
| Cranes | | 231 | | 8 |
| Crawler Tractors | | 212 | | 8 |
| Crushing/Proc. Equipment | | 85 | | 8 |
| Excavators | | 158 | | 8 |
| Forklifts | | 89 | | 8 |
| Generator Sets | | 84 | | 8 |
| Graders | | 187 | | 8 |
| Off-Highway Tractors | | 124 | | 8 |
| Off-Highway Trucks | | 402 | | 8 |
| Other Construction Equipment | | 172 | | 8 |
| Other General Industrial Equipment | | 88 | | 8 |
| Other Material Handling Equipment | | 168 | | 8 |
| Pavers | | 130 | | 8 |
| Paving Equipment | | 132 | | 8 |
| Plate Compactors | | 8 | | 8 |
| Pressure Washers | | 13 | | 8 |
| Pumps | | 84 | | 8 |
| Rollers | | 80 | | 8 |
| Rough Terrain Forklifts | | 100 | | 8 |
| Rubber Tired Dozers | | 247 | | 8 |
| Rubber Tired Loaders | | 203 | | 8 |
| Scrapers | | 367 | | 8 |
| Signal Boards | | 6 | | 8 |
| Skid Steer Loaders | | 65 | | 8 |
| Surfacing Equipment | | 263 | | 8 |
| Sweepers/Scrubbers | | 64 | | 8 |
| Tractors/Loaders/Backhoes | | 97 | | 8 |
| Trenchers | | 78 | | 8 |
| Welders | | 46 | | 8 |

END OF DATA ENTRY SHEET

Road Construction Emissions Model, Version 9.0.1

| Daily Emission Estimates for -> SMPs - Trail Connection Option 3 - Trail Portion | | | | | | | | | | | | | | |
|--|---------------|--------------|---------------|----------------------|------------------------|------------------------------|-----------------------|-------------------------|-------------------------------|---------------|---------------|---------------|---------------|----------------|
| Project Phases (Pounds) | ROG (lbs/day) | CO (lbs/day) | NOx (lbs/day) | Total PM10 (lbs/day) | Exhaust PM10 (lbs/day) | Fugitive Dust PM10 (lbs/day) | Total PM2.5 (lbs/day) | Exhaust PM2.5 (lbs/day) | Fugitive Dust PM2.5 (lbs/day) | SOx (lbs/day) | CO2 (lbs/day) | CH4 (lbs/day) | N2O (lbs/day) | CO2e (lbs/day) |
| Grubbing/Land Clearing | 0.61 | 13.00 | 1.62 | 200.10 | 0.10 | 200.00 | 41.68 | 0.08 | 41.60 | 0.02 | 1,949.37 | 0.58 | 0.02 | 1,969.72 |
| Grading/Excavation | 2.93 | 58.21 | 6.40 | 200.39 | 0.39 | 200.00 | 41.92 | 0.32 | 41.60 | 0.10 | 9,529.66 | 2.86 | 0.11 | 9,634.62 |
| Drainage/Utilities/Sub-Grade | 1.61 | 33.97 | 3.87 | 200.25 | 0.25 | 200.00 | 41.80 | 0.20 | 41.60 | 0.06 | 5,451.04 | 1.18 | 0.05 | 5,496.33 |
| Paving | 0.80 | 19.10 | 1.97 | 0.14 | 0.14 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03 | 2,595.08 | 0.74 | 0.03 | 2,621.99 |
| Maximum (pounds/day) | 2.93 | 58.21 | 6.40 | 200.39 | 0.39 | 200.00 | 41.92 | 0.32 | 41.60 | 0.10 | 9,529.66 | 2.86 | 0.11 | 9,634.62 |
| Total (tons/construction project) | 0.02 | 0.43 | 0.05 | 1.87 | 0.00 | 1.87 | 0.39 | 0.00 | 0.39 | 0.00 | 69.34 | 0.02 | 0.00 | 70.05 |

Notes: Project Start Year -> 2023
 Project Length (months) -> 1
 Total Project Area (acres) -> 0
 Maximum Area Disturbed/Day (acres) -> 0
 Water Truck Used? -> No

| Phase | Total Material Imported/Exported Volume (yd ³ /day) | | Daily VMT (miles/day) | | | |
|------------------------------|--|---------|-----------------------|-----------------|----------------|-------------|
| | Soil | Asphalt | Soil Hauling | Asphalt Hauling | Worker Commute | Water Truck |
| Grubbing/Land Clearing | 0 | 0 | 0 | 0 | 200 | 0 |
| Grading/Excavation | 20 | 0 | 30 | 0 | 800 | 0 |
| Drainage/Utilities/Sub-Grade | 0 | 0 | 0 | 0 | 560 | 0 |
| Paving | 0 | 0 | 0 | 0 | 400 | 0 |


PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.
 Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.
 CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

| Total Emission Estimates by Phase for -> SMPs - Trail Connection Option 3 - Trail Portion | | | | | | | | | | | | | | |
|---|------------------|-----------------|------------------|-------------------------|---------------------------|---------------------------------|--------------------------|----------------------------|----------------------------------|------------------|------------------|------------------|------------------|-----------------|
| Project Phases (Tons for all except CO2e. Metric tonnes for CO2e) | ROG (tons/phase) | CO (tons/phase) | NOx (tons/phase) | Total PM10 (tons/phase) | Exhaust PM10 (tons/phase) | Fugitive Dust PM10 (tons/phase) | Total PM2.5 (tons/phase) | Exhaust PM2.5 (tons/phase) | Fugitive Dust PM2.5 (tons/phase) | SOx (tons/phase) | CO2 (tons/phase) | CH4 (tons/phase) | N2O (tons/phase) | CO2e (MT/phase) |
| Grubbing/Land Clearing | 0.00 | 0.01 | 0.00 | 0.22 | 0.00 | 0.22 | 0.05 | 0.00 | 0.05 | 0.00 | 2.14 | 0.00 | 0.00 | 1.97 |
| Grading/Excavation | 0.01 | 0.26 | 0.03 | 0.88 | 0.00 | 0.88 | 0.18 | 0.00 | 0.18 | 0.00 | 41.93 | 0.01 | 0.00 | 38.46 |
| Drainage/Utilities/Sub-Grade | 0.01 | 0.13 | 0.01 | 0.77 | 0.00 | 0.77 | 0.16 | 0.00 | 0.16 | 0.00 | 20.99 | 0.00 | 0.00 | 19.20 |
| Paving | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.28 | 0.00 | 0.00 | 3.92 |
| Maximum (tons/phase) | 0.01 | 0.26 | 0.03 | 0.88 | 0.00 | 0.88 | 0.18 | 0.00 | 0.18 | 0.00 | 41.93 | 0.01 | 0.00 | 38.46 |
| Total (tons/construction project) | 0.02 | 0.43 | 0.05 | 1.87 | 0.00 | 1.87 | 0.39 | 0.00 | 0.39 | 0.00 | 69.34 | 0.02 | 0.00 | 63.55 |

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.
 Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.
 CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.
 The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model
Data Entry Worksheet

Version 9.0.1



Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

Input Type

| | | |
|--|--|--|
| Project Name | SMPs Project - Trail Option 3 - Bridge Portion | |
| Construction Start Year | 2023 | Enter a Year between 2014 and 2040 (inclusive) |
| Project Type | 3 | 1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction |
| Project Construction Time | 3.00 | months |
| Working Days per Month | 22.00 | days (assume 22 if unknown) |
| Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22) | 1 | 1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the lone formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta) |
| Project Length | 0.03 | miles |
| Total Project Area | 0.03 | acres |
| Maximum Area Disturbed/Day | 0.03 | acres |
| Water Trucks Used? | 2 | 1. Yes 2. No |

Material Hauling Quantity Input

| Material Type | Phase | Haul Truck Capacity (yd ³) (assume 20 if unknown) | Import Volume (yd ³ /day) | Export Volume (yd ³ /day) |
|---------------|------------------------------|---|--------------------------------------|--------------------------------------|
| Soil | Grubbing/Land Clearing | | | |
| | Grading/Excavation | | | |
| | Drainage/Utilities/Sub-Grade | | | |
| | Paving | | | |
| Asphalt | Grubbing/Land Clearing | | | |
| | Grading/Excavation | | | |
| | Drainage/Utilities/Sub-Grade | | | |
| | Paving | | | |

Mitigation Options

| | | |
|---|----------------------|--|
| On-road Fleet Emissions Mitigation | | Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer Select "20% NCx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAGMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/Businesses/CEQA-Land-Use-Planning/Mitigation). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard |
| Off-road Equipment Emissions Mitigation | Tier 4 Equipment | |
| Will all off-road equipment be tier 4? | All Tier 4 Equipment | |

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County. NEW LINK 8-2-2022.

<https://maps.conservation.ca.gov/cgs/gmc/>

The remaining sections of this sheet contain areas that can be modified by the user, although those modifications are optional.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

| Construction Periods | User Override of Construction Months | Program Calculated Months | User Override of Phase Starting Date | Program Default Phase Starting Date |
|------------------------------|--------------------------------------|---------------------------|--------------------------------------|-------------------------------------|
| Grubbing/Land Clearing | 0.30 | 0.30 | 7/1/2023 | 1/1/2023 |
| Grading/Excavation | 2.70 | 1.20 | 7/15/2023 | 1/1/2023 |
| Drainage/Utilities/Sub-Grade | 0.00 | 1.05 | | 4/4/2023 |
| Paving | 0.00 | 0.45 | | 4/4/2023 |
| Totals (Months) | | 3 | | |

Note: You have entered a non-default starting date. Please provide starting date for all phases, or default values for other phases will be used.

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

| Soil Hauling Emissions | User Override of Miles/Round Trip | Program Estimate of Miles/Round Trip | User Override of Truck Round Trips/Day | Default Values Round Trips/Day | Calculated Daily VMT | | | | | |
|---|-----------------------------------|--------------------------------------|--|--------------------------------|----------------------|------------|------------|------------|------------|-------------|
| User Input | | | | | | | | | | |
| Miles/round trip: Grubbing/Land Clearing | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Grading/Excavation | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Drainage/Utilities/Sub-Grade | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Paving | | 30.00 | | 0 | 0.00 | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Grubbing/Land Clearing (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grading/Excavation (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Drainage/Utilities/Sub-Grade (grams/mile) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/mile) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Drainage/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total tons per construction project | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Note: Asphalt Hauling emission default values can be overridden in cells D91 through D94, and F91 through F94.

| Asphalt Hauling Emissions | User Override of Miles/Round Trip | Program Estimate of Miles/Round Trip | User Override of Truck Round Trips/Day | Default Values Round Trips/Day | Calculated Daily VMT | | | | | |
|---|-----------------------------------|--------------------------------------|--|--------------------------------|----------------------|------------|------------|------------|------------|-------------|
| User Input | | | | | | | | | | |
| Miles/round trip: Grubbing/Land Clearing | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Grading/Excavation | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Drainage/Utilities/Sub-Grade | | 30.00 | | 0 | 0.00 | | | | | |
| Miles/round trip: Paving | | 30.00 | | 0 | 0.00 | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Grubbing/Land Clearing (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Grading/Excavation (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 |
| Drainage/Utilities/Sub-Grade (grams/mile) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/mile) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Drainage/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total tons per construction project | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Note: Worker commute default values can be overridden in cells D121 through D126.

| Worker Commute Emissions | | User Override of Worker Commute Default Values | | Default Values | | Calculated | | | | | | |
|---|------------|--|------------|----------------|--------------|------------|------------|------------|------------|-------------|--|--|
| User Input | | | | Daily Trips | Daily VMT | | | | | | | |
| Miles/ one-way trip | | 20 | | | | | | | | | | |
| One-way trips/day | | 2 | | | | | | | | | | |
| No. of employees: Grubbing/Land Clearing | | 5 | | 10 | 200.00 | | | | | | | |
| No. of employees: Grading/Excavation | | 28 | | 56 | 1,120.00 | | | | | | | |
| No. of employees: Drainage/Utilities/Sub-Grade | | 18 | | 36 | 720.00 | | | | | | | |
| No. of employees: Paving | | 8 | | 16 | 320.00 | | | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | | |
| Grubbing/Land Clearing (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | | |
| Grading/Excavation (grams/mile) | 0.02 | 0.91 | 0.07 | 0.05 | 0.02 | 0.00 | 317.66 | 0.00 | 0.01 | 319.68 | | |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| Paving (grams/mile) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| Grubbing/Land Clearing (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | | |
| Grading/Excavation (grams/trip) | 1.04 | 2.75 | 0.29 | 0.00 | 0.00 | 0.00 | 68.26 | 0.07 | 0.03 | 79.50 | | |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| Paving (grams/trip) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | | |
| Pounds per day - Grubbing/Land Clearing | 0.03 | 0.46 | 0.04 | 0.02 | 0.01 | 0.00 | 141.57 | 0.00 | 0.00 | 142.71 | | |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.47 | | |
| Pounds per day - Grading/Excavation | 0.17 | 2.59 | 0.22 | 0.11 | 0.05 | 0.01 | 792.79 | 0.02 | 0.02 | 799.17 | | |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 23.55 | 0.00 | 0.00 | 23.74 | | |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| Total tons per construction project | 0.01 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 24.01 | 0.00 | 0.00 | 24.21 | | |

Note: Water Truck default values can be overridden in cells D153 through D156, I153 through I156, and F153 through F156.

| Water Truck Emissions | | User Override of Program Estimate of | | User Override of Truck | | Default Values | | Calculated | | User Override of | | Default Values | | Calculated | |
|---|------------------------|--------------------------------------|-------------------------|-------------------------|--------------|------------------|------------------|------------|------------|------------------|-----------|----------------|--|------------|--|
| User Input | Default # Water Trucks | Number of Water Trucks | Round Trips/Vehicle/Day | Round Trips/Vehicle/Day | Trips/day | Miles/Round Trip | Miles/Round Trip | Daily VMT | | Miles/Round Trip | Daily VMT | | | | |
| Grubbing/Land Clearing - Exhaust | | 0 | | 5 | 0 | 8.00 | | 0.00 | | | | | | | |
| Grading/Excavation - Exhaust | | 0 | | 5 | 0 | 8.00 | | 0.00 | | | | | | | |
| Drainage/Utilities/Subgrade | | 0 | | 5 | 0 | 8.00 | | 0.00 | | | | | | | |
| Paving | | 0 | | 5 | 0 | 8.00 | | 0.00 | | | | | | | |
| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | | | | | |
| Grubbing/Land Clearing (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | |
| Grading/Excavation (grams/mile) | 0.03 | 0.40 | 2.98 | 0.11 | 0.05 | 0.02 | 1,714.99 | 0.00 | 0.27 | 1,795.36 | | | | | |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Paving (grams/mile) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Paving (grams/trip) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Emissions | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e | | | | | |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Pounds per day - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| Total tons per construction project | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |

Note: Fugitive dust default values can be overridden in cells D183 through D185.

| Fugitive Dust | | User Override of Max | | Default | | PM10 | | PM10 | | PM2.5 | | PM2.5 | |
|---|-----------------------|----------------------|---------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | Acreage Disturbed/Day | Maximum Acreage/Day | Maximum Acreage/Day | pounds/day | tons/period | pounds/day | tons/period | pounds/day | tons/period | pounds/day | tons/period | pounds/day | tons/period |
| Fugitive Dust - Grubbing/Land Clearing | | | 0.03 | 0.60 | 0.00 | 0.12 | 0.00 | | | | | | |
| Fugitive Dust - Grading/Excavation | | | 0.03 | 0.60 | 0.02 | 0.12 | 0.00 | | | | | | |
| Fugitive Dust - Drainage/Utilities/Subgrade | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |

| Off-Road Equipment Emissions | | | | | | | | | | | | | |
|--|------------------|---|-------------------------------|----------------|---|------------|------------|------------|------------|------------|------------|------------|------|
| Grubbing/Land Clearing | | Default Number of Vehicles | Mitigation Option Override of | Default | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | |
| Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | |
| | | | | Tier 4 | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | | Tier 4 | Crawler Tractors | 0.24 | 4.18 | 0.48 | 0.02 | 0.02 | 0.01 | 758.27 | |
| | | | | Tier 4 | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1.00 | 2 | | | Tier 4 | Excavators | 0.16 | 3.92 | 0.32 | 0.02 | 0.01 | 0.01 | 500.11 | |
| | | | | Tier 4 | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 1 | | | Tier 4 | Signal Boards | 0.03 | 0.52 | 0.46 | 0.03 | 0.02 | 0.00 | 49.31 | |
| | | | | Tier 4 | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Tractors/Loaders/Backhoes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | Tier 4 | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| User-Defined Off-road Equipment | | | | | <i>If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab</i> | | | | | | | | |
| Number of Vehicles | | Equipment Tier | | | Type | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| 0.00 | | N/A | | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Grubbing/Land Clearing | | | pounds per day | 0.43 | 8.62 | 1.26 | 0.07 | 0.06 | 0.01 | 1,307.69 | 0.41 |
| | | Grubbing/Land Clearing | | | tons per phase | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 4.32 | 0.00 |

| Grading/Excavation | Default | | Mitigation Option | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
|--|--|------------------|---|---------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | Number of Vehicles | Override of | Default | | | | | | | | | |
| | Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | | | | | | | | |
| | | | Tier 4 | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 1 | Tier 4 | Cranes | 0.18 | 3.07 | 0.35 | 0.02 | 0.02 | 0.01 | 558.82 | 0.18 |
| 0.00 | | 2 | Tier 4 | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2.00 | | 4 | Tier 4 | Excavators | 0.32 | 7.84 | 0.64 | 0.03 | 0.03 | 0.01 | 1,000.21 | 0.32 |
| | | | Tier 4 | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1.00 | | 2 | Tier 4 | Graders | 0.20 | 3.52 | 0.41 | 0.02 | 0.02 | 0.01 | 640.86 | 0.21 |
| | | | Tier 4 | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2.00 | | 3 | Tier 4 | Rollers | 0.16 | 3.97 | 0.32 | 0.02 | 0.01 | 0.01 | 508.22 | 0.16 |
| | | | Tier 4 | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2.00 | | 3 | Tier 4 | Rubber Tired Dozers | 0.00 | 6.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | 4 | Tier 4 | Rubber Tired Loaders | 0.39 | 6.70 | 0.77 | 0.04 | 0.04 | 0.01 | 1,211.12 | 0.39 |
| | | | Tier 4 | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 1 | Tier 4 | Signal Boards | 0.03 | 0.52 | 0.46 | 0.03 | 0.02 | 0.00 | 49.31 | 0.01 |
| | | | Tier 4 | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | Tier 4 | Tractors/Loaders/Backhoes | 0.19 | 4.68 | 0.38 | 0.02 | 0.02 | 0.01 | 603.15 | 0.20 |
| | | | Tier 4 | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User-Defined Off-road Equipment | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| Number of Vehicles | | Equipment Tier | Type | | | | | | | | | |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Grading/Excavation | | pounds per day | | 1.46 | 30.30 | 3.33 | 0.17 | 0.16 | 0.05 | 4,571.69 | 1.47 |
| | Grading/Excavation | | tons per phase | | 0.04 | 0.90 | 0.10 | 0.01 | 0.00 | 0.00 | 135.78 | 0.04 |

| Drainage/Utilities/Subgrade | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | |
|--|------------------------------|---|----------------|---------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Default | Default | Mitigation Option | Default | | | | | | | | | |
| Number of Vehicles | Override of | | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | |
| Override of Default Number of Vehicles | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | | | | | | | | | |
| | 1 | | Tier 4 | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Air Compressors | 0.10 | 2.44 | 0.20 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Tier 4 | Generator Sets | 0.16 | 4.06 | 0.33 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 |
| | 2 | | Tier 4 | Graders | 0.41 | 7.03 | 0.81 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Tier 4 | Plate Compactors | 0.02 | 0.36 | 0.32 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Tier 4 | Pumps | 0.16 | 4.06 | 0.33 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | | Tier 4 | Rough Terrain Forklifts | 0.11 | 2.61 | 0.21 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 4 | | Tier 4 | Scrapers | 1.86 | 32.31 | 3.73 | 0.19 | 0.17 | 0.00 | 0.00 | 0.00 |
| | 1 | | Tier 4 | Signal Boards | 0.03 | 0.52 | 0.46 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 2 | | Tier 4 | Tractors/Loaders/Backhoes | 0.19 | 4.68 | 0.38 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User-Defined Off-road Equipment | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| Number of Vehicles | | Equipment Tier | | | | | | | | | | |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Drainage/Utilities/Sub-Grade | | pounds per day | 3.03 | 58.08 | 6.77 | 0.34 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Drainage/Utilities/Sub-Grade | | tons per phase | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Paving | Default | | Mitigation Option | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
|--|--------------------|------------------|---|---------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | Number of Vehicles | Override of | Default | Default | | | | | | | | |
| Override of Default Number of Vehicles | | Program-estimate | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| | | | Equipment Tier | Type | | | | | | | | |
| | | | Tier 4 | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 1 | Tier 4 | Pavers | 0.14 | 3.56 | 0.29 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| | | 1 | Tier 4 | Paving Equipment | 3.10 | 0.13 | 0.25 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 1 | Tier 4 | Rollers | 0.08 | 1.98 | 0.16 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 1 | Tier 4 | Signal Boards | 0.03 | 0.52 | 0.46 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | Tier 4 | Tractors/Loaders/Backhoes | 0.19 | 4.68 | 0.38 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Tier 4 | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User-Defined Off-road Equipment | | | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 |
| If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab | | | | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| Number of Vehicles | | | Equipment Tier | Type | | | | | | | | |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Paving | | | pounds per day | 0.57 | 13.85 | 1.54 | 0.08 | 0.07 | 0.00 | 0.00 | 0.00 |
| | Paving | | | tons per phase | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Emissions all Phases (tons per construction period) => | | | | | 0.04 | 0.93 | 0.10 | 0.01 | 0.00 | 0.00 | 140.09 | 0.04 |

| N2O | CO2e |
|------------|------------|
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 564.84 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,010.99 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 647.76 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 513.69 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 1,224.20 |
| 0.00 | 0.00 |
| 0.00 | 49.56 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.01 | 609.64 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| <hr/> | |
| N2O | CO2e |
| pounds/day | pounds/day |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.04 | 4,620.70 |
| 0.00 | 137.23 |

Equipment default values for horsepower and hours/day can be overridden in cells D403 through D436 and F403 through F436.

| Equipment | User Override of Horsepower | Default Values Horsepower | User Override of Hours/day | Default Values Hours/day |
|------------------------------------|--------------------------------|------------------------------|-------------------------------|-----------------------------|
| Aerial Lifts | | 63 | | 8 |
| Air Compressors | | 78 | | 8 |
| Bore/Drill Rigs | | 221 | | 8 |
| Cement and Mortar Mixers | | 9 | | 8 |
| Concrete/Industrial Saws | | 81 | | 8 |
| Cranes | | 231 | | 8 |
| Crawler Tractors | | 212 | | 8 |
| Crushing/Proc. Equipment | | 85 | | 8 |
| Excavators | | 158 | | 8 |
| Forklifts | | 89 | | 8 |
| Generator Sets | | 84 | | 8 |
| Graders | | 187 | | 8 |
| Off-Highway Tractors | | 124 | | 8 |
| Off-Highway Trucks | | 402 | | 8 |
| Other Construction Equipment | | 172 | | 8 |
| Other General Industrial Equipment | | 88 | | 8 |
| Other Material Handling Equipment | | 168 | | 8 |
| Pavers | | 130 | | 8 |
| Paving Equipment | | 132 | | 8 |
| Plate Compactors | | 8 | | 8 |
| Pressure Washers | | 13 | | 8 |
| Pumps | | 84 | | 8 |
| Rollers | | 80 | | 8 |
| Rough Terrain Forklifts | | 100 | | 8 |
| Rubber Tired Dozers | | 247 | | 8 |
| Rubber Tired Loaders | | 203 | | 8 |
| Scrapers | | 367 | | 8 |
| Signal Boards | | 6 | | 8 |
| Skid Steer Loaders | | 65 | | 8 |
| Surfacing Equipment | | 263 | | 8 |
| Sweepers/Scrubbers | | 64 | | 8 |
| Tractors/Loaders/Backhoes | | 97 | | 8 |
| Trenchers | | 78 | | 8 |
| Welders | | 46 | | 8 |

END OF DATA ENTRY SHEET

Road Construction Emissions Model, Version 9.0.1

| Daily Emission Estimates for -> SMPs Project - Trail Option 3 - Bridge Portion | | | | | | | | | | | | | Total | Exhaust | Fugitive Dust | Total | Exhaust | Fugitive Dust | SOx (lbs/day) | CO2 (lbs/day) | CH4 (lbs/day) | N2O (lbs/day) | CO2e (lbs/day) |
|--|---------------|--------------|---------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Project Phases (Pounds) | ROG (lbs/day) | CO (lbs/day) | NOx (lbs/day) | PM10 (lbs/day) | PM10 (lbs/day) | PM10 (lbs/day) | PM2.5 (lbs/day) | PM2.5 (lbs/day) | PM2.5 (lbs/day) | PM2.5 (lbs/day) | PM2.5 (lbs/day) | PM2.5 (lbs/day) | SOx (lbs/day) | CO2 (lbs/day) | CH4 (lbs/day) | N2O (lbs/day) | CO2e (lbs/day) | | | | | | |
| Grubbing/Land Clearing | 0.46 | 9.08 | 1.30 | 0.69 | 0.09 | 0.60 | 0.19 | 0.07 | 0.12 | 0.02 | 0.02 | 1,449.26 | 0.42 | 0.02 | 0.02 | 1,464.22 | | | | | | | |
| Grading/Excavation | 1.63 | 32.89 | 3.55 | 0.88 | 0.28 | 0.60 | 0.33 | 0.20 | 0.12 | 0.06 | 5,364.48 | 1.49 | 0.06 | 0.06 | 5,419.87 | | | | | | | | |
| Drainage/Utilities/Sub-Grade | 3.03 | 58.08 | 6.77 | 0.34 | 0.34 | 0.00 | 0.32 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | |
| Paving | 0.57 | 13.85 | 1.54 | 0.08 | 0.08 | 0.00 | 0.07 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | |
| Maximum (pounds/day) | 3.03 | 58.08 | 6.77 | 0.88 | 0.34 | 0.60 | 0.33 | 0.32 | 0.12 | 0.06 | 5,364.48 | 1.49 | 0.06 | 0.06 | 5,419.87 | | | | | | | | |
| Total (tons/construction project) | 0.05 | 1.01 | 0.11 | 0.03 | 0.01 | 0.02 | 0.01 | 0.01 | 0.00 | 0.00 | 164.11 | 0.05 | 0.00 | 0.00 | 165.80 | | | | | | | | |

Notes:
 Project Start Year -> 2023
 Project Length (months) -> 3
 Total Project Area (acres) -> 0
 Maximum Area Disturbed/Day (acres) -> 0
 Water Truck Used? -> No

| Phase | Total Material Imported/Exported Volume (yd ³ /day) | | Daily VMT (miles/day) | | | |
|------------------------------|--|---------|-----------------------|-----------------|----------------|-------------|
| | Soil | Asphalt | Soil Hauling | Asphalt Hauling | Worker Commute | Water Truck |
| Grubbing/Land Clearing | 0 | 0 | 0 | 0 | 200 | 0 |
| Grading/Excavation | 0 | 0 | 0 | 0 | 1,120 | 0 |
| Drainage/Utilities/Sub-Grade | 0 | 0 | 0 | 0 | 720 | 0 |
| Paving | 0 | 0 | 0 | 0 | 320 | 0 |

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.
 Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.
 CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

| Total Emission Estimates by Phase for -> SMPs Project - Trail Option 3 - Bridge Portion | | | | | | | | | | | | | Total | Exhaust | Fugitive Dust | Total | Exhaust | Fugitive Dust | SOx (tons/phase) | CO2 (tons/phase) | CH4 (tons/phase) | N2O (tons/phase) | CO2e (MT/phase) |
|---|------------------|-----------------|------------------|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------------------|------------------|------------------|------------------|-----------------|---------------|------------------|------------------|------------------|------------------|-----------------|
| Project Phases (Tons for all except CO2e. Metric tonnes for CO2e) | ROG (tons/phase) | CO (tons/phase) | NOx (tons/phase) | PM10 (tons/phase) | PM10 (tons/phase) | PM10 (tons/phase) | PM2.5 (tons/phase) | PM2.5 (tons/phase) | PM2.5 (tons/phase) | PM2.5 (tons/phase) | PM2.5 (tons/phase) | PM2.5 (tons/phase) | SOx (tons/phase) | CO2 (tons/phase) | CH4 (tons/phase) | N2O (tons/phase) | CO2e (MT/phase) | | | | | | |
| Grubbing/Land Clearing | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.78 | 0.00 | 0.00 | 4.38 | | | | | | |
| Grading/Excavation | 0.05 | 0.98 | 0.11 | 0.03 | 0.01 | 0.02 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 159.33 | 0.04 | 0.00 | 146.03 | | | | | | |
| Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| Maximum (tons/phase) | 0.05 | 0.98 | 0.11 | 0.03 | 0.01 | 0.02 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 159.33 | 0.04 | 0.00 | 146.03 | | | | | | |
| Total (tons/construction project) | 0.05 | 1.01 | 0.11 | 0.03 | 0.01 | 0.02 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 164.11 | 0.05 | 0.00 | 150.41 | | | | | | |

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.
 Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.
 CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.
 The CO2e emissions are reported as metric tons per phase.

AERMOD Model Options

Model Options

| Pathway | Keyword | Description | Value |
|---------|----------|---------------------------|---|
| CO | TITLEONE | Project title 1 | SMP 38, SMP 39, SMP 40 Project |
| CO | TITLETWO | Project title 2 | |
| CO | MODELOPT | Model options | DFAULT,CONC,NODRYDPLT,NOWETDPLT |
| CO | AVERTIME | Averaging times | 1,ANNUAL |
| CO | URBANOPT | Urban options | |
| CO | POLLUTID | Pollutant ID | PM25 H1H |
| CO | HALFLIFE | Half life | |
| CO | DCAYCOEF | Decay coefficient | |
| CO | FLAGPOLE | Flagpole receptor heights | 1.8 |
| CO | RUNORNOT | Run or Not | RUN |
| CO | EVENTFIL | Event file | F |
| CO | SAVEFILE | Save file | F |
| CO | INITFILE | Initialization file | |
| CO | MULTYEAR | Multiple year option | N/A |
| CO | DEBUGOPT | Debug options | N/A |
| CO | ERRORFIL | Error file | F |
| SO | ELEVUNIT | Elevation units | METERS |
| SO | EMISUNIT | Emission units | N/A |
| RE | ELEVUNIT | Elevation units | METERS |
| ME | SURFFILE | Surface met file | I:\Projects\Reference Material\Air Quality Assessment_HRA Guidance_2023\Meteorological Data for AERMOD\Livermore.SFC |
| ME | PROFFILE | Profile met file | I:\Projects\Reference Material\Air Quality Assessment_HRA Guidance_2023\Meteorological Data for AERMOD\Livermore.PFL |
| ME | SURFDATA | Surf met data info. | 23285 2009 |
| ME | UAIRDATA | U-Air met data info. | 23230 2009 |
| ME | SITEDATA | On-site met data info. | |
| ME | PROFBASE | Elev. above MSL | 122 |
| ME | STARTEND | Start-end met dates | |
| ME | WDROTATE | Wind dir. rot. adjust. | |
| ME | WINDCATS | Wind speed cat. max. | |
| ME | SCIMBYHR | SCIM sample params | |
| EV | DAYTABLE | Print summary opt. | N/A |
| OU | EVENTOUT | Output info. level | N/A |

OU | DAYTABLE | Print summary opt.

Source Parameter Tables

All Sources

| Source ID / Pollutant ID | Source Type | Description | UTM | | Elev. (m) | Emiss. Rate | Emiss. Units | Release Height (m) |
|-----------------------------|-------------|-------------------------|----------|-----------|--------------|--------------|-----------------|--------------------------|
| | | | East (m) | North (m) | | | | |
| F10DR01Y | POINT | Vertical | 605074.5 | 4170842 | 0 | 8.143715E-06 | (g/s) | 3.84048 |
| F10DR01Z | POINT | Horizontal - Low Level | 605076 | 4170842 | 0 | 8.143715E-06 | (g/s) | 0.18288 |
| F10DR020 | POINT | Horizontal - High Level | 605076 | 4170842 | 0 | 8.143715E-06 | (g/s) | 3.84048 |
| F10DR002 | VOLUME | | 603917.2 | 4172040.4 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR003 | VOLUME | | 603971.2 | 4172039.1 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR004 | VOLUME | | 604025.2 | 4172037.8 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR005 | VOLUME | | 604079.1 | 4172036.5 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR006 | VOLUME | | 604133.1 | 4172035.2 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR007 | VOLUME | | 604187.1 | 4172033.9 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR008 | VOLUME | | 604241.1 | 4172032.6 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR009 | VOLUME | | 604295.1 | 4172031.3 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR00A | VOLUME | | 604349.1 | 4172030.0 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR00B | VOLUME | | 604403.1 | 4172028.8 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR00C | VOLUME | | 604457.0 | 4172027.5 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR00D | VOLUME | | 604511.0 | 4172026.2 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR00E | VOLUME | | 604565.0 | 4172024.9 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR00F | VOLUME | | 604619.0 | 4172024.3 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR00G | VOLUME | | 604673.0 | 4172024.0 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR00H | VOLUME | | 604727.0 | 4172023.7 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR00I | VOLUME | | 604781.0 | 4172023.4 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR00J | VOLUME | | 604835.0 | 4172023.1 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR00K | VOLUME | | 604889.0 | 4172022.8 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR00L | VOLUME | | 604943.0 | 4172022.5 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR00M | VOLUME | | 604996.7 | 4172019.9 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR00N | VOLUME | | 605049.2 | 4172007.2 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR00O | VOLUME | | 605101.7 | 4171994.4 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR00P | VOLUME | | 605154.2 | 4171982.0 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR00Q | VOLUME | | 605208.2 | 4171980.3 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR00R | VOLUME | | 605262.1 | 4171978.6 | 0 | 2.8935E-06 | (g/s) | 2.3 |
| F10DR00U | VOLUME | | 605308.1 | 4171940.3 | 0 | 7.651263E-06 | (g/s) | 2.3 |
| F10DR00V | VOLUME | | 605308.1 | 4171866.3 | 0 | 7.651263E-06 | (g/s) | 2.3 |
| F10DR00W | VOLUME | | 605308.1 | 4171792.3 | 0 | 7.651263E-06 | (g/s) | 2.3 |
| F10DR00X | VOLUME | | 605308.1 | 4171718.3 | 0 | 7.651263E-06 | (g/s) | 2.3 |
| F10DR00Y | VOLUME | | 605311.3 | 4171644.4 | 0 | 7.651263E-06 | (g/s) | 2.3 |

| | | | | | | | | |
|----------|--------|--|----------|-----------|---|--------------|-------|-----|
| F10DR00Z | VOLUME | | 605317.8 | 4171570.7 | 0 | 7.651263E-06 | (g/s) | 2.3 |
| F10DR010 | VOLUME | | 605324.4 | 4171497.0 | 0 | 7.651263E-06 | (g/s) | 2.3 |
| F10DR011 | VOLUME | | 605331.0 | 4171423.3 | 0 | 7.651263E-06 | (g/s) | 2.3 |
| F10DR012 | VOLUME | | 605337.6 | 4171349.6 | 0 | 7.651263E-06 | (g/s) | 2.3 |
| F10DR013 | VOLUME | | 605339.0 | 4171275.7 | 0 | 7.651263E-06 | (g/s) | 2.3 |
| F10DR014 | VOLUME | | 605339.2 | 4171201.7 | 0 | 7.651263E-06 | (g/s) | 2.3 |
| F10DR015 | VOLUME | | 605339.4 | 4171127.7 | 0 | 7.651263E-06 | (g/s) | 2.3 |
| F10DR016 | VOLUME | | 605339.6 | 4171053.7 | 0 | 7.651263E-06 | (g/s) | 2.3 |
| F10DR017 | VOLUME | | 605339.8 | 4170979.7 | 0 | 7.651263E-06 | (g/s) | 2.3 |
| F10DR018 | VOLUME | | 605340.0 | 4170905.7 | 0 | 7.651263E-06 | (g/s) | 2.3 |
| F10DR019 | VOLUME | | 605340.3 | 4170831.7 | 0 | 7.651263E-06 | (g/s) | 2.3 |
| F10DR01A | VOLUME | | 605340.5 | 4170757.7 | 0 | 7.651263E-06 | (g/s) | 2.3 |
| F10DR01B | VOLUME | | 605340.7 | 4170683.7 | 0 | 7.651263E-06 | (g/s) | 2.3 |
| F10DR01C | VOLUME | | 605340.9 | 4170609.7 | 0 | 7.651263E-06 | (g/s) | 2.3 |
| F10DR01F | VOLUME | | 605051.1 | 4170840.2 | 0 | 3.053684E-06 | (g/s) | 2.3 |
| F10DR01G | VOLUME | | 605023.1 | 4170840.2 | 0 | 3.053684E-06 | (g/s) | 2.3 |
| F10DR01H | VOLUME | | 604996.7 | 4170841.8 | 0 | 3.053684E-06 | (g/s) | 2.3 |
| F10DR01I | VOLUME | | 604996.7 | 4170869.8 | 0 | 3.053684E-06 | (g/s) | 2.3 |
| F10DR01J | VOLUME | | 604996.7 | 4170897.8 | 0 | 3.053684E-06 | (g/s) | 2.3 |
| F10DR01K | VOLUME | | 604996.7 | 4170925.8 | 0 | 3.053684E-06 | (g/s) | 2.3 |
| F10DR01L | VOLUME | | 604996.7 | 4170953.8 | 0 | 3.053684E-06 | (g/s) | 2.3 |
| F10DR01M | VOLUME | | 604996.7 | 4170981.8 | 0 | 3.053684E-06 | (g/s) | 2.3 |
| F10DR01N | VOLUME | | 605015.3 | 4170991.1 | 0 | 3.053684E-06 | (g/s) | 2.3 |
| F10DR01O | VOLUME | | 605043.3 | 4170990.9 | 0 | 3.053684E-06 | (g/s) | 2.3 |
| F10DR01P | VOLUME | | 605071.3 | 4170990.6 | 0 | 3.053684E-06 | (g/s) | 2.3 |
| F10DR01Q | VOLUME | | 605099.3 | 4170990.4 | 0 | 3.053684E-06 | (g/s) | 2.3 |
| F10DR01R | VOLUME | | 605127.3 | 4170990.2 | 0 | 3.053684E-06 | (g/s) | 2.3 |
| F10DR01S | VOLUME | | 605155.3 | 4170990.0 | 0 | 3.053684E-06 | (g/s) | 2.3 |
| F10DR01T | VOLUME | | 605183.3 | 4170989.8 | 0 | 3.053684E-06 | (g/s) | 2.3 |
| F10DR01U | VOLUME | | 605211.3 | 4170989.6 | 0 | 3.053684E-06 | (g/s) | 2.3 |
| F10DR01V | VOLUME | | 605239.3 | 4170989.4 | 0 | 3.053684E-06 | (g/s) | 2.3 |
| F10DR01W | VOLUME | | 605267.3 | 4170989.2 | 0 | 3.053684E-06 | (g/s) | 2.3 |
| F10DR01X | VOLUME | | 605295.3 | 4170989.0 | 0 | 3.053684E-06 | (g/s) | 2.3 |

Point Sources

| Source ID / Pollutant ID | Description | UTM | | Elev. (m) | Emiss. Rate (g/s) | Stack Height (m) | Stack Temp (K) | Stack Velocity (m/s) | Stack Diameter (m) |
|--------------------------|-------------------------|----------|-----------|-----------|-------------------|------------------|----------------|----------------------|--------------------|
| | | East (m) | North (m) | | | | | | |
| F10DR01Y | Vertical | 605074.5 | 4170842 | 0 | 8.143715E-06 | 3.84048 | 366 | 51.71 | 0.1 |
| F10DR01Z | Horizontal - Low Level | 605076 | 4170842 | 0 | 8.143715E-06 | 0.18288 | 366 | 0.001 | 0.1 |
| F10DR020 | Horizontal - High Level | 605076 | 4170842 | 0 | 8.143715E-06 | 3.84048 | 366 | 0.001 | 0.1 |

Volume Sources

| Source ID / Pollutant ID | Description | UTM | Elev. | Emiss. Rate | Release Height | Init. Lat. Dim. | Init. Vert. Dim. |
|--------------------------|-------------|-----|-------|-------------|----------------|-----------------|------------------|
| | | | | | | | |

| | | East (m) | North (m) | (m) | (g/s) | (m) | (m) | (m) |
|----------|--|----------|-----------|-----|--------------|-----|----------|----------|
| F10DR002 | | 603917.2 | 4172040.4 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR003 | | 603971.2 | 4172039.1 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR004 | | 604025.2 | 4172037.8 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR005 | | 604079.1 | 4172036.5 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR006 | | 604133.1 | 4172035.2 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR007 | | 604187.1 | 4172033.9 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR008 | | 604241.1 | 4172032.6 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR009 | | 604295.1 | 4172031.3 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR00A | | 604349.1 | 4172030.0 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR00B | | 604403.1 | 4172028.8 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR00C | | 604457.0 | 4172027.5 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR00D | | 604511.0 | 4172026.2 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR00E | | 604565.0 | 4172024.9 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR00F | | 604619.0 | 4172024.3 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR00G | | 604673.0 | 4172024.0 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR00H | | 604727.0 | 4172023.7 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR00I | | 604781.0 | 4172023.4 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR00J | | 604835.0 | 4172023.1 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR00K | | 604889.0 | 4172022.8 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR00L | | 604943.0 | 4172022.5 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR00M | | 604996.7 | 4172019.9 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR00N | | 605049.2 | 4172007.2 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR00O | | 605101.7 | 4171994.4 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR00P | | 605154.2 | 4171982.0 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR00Q | | 605208.2 | 4171980.3 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR00R | | 605262.1 | 4171978.6 | 0 | 2.8935E-06 | 2.3 | 25.11628 | 2.139535 |
| F10DR00U | | 605308.1 | 4171940.3 | 0 | 7.651263E-06 | 2.3 | 34.41861 | 2.139535 |
| F10DR00V | | 605308.1 | 4171866.3 | 0 | 7.651263E-06 | 2.3 | 34.41861 | 2.139535 |
| F10DR00W | | 605308.1 | 4171792.3 | 0 | 7.651263E-06 | 2.3 | 34.41861 | 2.139535 |
| F10DR00X | | 605308.1 | 4171718.3 | 0 | 7.651263E-06 | 2.3 | 34.41861 | 2.139535 |
| F10DR00Y | | 605311.3 | 4171644.4 | 0 | 7.651263E-06 | 2.3 | 34.41861 | 2.139535 |
| F10DR00Z | | 605317.8 | 4171570.7 | 0 | 7.651263E-06 | 2.3 | 34.41861 | 2.139535 |
| F10DR010 | | 605324.4 | 4171497.0 | 0 | 7.651263E-06 | 2.3 | 34.41861 | 2.139535 |
| F10DR011 | | 605331.0 | 4171423.3 | 0 | 7.651263E-06 | 2.3 | 34.41861 | 2.139535 |
| F10DR012 | | 605337.6 | 4171349.6 | 0 | 7.651263E-06 | 2.3 | 34.41861 | 2.139535 |
| F10DR013 | | 605339.0 | 4171275.7 | 0 | 7.651263E-06 | 2.3 | 34.41861 | 2.139535 |
| F10DR014 | | 605339.2 | 4171201.7 | 0 | 7.651263E-06 | 2.3 | 34.41861 | 2.139535 |
| F10DR015 | | 605339.4 | 4171127.7 | 0 | 7.651263E-06 | 2.3 | 34.41861 | 2.139535 |
| F10DR016 | | 605339.6 | 4171053.7 | 0 | 7.651263E-06 | 2.3 | 34.41861 | 2.139535 |
| F10DR017 | | 605339.8 | 4170979.7 | 0 | 7.651263E-06 | 2.3 | 34.41861 | 2.139535 |
| F10DR018 | | 605340.0 | 4170905.7 | 0 | 7.651263E-06 | 2.3 | 34.41861 | 2.139535 |
| F10DR019 | | 605340.3 | 4170831.7 | 0 | 7.651263E-06 | 2.3 | 34.41861 | 2.139535 |
| F10DR01A | | 605340.5 | 4170757.7 | 0 | 7.651263E-06 | 2.3 | 34.41861 | 2.139535 |
| F10DR01B | | 605340.7 | 4170683.7 | 0 | 7.651263E-06 | 2.3 | 34.41861 | 2.139535 |
| F10DR01C | | 605340.9 | 4170609.7 | 0 | 7.651263E-06 | 2.3 | 34.41861 | 2.139535 |

| | | | | | | | | |
|----------|--|----------|-----------|---|--------------|-----|----------|----------|
| F10DR01F | | 605051.1 | 4170840.2 | 0 | 3.053684E-06 | 2.3 | 13.02326 | 2.139535 |
| F10DR01G | | 605023.1 | 4170840.2 | 0 | 3.053684E-06 | 2.3 | 13.02326 | 2.139535 |
| F10DR01H | | 604996.7 | 4170841.8 | 0 | 3.053684E-06 | 2.3 | 13.02326 | 2.139535 |
| F10DR01I | | 604996.7 | 4170869.8 | 0 | 3.053684E-06 | 2.3 | 13.02326 | 2.139535 |
| F10DR01J | | 604996.7 | 4170897.8 | 0 | 3.053684E-06 | 2.3 | 13.02326 | 2.139535 |
| F10DR01K | | 604996.7 | 4170925.8 | 0 | 3.053684E-06 | 2.3 | 13.02326 | 2.139535 |
| F10DR01L | | 604996.7 | 4170953.8 | 0 | 3.053684E-06 | 2.3 | 13.02326 | 2.139535 |
| F10DR01M | | 604996.7 | 4170981.8 | 0 | 3.053684E-06 | 2.3 | 13.02326 | 2.139535 |
| F10DR01N | | 605015.3 | 4170991.1 | 0 | 3.053684E-06 | 2.3 | 13.02326 | 2.139535 |
| F10DR01O | | 605043.3 | 4170990.9 | 0 | 3.053684E-06 | 2.3 | 13.02326 | 2.139535 |
| F10DR01P | | 605071.3 | 4170990.6 | 0 | 3.053684E-06 | 2.3 | 13.02326 | 2.139535 |
| F10DR01Q | | 605099.3 | 4170990.4 | 0 | 3.053684E-06 | 2.3 | 13.02326 | 2.139535 |
| F10DR01R | | 605127.3 | 4170990.2 | 0 | 3.053684E-06 | 2.3 | 13.02326 | 2.139535 |
| F10DR01S | | 605155.3 | 4170990.0 | 0 | 3.053684E-06 | 2.3 | 13.02326 | 2.139535 |
| F10DR01T | | 605183.3 | 4170989.8 | 0 | 3.053684E-06 | 2.3 | 13.02326 | 2.139535 |
| F10DR01U | | 605211.3 | 4170989.6 | 0 | 3.053684E-06 | 2.3 | 13.02326 | 2.139535 |
| F10DR01V | | 605239.3 | 4170989.4 | 0 | 3.053684E-06 | 2.3 | 13.02326 | 2.139535 |
| F10DR01W | | 605267.3 | 4170989.2 | 0 | 3.053684E-06 | 2.3 | 13.02326 | 2.139535 |
| F10DR01X | | 605295.3 | 4170989.0 | 0 | 3.053684E-06 | 2.3 | 13.02326 | 2.139535 |

BREEZE AERMOD Model Results

Max. Annual (5 YEARS) Results of Pollutant: PM25 (ug/m**3)

| Group ID | High | Avg. Conc. | UTM | | Elev. (m) | Hill Ht. (m) | Flag Ht. (m) | Rec. Type | Grid ID |
|----------|------|------------|-----------|------------|-----------|--------------|--------------|-----------|---------|
| | | | East (m) | North (m) | | | | | |
| ALL | 1ST | 0.00515 | 605412.40 | 4170934.70 | 0.00 | 0.00 | 1.80 | DC | |
| | 2ND | 0.00515 | 605412.40 | 4170939.70 | 0.00 | 0.00 | 1.80 | DC | |
| | 3RD | 0.00515 | 605412.40 | 4170944.70 | 0.00 | 0.00 | 1.80 | DC | |
| | 4TH | 0.00515 | 605412.40 | 4170949.70 | 0.00 | 0.00 | 1.80 | DC | |
| | 5TH | 0.00515 | 605412.40 | 4170954.70 | 0.00 | 0.00 | 1.80 | DC | |
| | 6TH | 0.00514 | 605412.40 | 4170959.70 | 0.00 | 0.00 | 1.80 | DC | |
| | 7TH | 0.00513 | 605412.90 | 4170926.00 | 0.00 | 0.00 | 1.80 | DC | |
| | 8TH | 0.00510 | 605407.40 | 4171014.70 | 0.00 | 0.00 | 1.80 | DC | |
| | 9TH | 0.00507 | 605407.40 | 4171019.70 | 0.00 | 0.00 | 1.80 | DC | |
| | 10TH | 0.00501 | 605412.90 | 4170886.00 | 0.00 | 0.00 | 1.80 | DC | |

Highest Results of Pollutant: PM25

| Avg. Per. | Grp ID | High | Type | Val | Units | Date | UTM | | Elev. (m) | Hill Ht. (m) | Flag Ht. (m) | Rec. Type | Grid ID |
|-----------|--------|------|------------|---------|---------|----------|-----------|------------|-----------|--------------|--------------|-----------|---------|
| | | | | | | YYMMDDHH | East (m) | North (m) | | | | | |
| 1-HR | ALL | 1ST | Avg. Conc. | 0.08497 | ug/m**3 | 11022123 | 605345.90 | 4171860.30 | 0.00 | 0.00 | 1.80 | DC | |

Summary of Total Messages

| # | Message Type |
|-------|--|
| 0 | Fatal Error Message(s) |
| 5 | Warning Message(s) |
| 15235 | Informational Message(s) |
| 43872 | Hours Were Processed |
| 13448 | Calm Hours Identified |
| 1787 | Missing Hours Identified (4.07 Percent) |

Error & Warning Messages

| Msg. Type | Pathway | Ref. # | Description |
|-----------|---------|----------------------|---|
| WARNING | CO | W276 | Special proc for 1h-NO2/SO2 24hPM25 NAAQS disabled PM25 H1H |
| WARNING | CO | W363 | Multiyr 24h/Ann PM25 processing not applicable for PM25 H1H |
| WARNING | SO | W320 | Input Parameter May Be Out-of-Range for Parameter VS |

| | | | |
|---------|----|----------------------|---|
| WARNING | OU | W565 | Possible Conflict With Dynamically Allocated FUNIT PLOTFILE |
| WARNING | MX | W481 | Data Remaining After End of Year. Number of Hours= 48 |

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*HARP - HRACalc v21081 4/5/2023 8:32:01 AM - Cancer Risk - Input File: C:

| INDEX | GRP1 | GRP2 | POLID | POLABBREV | CONC | RISK_SUM |
|-------|------|------|-------|-------------|---------|----------|
| 1 | | | 9901 | DieselExhPM | 0.00515 | 4.46E-06 |

\Users\jfahdney\Desktop\HARP\SMPs_HRAInput.hra

| SCENARIO | DETAILS | INH_RISK | SOIL_RISK | DERMAL_RISK | MMILK_RISK |
|---------------------------------|---------|----------|-----------|-------------|------------|
| 30YrCancerHighEnd_Inh_FAH16to70 | * | 4.46E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

| 1ST_DRIVER | 2ND_DRIVER | PASTURE_CONC | FISH_CONC | WATER_CONC |
|------------|------------|--------------|-----------|------------|
| NA | NA | 0.00E+00 | 0.00E+00 | 0.00E+00 |

*HARP - HRACalc v21081 4/5/2023 8:32:01 AM - Chronic Risk - Input File: C:\Users\jfahney\Desktop\H

| INDEX | GRP1 | GRP2 | POLID | POLABBRE\ | CONC | SCENARIO | CV | CNS |
|-------|------|------|-------|------------|---------|-----------|----------|----------|
| 1 | | | 9901 | DieselExhP | 0.00515 | NonCancer | 0.00E+00 | 0.00E+00 |

ARP\SMPs_HRAInput.hra

| IMMUN | KIDNEY | GILV | REPRO/DE\RESP | SKIN | EYE | BONE/TEETENDO | | |
|----------|----------|----------|---------------|----------|----------|---------------|----------|----------|
| 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.03E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

| BLOOD | ODOR | GENERAL | DETAILS | INH_CONC | SOIL_DOSE | DERMAL_D | MMILK_DC | WATER_DC |
|----------|----------|----------|---------|----------|-----------|----------|----------|----------|
| 0.00E+00 | 0.00E+00 | 0.00E+00 | * | 5.15E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

| FISH_DOSE | CROP_DOS | BEEF_DOSE | DAIRY_DOS | PIG_DOSE | CHICKEN_C | EGG_DOSE | 1ST_DRIVE | 2ND_DRIVE |
|-----------|----------|-----------|-----------|----------|-----------|----------|-----------|-----------|
| 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | INHALATIO | NA |

3RD_DRIVE PASTURE_(FISH_CONC WATER_CONC
NA 0.00E+00 0.00E+00 0.00E+00

*HARP - HRACalc v21081 4/5/2023 8:32:01 AM - Acute Risk - Input File: C:\Users\jfahney\Desktop\HAI

| INDEX | GRP1 | GRP2 | POLID | POLABBRE\CONC | SCENARIO | CV | CNS |
|-------|------|------|-------|---------------|----------|-----------|-------------------|
| 1 | | | 9901 | DieselExhP | 0.08497 | NonCancer | 0.00E+00 0.00E+00 |

| BLOOD | ODOR | GENERAL |
|----------|----------|----------|
| 0.00E+00 | 0.00E+00 | 0.00E+00 |