# SCLA Specific Plan - Phase One - Construction Only

**San Bernardino-Mojave Desert County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Heavy Industry | 169.00 | 1000sqft | 8.03 | 169,000.00 | 0 |
| General Light Industry | 22.54 | 1000sqft | 1.07 | 22,540.00 | 0 |
| Manufacturing | 147.89 | 1000sqft | 7.02 | 147,890.00 | 0 |
| Unrefrigerated Warehouse-No Rail | 2,264.04 | 1000sqft | 107.52 | 2,264,040.00 | 0 |
| Fast Food Restaurant w/o Drive Thru | 2.70 | 1000sqft | 0.13 | 2,700.00 | 0 |
| High Turnover (Sit Down Restaurant) | 6.00 | 1000sqft | 0.28 | 6,000.00 | 0 |
| Convenience Market With Gas Pumps | 20.00 | Pump | 0.95 | 2,823.50 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.6 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 10 | | | **Operational Year** | 2030 |
| **Utility Company** | Statewide Average | | | | |
| **CO2 Intensity (lb/MWhr)** | 1001.57 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Phase 1 Construction buildout on 125 acres.

Construction Phase - Construction would be complete in 5 years (2030) for Phase One.

Grading - Balanced Cut & Fill.

Architectural Coating - MDAQMD Rule 1113

Vehicle Trips - Construction Emisions Only. Separate Operation Run has been done.

Area Coating - Construction Emisions Only. Separate Operation Run has been done.

Energy Use - Construction Emisions Only. Separate Operation Run has been done.

Water And Wastewater - Construction Emisions Only. Separate Operation Run has been done.

Solid Waste - Construction Emisions Only. Separate Operation Run has been done.

Construction Off-road Equipment Mitigation - MDAQMD Rule 403.2

Area Mitigation - MDAQMD Rule 1113, 50g/L VOC limit.

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblAreaCoating | Area_EF_Nonresidential_Exterior | 250 | 100 |
| tblAreaCoating | Area_EF_Nonresidential_Interior | 250 | 0 |
| tblAreaCoating | Area_EF_Parking | 250 | 100 |
| tblAreaCoating | Area_EF_Residential_Exterior | 250 | 100 |
| tblAreaCoating | Area_EF_Residential_Interior | 250 | 100 |
| tblAreaCoating | Area_Nonresidential_Exterior | 1307497 | 0 |
| tblAreaCoating | Area_Nonresidential_Interior | 3922490 | 0 |
| tblAreaMitigation | UseLowVOCPaintNonresidentialExterior Value | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintNonresidentialInterior Value | 0 | 50 |
| tblAreaMitigation | UseLowVOCPaintParkingCheck | False | True |
| tblAreaMitigation | UseLowVOCPaintParkingValue | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintResidentialExteriorValue | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintResidentialInteriorValue | 100 | 50 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 15 |
| tblConstructionPhase | NumDays | 220.00 | 230.00 |

| | | | |
|---|---|---|---|
| tblConstructionPhase | NumDays | 3,100.00 | 450.00 |
| tblConstructionPhase | NumDays | 310.00 | 280.00 |
| tblEnergyUse | LightingElect | 5.61 | 0.00 |
| tblEnergyUse | LightingElect | 6.62 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 6.62 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 1.17 | 0.00 |
| tblEnergyUse | NT24E | 2.44 | 0.00 |
| tblEnergyUse | NT24E | 28.48 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 28.48 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 0.82 | 0.00 |
| tblEnergyUse | NT24NG | 0.30 | 0.00 |
| tblEnergyUse | NT24NG | 195.77 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 195.77 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 0.03 | 0.00 |
| tblEnergyUse | T24E | 4.58 | 0.00 |
| tblEnergyUse | T24E | 12.38 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 12.38 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 0.37 | 0.00 |

| | | | |
|---|---|---|---|
| tblEnergyUse | T24NG | 1.92 | 0.00 |
| tblEnergyUse | T24NG | 77.67 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 77.67 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 2.00 | 0.00 |
| tblGrading | AcresOfGrading | 700.00 | 775.00 |
| tblGrading | MaterialExported | 0.00 | 743,750.00 |
| tblGrading | MaterialImported | 0.00 | 743,750.00 |
| tblLandUse | LotAcreage | 3.88 | 8.03 |
| tblLandUse | LotAcreage | 0.52 | 1.07 |
| tblLandUse | LotAcreage | 3.40 | 7.02 |
| tblLandUse | LotAcreage | 51.98 | 107.52 |
| tblLandUse | LotAcreage | 0.06 | 0.13 |
| tblLandUse | LotAcreage | 0.14 | 0.28 |
| tblLandUse | LotAcreage | 0.06 | 0.95 |
| tblSolidWaste | SolidWasteGenerationRate | 31.10 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 209.56 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 27.95 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 71.40 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 183.38 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 2,128.20 | 0.00 |
| tblVehicleTrips | ST_TR | 204.47 | 0.00 |
| tblVehicleTrips | ST_TR | 696.00 | 0.00 |
| tblVehicleTrips | ST_TR | 1.50 | 0.00 |
| tblVehicleTrips | ST_TR | 1.32 | 0.00 |
| tblVehicleTrips | ST_TR | 158.37 | 0.00 |
| tblVehicleTrips | ST_TR | 1.49 | 0.00 |
| tblVehicleTrips | ST_TR | 1.68 | 0.00 |

| | | | |
|---|---|---|---|
| tblVehicleTrips | SU_TR | 166.88 | 0.00 |
| tblVehicleTrips | SU_TR | 500.00 | 0.00 |
| tblVehicleTrips | SU_TR | 1.50 | 0.00 |
| tblVehicleTrips | SU_TR | 0.68 | 0.00 |
| tblVehicleTrips | SU_TR | 131.84 | 0.00 |
| tblVehicleTrips | SU_TR | 0.62 | 0.00 |
| tblVehicleTrips | SU_TR | 1.68 | 0.00 |
| tblVehicleTrips | WD_TR | 542.60 | 0.00 |
| tblVehicleTrips | WD_TR | 716.00 | 0.00 |
| tblVehicleTrips | WD_TR | 1.50 | 0.00 |
| tblVehicleTrips | WD_TR | 6.97 | 0.00 |
| tblVehicleTrips | WD_TR | 127.15 | 0.00 |
| tblVehicleTrips | WD_TR | 3.82 | 0.00 |
| tblVehicleTrips | WD_TR | 1.68 | 0.00 |
| tblWater | IndoorWaterUseRate | 209,143.58 | 0.00 |
| tblWater | IndoorWaterUseRate | 819,541.02 | 0.00 |
| tblWater | IndoorWaterUseRate | 39,081,250.00 | 0.00 |
| tblWater | IndoorWaterUseRate | 5,212,375.00 | 0.00 |
| tblWater | IndoorWaterUseRate | 1,821,202.27 | 0.00 |
| tblWater | IndoorWaterUseRate | 34,199,562.50 | 0.00 |
| tblWater | IndoorWaterUseRate | 523,559,250.00 | 0.00 |
| tblWater | OutdoorWaterUseRate | 128,184.78 | 0.00 |
| tblWater | OutdoorWaterUseRate | 52,311.13 | 0.00 |
| tblWater | OutdoorWaterUseRate | 116,246.95 | 0.00 |

## 2.0 Emissions Summary

### 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 | | | | | |
| 2025 | 0.4524 | 6.7722 | 3.7250 | 0.0238 | 2.7453 | 0.1508 | 2.8960 | 1.0786 | 0.1389 | 1.2175 | 0.0000 | 2,241.3185 | 2,241.3185 | 0.2698 | 0.0000 | 2,248.0637 |
| 2026 | 0.6091 | 7.8906 | 5.2012 | 0.0338 | 2.3651 | 0.1218 | 2.4868 | 0.6719 | 0.1130 | 0.7849 | 0.0000 | 3,182.0677 | 3,182.0677 | 0.2780 | 0.0000 | 3,189.0174 |
| 2027 | 0.6418 | 5.7981 | 5.3415 | 0.0267 | 1.5280 | 0.0793 | 1.6073 | 0.4145 | 0.0745 | 0.4890 | 0.0000 | 2,482.2114 | 2,482.2114 | 0.1599 | 0.0000 | 2,486.2079 |
| 2028 | 0.2488 | 2.2908 | 2.7439 | 8.9700e-003 | 0.3981 | 0.0606 | 0.4587 | 0.1079 | 0.0561 | 0.1640 | 0.0000 | 822.1910 | 822.1910 | 0.1029 | 0.0000 | 824.7623 |
| 2029 | 6.1488 | 0.2748 | 0.7789 | 2.0800e-003 | 0.2055 | 0.0124 | 0.2178 | 0.0546 | 0.0119 | 0.0664 | 0.0000 | 185.5265 | 185.5265 | 0.0123 | 0.0000 | 185.8331 |
| **Maximum** | **6.1488** | **7.8906** | **5.3415** | **0.0338** | **2.7453** | **0.1508** | **2.8960** | **1.0786** | **0.1389** | **1.2175** | **0.0000** | **3,182.0677** | **3,182.0677** | **0.2780** | **0.0000** | **3,189.0174** |

## 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 | | | | | |
| 2025 | 0.4524 | 6.7722 | 3.7250 | 0.0238 | 1.5106 | 0.1508 | 1.6614 | 0.5361 | 0.1389 | 0.6750 | 0.0000 | 2,241.3178 | 2,241.3178 | 0.2698 | 0.0000 | 2,248.0630 |
| 2026 | 0.6091 | 7.8906 | 5.2012 | 0.0338 | 1.7953 | 0.1218 | 1.9171 | 0.4949 | 0.1130 | 0.6078 | 0.0000 | 3,182.0671 | 3,182.0671 | 0.2780 | 0.0000 | 3,189.0167 |
| 2027 | 0.6418 | 5.7981 | 5.3415 | 0.0267 | 1.5280 | 0.0793 | 1.6073 | 0.4145 | 0.0745 | 0.4890 | 0.0000 | 2,482.2110 | 2,482.2110 | 0.1599 | 0.0000 | 2,486.2075 |
| 2028 | 0.2488 | 2.2908 | 2.7439 | 8.9700e-003 | 0.3981 | 0.0606 | 0.4587 | 0.1079 | 0.0561 | 0.1640 | 0.0000 | 822.1907 | 822.1907 | 0.1029 | 0.0000 | 824.7620 |
| 2029 | 6.1488 | 0.2748 | 0.7789 | 2.0800e-003 | 0.2055 | 0.0124 | 0.2178 | 0.0546 | 0.0119 | 0.0664 | 0.0000 | 185.5264 | 185.5264 | 0.0123 | 0.0000 | 185.8330 |
| **Maximum** | **6.1488** | **7.8906** | **5.3415** | **0.0338** | **1.7953** | **0.1508** | **1.9171** | **0.5361** | **0.1389** | **0.6750** | **0.0000** | **3,182.0671** | **3,182.0671** | **0.2780** | **0.0000** | **3,189.0167** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **24.92** | **0.00** | **23.54** | **30.92** | **0.00** | **26.44** | **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 | 1-1-2025 | 3-31-2025 | 0.8934 | 0.8934 |
| 2 | 4-1-2025 | 6-30-2025 | 1.1371 | 1.1371 |
| 3 | 7-1-2025 | 9-30-2025 | 2.5683 | 2.5683 |
| 4 | 10-1-2025 | 12-31-2025 | 2.5626 | 2.5626 |
| 5 | 1-1-2026 | 3-31-2026 | 2.4859 | 2.4859 |
| 6 | 4-1-2026 | 6-30-2026 | 2.5195 | 2.5195 |
| 7 | 7-1-2026 | 9-30-2026 | 1.7966 | 1.7966 |
| 8 | 10-1-2026 | 12-31-2026 | 1.6313 | 1.6313 |
| 9 | 1-1-2027 | 3-31-2027 | 1.5786 | 1.5786 |
| 10 | 4-1-2027 | 6-30-2027 | 1.6057 | 1.6057 |
| 11 | 7-1-2027 | 9-30-2027 | 1.6233 | 1.6233 |
| 12 | 10-1-2027 | 12-31-2027 | 1.6137 | 1.6137 |
| 13 | 1-1-2028 | 3-31-2028 | 1.5807 | 1.5807 |
| 14 | 4-1-2028 | 6-30-2028 | 0.3527 | 0.3527 |
| 15 | 7-1-2028 | 9-30-2028 | 0.3140 | 0.3140 |
| 16 | 10-1-2028 | 12-31-2028 | 0.3140 | 0.3140 |
| 17 | 1-1-2029 | 3-31-2029 | 1.1800 | 1.1800 |
| 18 | 4-1-2029 | 6-30-2029 | 1.7813 | 1.7813 |
| 19 | 7-1-2029 | 9-30-2029 | 1.8009 | 1.8009 |
| | | Highest | 2.5683 | 2.5683 |

## 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 | 10.2151 | 2.2000e-004 | 0.0241 | 0.0000 | | 9.0000e-005 | 9.0000e-005 | | 9.0000e-005 | 9.0000e-005 | 0.0000 | 0.0470 | 0.0470 | 1.2000e-004 | 0.0000 | 0.0501 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **10.2151** | **2.2000e-004** | **0.0241** | **0.0000** | **0.0000** | **9.0000e-005** | **9.0000e-005** | **0.0000** | **9.0000e-005** | **9.0000e-005** | **0.0000** | **0.0470** | **0.0470** | **1.2000e-004** | **0.0000** | **0.0501** |

## 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 | 10.2151 | 2.2000e-004 | 0.0241 | 0.0000 | | 9.0000e-005 | 9.0000e-005 | | 9.0000e-005 | 9.0000e-005 | 0.0000 | 0.0470 | 0.0470 | 1.2000e-004 | 0.0000 | 0.0501 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **10.2151** | **2.2000e-004** | **0.0241** | **0.0000** | **0.0000** | **9.0000e-005** | **9.0000e-005** | **0.0000** | **9.0000e-005** | **9.0000e-005** | **0.0000** | **0.0470** | **0.0470** | **1.2000e-004** | **0.0000** | **0.0501** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | 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 | Site Preparation | Site Preparation | 1/1/2025 | 6/17/2025 | 5 | 120 | |
| 2 | Grading | Grading | 6/18/2025 | 7/14/2026 | 5 | 280 | |
| 3 | Building Construction | Building Construction | 7/14/2026 | 4/3/2028 | 5 | 450 | |
| 4 | Paving | Paving | 4/4/2028 | 2/5/2029 | 5 | 220 | |
| 5 | Architectural Coating | Architectural Coating | 2/6/2029 | 12/24/2029 | 5 | 230 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 775**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 3,922,490; Non-Residential Outdoor: 1,307,497; Striped Parking**

**OffRoad Equipment**

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| 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 |
| 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 |
| 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 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 8 | 20.00 | 0.00 | 92,969.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 1,098.00 | 429.00 | 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 |
| Architectural Coating | 1 | 220.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

## 3.2 Site Preparation - 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 | | | | | 1.0840 | 0.0000 | 1.0840 | 0.5958 | 0.0000 | 0.5958 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1484 | 1.5140 | 1.0747 | 2.2900e-003 | | 0.0652 | 0.0652 | | 0.0600 | 0.0600 | 0.0000 | 200.8019 | 200.8019 | 0.0649 | 0.0000 | 202.4255 |
| **Total** | **0.1484** | **1.5140** | **1.0747** | **2.2900e-003** | **1.0840** | **0.0652** | **1.1492** | **0.5958** | **0.0600** | **0.6558** | **0.0000** | **200.8019** | **200.8019** | **0.0649** | **0.0000** | **202.4255** |

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.0700e-003 | 1.9000e-003 | 0.0214 | 7.0000e-005 | 8.7000e-003 | 5.0000e-005 | 8.7600e-003 | 2.3100e-003 | 5.0000e-005 | 2.3600e-003 | 0.0000 | 6.2727 | 6.2727 | 1.4000e-004 | 0.0000 | 6.2761 |
| **Total** | **3.0700e-003** | **1.9000e-003** | **0.0214** | **7.0000e-005** | **8.7000e-003** | **5.0000e-005** | **8.7600e-003** | **2.3100e-003** | **5.0000e-005** | **2.3600e-003** | **0.0000** | **6.2727** | **6.2727** | **1.4000e-004** | **0.0000** | **6.2761** |

## 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 | | | | | 0.4228 | 0.0000 | 0.4228 | 0.2324 | 0.0000 | 0.2324 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1484 | 1.5140 | 1.0747 | 2.2900e-003 | | 0.0652 | 0.0652 | | 0.0600 | 0.0600 | 0.0000 | 200.8017 | 200.8017 | 0.0649 | 0.0000 | 202.4253 |
| **Total** | **0.1484** | **1.5140** | **1.0747** | **2.2900e-003** | **0.4228** | **0.0652** | **0.4880** | **0.2324** | **0.0600** | **0.2924** | **0.0000** | **200.8017** | **200.8017** | **0.0649** | **0.0000** | **202.4253** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.0700e-003 | 1.9000e-003 | 0.0214 | 7.0000e-005 | 8.7000e-003 | 5.0000e-005 | 8.7600e-003 | 2.3100e-003 | 5.0000e-005 | 2.3600e-003 | 0.0000 | 6.2727 | 6.2727 | 1.4000e-004 | 0.0000 | 6.2761 |
| **Total** | **3.0700e-003** | **1.9000e-003** | **0.0214** | **7.0000e-005** | **8.7000e-003** | **5.0000e-005** | **8.7600e-003** | **2.3100e-003** | **5.0000e-005** | **2.3600e-003** | **0.0000** | **6.2727** | **6.2727** | **1.4000e-004** | **0.0000** | **6.2761** |

## 3.3 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 | | | | | 0.9400 | 0.0000 | 0.9400 | 0.2936 | 0.0000 | 0.2936 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.2045 | 1.9700 | 1.8563 | 4.3800e-003 | | 0.0797 | 0.0797 | | 0.0734 | 0.0734 | 0.0000 | 384.2688 | 384.2688 | 0.1243 | 0.0000 | 387.3758 |
| **Total** | **0.2045** | **1.9700** | **1.8563** | **4.3800e-003** | **0.9400** | **0.0797** | **1.0197** | **0.2936** | **0.0734** | **0.3669** | **0.0000** | **384.2688** | **384.2688** | **0.1243** | **0.0000** | **387.3758** |

### 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 | 0.0924 | 3.2838 | 0.7447 | 0.0170 | 0.7012 | 5.7000e-003 | 0.7069 | 0.1839 | 5.4600e-003 | 0.1893 | 0.0000 | 1,641.7858 | 1,641.7858 | 0.0803 | 0.0000 | 1,643.7924 |
| 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 | 4.0100e-003 | 2.4800e-003 | 0.0279 | 9.0000e-005 | 0.0114 | 7.0000e-005 | 0.0114 | 3.0200e-003 | 6.0000e-005 | 3.0800e-003 | 0.0000 | 8.1893 | 8.1893 | 1.8000e-004 | 0.0000 | 8.1938 |
| **Total** | **0.0965** | **3.2863** | **0.7726** | **0.0171** | **0.7126** | **5.7700e-003** | **0.7184** | **0.1869** | **5.5200e-003** | **0.1924** | **0.0000** | **1,649.9751** | **1,649.9751** | **0.0805** | **0.0000** | **1,651.9863** |

## 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 | | | | | 0.3666 | 0.0000 | 0.3666 | 0.1145 | 0.0000 | 0.1145 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.2045 | 1.9700 | 1.8563 | 4.3800e-003 | | 0.0797 | 0.0797 | | 0.0734 | 0.0734 | 0.0000 | 384.2683 | 384.2683 | 0.1243 | 0.0000 | 387.3753 |
| **Total** | **0.2045** | **1.9700** | **1.8563** | **4.3800e-003** | **0.3666** | **0.0797** | **0.4463** | **0.1145** | **0.0734** | **0.1878** | **0.0000** | **384.2683** | **384.2683** | **0.1243** | **0.0000** | **387.3753** |

## 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 | 0.0924 | 3.2838 | 0.7447 | 0.0170 | 0.7012 | 5.7000e-003 | 0.7069 | 0.1839 | 5.4600e-003 | 0.1893 | 0.0000 | 1,641.7858 | 1,641.7858 | 0.0803 | 0.0000 | 1,643.7924 |
| 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 | 4.0100e-003 | 2.4800e-003 | 0.0279 | 9.0000e-005 | 0.0114 | 7.0000e-005 | 0.0114 | 3.0200e-003 | 6.0000e-005 | 3.0800e-003 | 0.0000 | 8.1893 | 8.1893 | 1.8000e-004 | 0.0000 | 8.1938 |
| **Total** | **0.0965** | **3.2863** | **0.7726** | **0.0171** | **0.7126** | **5.7700e-003** | **0.7184** | **0.1869** | **5.5200e-003** | **0.1924** | **0.0000** | **1,649.9751** | **1,649.9751** | **0.0805** | **0.0000** | **1,651.9863** |

## 3.3 Grading - 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 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fugitive Dust | | | | | 0.9340 | 0.0000 | 0.9340 | 0.2903 | 0.0000 | 0.2903 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.2016 | 1.9420 | 1.8300 | 4.3100e-003 | | 0.0786 | 0.0786 | | 0.0723 | 0.0723 | 0.0000 | 378.8182 | 378.8182 | 0.1225 | 0.0000 | 381.8811 |
| **Total** | **0.2016** | **1.9420** | **1.8300** | **4.3100e-003** | **0.9340** | **0.0786** | **1.0126** | **0.2903** | **0.0723** | **0.3626** | **0.0000** | **378.8182** | **378.8182** | **0.1225** | **0.0000** | **381.8811** |

## 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 | 0.0905 | 3.1919 | 0.7332 | 0.0167 | 0.6998 | 5.5400e-003 | 0.7053 | 0.1834 | 5.3000e-003 | 0.1887 | 0.0000 | 1,610.0520 | 1,610.0520 | 0.0790 | 0.0000 | 1,612.0260 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.7400e-003 | 2.2300e-003 | 0.0256 | 9.0000e-005 | 0.0112 | 7.0000e-005 | 0.0113 | 2.9800e-003 | 6.0000e-005 | 3.0400e-003 | 0.0000 | 7.7804 | 7.7804 | 1.6000e-004 | 0.0000 | 7.7845 |
| **Total** | **0.0943** | **3.1941** | **0.7587** | **0.0168** | **0.7110** | **5.6100e-003** | **0.7166** | **0.1863** | **5.3600e-003** | **0.1917** | **0.0000** | **1,617.8324** | **1,617.8324** | **0.0791** | **0.0000** | **1,619.8105** |

## 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 | | | | | 0.3643 | 0.0000 | 0.3643 | 0.1132 | 0.0000 | 0.1132 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.2016 | 1.9420 | 1.8300 | 4.3100e-003 | | 0.0786 | 0.0786 | | 0.0723 | 0.0723 | 0.0000 | 378.8177 | 378.8177 | 0.1225 | 0.0000 | 381.8807 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **0.2016** | **1.9420** | **1.8300** | **4.3100e-003** | **0.3643** | **0.0786** | **0.4429** | **0.1132** | **0.0723** | **0.1855** | **0.0000** | **378.8177** | **378.8177** | **0.1225** | **0.0000** | **381.8807** |

**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 | 0.0905 | 3.1919 | 0.7332 | 0.0167 | 0.6998 | 5.5400e-003 | 0.7053 | 0.1834 | 5.3000e-003 | 0.1887 | 0.0000 | 1,610.0520 | 1,610.0520 | 0.0790 | 0.0000 | 1,612.0260 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.7400e-003 | 2.2300e-003 | 0.0256 | 9.0000e-005 | 0.0112 | 7.0000e-005 | 0.0113 | 2.9800e-003 | 6.0000e-005 | 3.0400e-003 | 0.0000 | 7.7804 | 7.7804 | 1.6000e-004 | 0.0000 | 7.7845 |
| **Total** | **0.0943** | **3.1941** | **0.7587** | **0.0168** | **0.7110** | **5.6100e-003** | **0.7166** | **0.1863** | **5.3600e-003** | **0.1917** | **0.0000** | **1,617.8324** | **1,617.8324** | **0.0791** | **0.0000** | **1,619.8105** |

## 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 | 0.0841 | 0.7669 | 0.9892 | 1.6600e-003 | | 0.0324 | 0.0324 | | 0.0305 | 0.0305 | 0.0000 | 142.6305 | 142.6305 | 0.0335 | 0.0000 | 143.4687 |
| **Total** | **0.0841** | **0.7669** | **0.9892** | **1.6600e-003** | | **0.0324** | **0.0324** | | **0.0305** | **0.0305** | **0.0000** | **142.6305** | **142.6305** | **0.0335** | **0.0000** | **143.4687** |

**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 | 0.0473 | 1.8791 | 0.3818 | 6.9400e-003 | 0.1759 | 1.8700e-003 | 0.1778 | 0.0508 | 1.7800e-003 | 0.0526 | 0.0000 | 664.8083 | 664.8083 | 0.0350 | 0.0000 | 665.6828 |
| Worker | 0.1818 | 0.1085 | 1.2415 | 4.1800e-003 | 0.5442 | 3.2500e-003 | 0.5474 | 0.1445 | 2.9900e-003 | 0.1475 | 0.0000 | 377.9783 | 377.9783 | 7.8400e-003 | 0.0000 | 378.1743 |
| **Total** | **0.2291** | **1.9876** | **1.6233** | **0.0111** | **0.7201** | **5.1200e-003** | **0.7252** | **0.1953** | **4.7700e-003** | **0.2001** | **0.0000** | **1,042.7866** | **1,042.7866** | **0.0428** | **0.0000** | **1,043.8571** |

## 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 | 0.0841 | 0.7669 | 0.9892 | 1.6600e-003 | | 0.0324 | 0.0324 | | 0.0305 | 0.0305 | 0.0000 | 142.6303 | 142.6303 | 0.0335 | 0.0000 | 143.4685 |
| **Total** | **0.0841** | **0.7669** | **0.9892** | **1.6600e-003** | | **0.0324** | **0.0324** | | **0.0305** | **0.0305** | **0.0000** | **142.6303** | **142.6303** | **0.0335** | **0.0000** | **143.4685** |

## 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 | 0.0473 | 1.8791 | 0.3818 | 6.9400e-003 | 0.1759 | 1.8700e-003 | 0.1778 | 0.0508 | 1.7800e-003 | 0.0526 | 0.0000 | 664.8083 | 664.8083 | 0.0350 | 0.0000 | 665.6828 |
| Worker | 0.1818 | 0.1085 | 1.2415 | 4.1800e-003 | 0.5442 | 3.2500e-003 | 0.5474 | 0.1445 | 2.9900e-003 | 0.1475 | 0.0000 | 377.9783 | 377.9783 | 7.8400e-003 | 0.0000 | 378.1743 |
| **Total** | **0.2291** | **1.9876** | **1.6233** | **0.0111** | **0.7201** | **5.1200e-003** | **0.7252** | **0.1953** | **4.7700e-003** | **0.2001** | **0.0000** | **1,042.7866** | **1,042.7866** | **0.0428** | **0.0000** | **1,043.8571** |

## 3.4 Building Construction - 2027

### 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 | 0.1785 | 1.6273 | 2.0991 | 3.5200e-003 | | 0.0689 | 0.0689 | | 0.0648 | 0.0648 | 0.0000 | 302.6549 | 302.6549 | 0.0711 | 0.0000 | 304.4335 |
| **Total** | **0.1785** | **1.6273** | **2.0991** | **3.5200e-003** | | **0.0689** | **0.0689** | | **0.0648** | **0.0648** | **0.0000** | **302.6549** | **302.6549** | **0.0711** | **0.0000** | **304.4335** |

### 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 | 0.0985 | 3.9599 | 0.7884 | 0.0146 | 0.3733 | 3.9000e-003 | 0.3772 | 0.1077 | 3.7300e-003 | 0.1115 | 0.0000 | 1,404.1414 | 1,404.1414 | 0.0736 | 0.0000 | 1,405.9807 |
| Worker | 0.3649 | 0.2109 | 2.4540 | 8.5700e-003 | 1.1547 | 6.5400e-003 | 1.1612 | 0.3067 | 6.0100e-003 | 0.3127 | 0.0000 | 775.4151 | 775.4151 | 0.0151 | 0.0000 | 775.7937 |
| **Total** | **0.4634** | **4.1708** | **3.2424** | **0.0232** | **1.5280** | **0.0104** | **1.5384** | **0.4144** | **9.7400e-003** | **0.4242** | **0.0000** | **2,179.5565** | **2,179.5565** | **0.0887** | **0.0000** | **2,181.7744** |

**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 | 0.1784 | 1.6273 | 2.0991 | 3.5200e-003 | | 0.0689 | 0.0689 | | 0.0648 | 0.0648 | 0.0000 | 302.6545 | 302.6545 | 0.0711 | 0.0000 | 304.4331 |
| **Total** | **0.1784** | **1.6273** | **2.0991** | **3.5200e-003** | | **0.0689** | **0.0689** | | **0.0648** | **0.0648** | **0.0000** | **302.6545** | **302.6545** | **0.0711** | **0.0000** | **304.4331** |

**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 | 0.0985 | 3.9599 | 0.7884 | 0.0146 | 0.3733 | 3.9000e-003 | 0.3772 | 0.1077 | 3.7300e-003 | 0.1115 | 0.0000 | 1,404.1414 | 1,404.1414 | 0.0736 | 0.0000 | 1,405.9807 |
| Worker | 0.3649 | 0.2109 | 2.4540 | 8.5700e-003 | 1.1547 | 6.5400e-003 | 1.1612 | 0.3067 | 6.0100e-003 | 0.3127 | 0.0000 | 775.4151 | 775.4151 | 0.0151 | 0.0000 | 775.7937 |
| **Total** | **0.4634** | **4.1708** | **3.2424** | **0.0232** | **1.5280** | **0.0104** | **1.5384** | **0.4144** | **9.7400e-003** | **0.4242** | **0.0000** | **2,179.5565** | **2,179.5565** | **0.0887** | **0.0000** | **2,181.7744** |

## 3.4 Building Construction - 2028

**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 | 0.0451 | 0.4115 | 0.5308 | 8.9000e-004 | | 0.0174 | 0.0174 | | 0.0164 | 0.0164 | 0.0000 | 76.5334 | 76.5334 | 0.0180 | 0.0000 | 76.9832 |
| **Total** | **0.0451** | **0.4115** | **0.5308** | **8.9000e-004** | | **0.0174** | **0.0174** | | **0.0164** | **0.0164** | **0.0000** | **76.5334** | **76.5334** | **0.0180** | **0.0000** | **76.9832** |

## 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 | 0.0245 | 0.9959 | 0.1951 | 3.6900e-003 | 0.0944 | 9.8000e-004 | 0.0954 | 0.0272 | 9.3000e-004 | 0.0282 | 0.0000 | 353.6670 | 353.6670 | 0.0184 | 0.0000 | 354.1273 |
| Worker | 0.0869 | 0.0489 | 0.5806 | 2.1000e-003 | 0.2920 | 1.5300e-003 | 0.2935 | 0.0776 | 1.4100e-003 | 0.0790 | 0.0000 | 190.1675 | 190.1675 | 3.5000e-003 | 0.0000 | 190.2551 |
| **Total** | **0.1114** | **1.0449** | **0.7757** | **5.7900e-003** | **0.3864** | **2.5100e-003** | **0.3889** | **0.1048** | **2.3400e-003** | **0.1072** | **0.0000** | **543.8345** | **543.8345** | **0.0219** | **0.0000** | **544.3825** |

## 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 | 0.0451 | 0.4115 | 0.5308 | 8.9000e-004 | | 0.0174 | 0.0174 | | 0.0164 | 0.0164 | 0.0000 | 76.5333 | 76.5333 | 0.0180 | 0.0000 | 76.9831 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **0.0451** | **0.4115** | **0.5308** | **8.9000e-004** | | **0.0174** | **0.0174** | | **0.0164** | **0.0164** | **0.0000** | **76.5333** | **76.5333** | **0.0180** | **0.0000** | **76.9831** |

**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 | 0.0245 | 0.9959 | 0.1951 | 3.6900e-003 | 0.0944 | 9.8000e-004 | 0.0954 | 0.0272 | 9.3000e-004 | 0.0282 | 0.0000 | 353.6670 | 353.6670 | 0.0184 | 0.0000 | 354.1273 |
| Worker | 0.0869 | 0.0489 | 0.5806 | 2.1000e-003 | 0.2920 | 1.5300e-003 | 0.2935 | 0.0776 | 1.4100e-003 | 0.0790 | 0.0000 | 190.1675 | 190.1675 | 3.5000e-003 | 0.0000 | 190.2551 |
| **Total** | **0.1114** | **1.0449** | **0.7757** | **5.7900e-003** | **0.3864** | **2.5100e-003** | **0.3889** | **0.1048** | **2.3400e-003** | **0.1072** | **0.0000** | **543.8345** | **543.8345** | **0.0219** | **0.0000** | **544.3825** |

## 3.5 Paving - 2028

**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 | 0.0888 | 0.8324 | 1.4141 | 2.2100e-003 | | 0.0406 | 0.0406 | | 0.0374 | 0.0374 | 0.0000 | 194.1868 | 194.1868 | 0.0628 | 0.0000 | 195.7569 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0888** | **0.8324** | **1.4141** | **2.2100e-003** | | **0.0406** | **0.0406** | | **0.0374** | **0.0374** | **0.0000** | **194.1868** | **194.1868** | **0.0628** | **0.0000** | **195.7569** |

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.4900e-003 | 1.9700e-003 | 0.0233 | 8.0000e-005 | 0.0117 | 6.0000e-005 | 0.0118 | 3.1100e-003 | 6.0000e-005 | 3.1700e-003 | 0.0000 | 7.6363 | 7.6363 | 1.4000e-004 | 0.0000 | 7.6398 |
| **Total** | **3.4900e-003** | **1.9700e-003** | **0.0233** | **8.0000e-005** | **0.0117** | **6.0000e-005** | **0.0118** | **3.1100e-003** | **6.0000e-005** | **3.1700e-003** | **0.0000** | **7.6363** | **7.6363** | **1.4000e-004** | **0.0000** | **7.6398** |

## 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 | 0.0888 | 0.8324 | 1.4141 | 2.2100e-003 | | 0.0406 | 0.0406 | | 0.0374 | 0.0374 | 0.0000 | 194.1865 | 194.1865 | 0.0628 | 0.0000 | 195.7566 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0888** | **0.8324** | **1.4141** | **2.2100e-003** | | **0.0406** | **0.0406** | | **0.0374** | **0.0374** | **0.0000** | **194.1865** | **194.1865** | **0.0628** | **0.0000** | **195.7566** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.4900e-003 | 1.9700e-003 | 0.0233 | 8.0000e-005 | 0.0117 | 6.0000e-005 | 0.0118 | 3.1100e-003 | 6.0000e-005 | 3.1700e-003 | 0.0000 | 7.6363 | 7.6363 | 1.4000e-004 | 0.0000 | 7.6398 |
| **Total** | **3.4900e-003** | **1.9700e-003** | **0.0233** | **8.0000e-005** | **0.0117** | **6.0000e-005** | **0.0118** | **3.1100e-003** | **6.0000e-005** | **3.1700e-003** | **0.0000** | **7.6363** | **7.6363** | **1.4000e-004** | **0.0000** | **7.6398** |

## 3.5 Paving - 2029

### 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 | 0.0119 | 0.1116 | 0.1895 | 3.0000e-004 | | 5.4400e-003 | 5.4400e-003 | | 5.0100e-003 | 5.0100e-003 | 0.0000 | 26.0250 | 26.0250 | 8.4200e-003 | 0.0000 | 26.2355 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0119** | **0.1116** | **0.1895** | **3.0000e-004** | | **5.4400e-003** | **5.4400e-003** | | **5.0100e-003** | **5.0100e-003** | **0.0000** | **26.0250** | **26.0250** | **8.4200e-003** | **0.0000** | **26.2355** |

### 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 | 4.4000e-004 | 2.4000e-004 | 2.9200e-003 | 1.0000e-005 | 1.5700e-003 | 1.0000e-005 | 1.5800e-003 | 4.2000e-004 | 1.0000e-005 | 4.2000e-004 | 0.0000 | 0.9954 | 0.9954 | 2.0000e-005 | 0.0000 | 0.9958 |
| **Total** | **4.4000e-004** | **2.4000e-004** | **2.9200e-003** | **1.0000e-005** | **1.5700e-003** | **1.0000e-005** | **1.5800e-003** | **4.2000e-004** | **1.0000e-005** | **4.2000e-004** | **0.0000** | **0.9954** | **0.9954** | **2.0000e-005** | **0.0000** | **0.9958** |

## 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 | 0.0119 | 0.1116 | 0.1895 | 3.0000e-004 | | 5.4400e-003 | 5.4400e-003 | | 5.0100e-003 | 5.0100e-003 | 0.0000 | 26.0250 | 26.0250 | 8.4200e-003 | 0.0000 | 26.2354 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0119** | **0.1116** | **0.1895** | **3.0000e-004** | | **5.4400e-003** | **5.4400e-003** | | **5.0100e-003** | **5.0100e-003** | **0.0000** | **26.0250** | **26.0250** | **8.4200e-003** | **0.0000** | **26.2354** |

## 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 | 4.4000e-004 | 2.4000e-004 | 2.9200e-003 | 1.0000e-005 | 1.5700e-003 | 1.0000e-005 | 1.5800e-003 | 4.2000e-004 | 1.0000e-005 | 4.2000e-004 | 0.0000 | 0.9954 | 0.9954 | 2.0000e-005 | 0.0000 | 0.9958 |
| **Total** | **4.4000e-004** | **2.4000e-004** | **2.9200e-003** | **1.0000e-005** | **1.5700e-003** | **1.0000e-005** | **1.5800e-003** | **4.2000e-004** | **1.0000e-005** | **4.2000e-004** | **0.0000** | **0.9954** | **0.9954** | **2.0000e-005** | **0.0000** | **0.9958** |

## 3.6 Architectural Coating - 2029

### 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 | 6.0603 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0197 | 0.1317 | 0.2081 | 3.4000e-004 | | 5.9200e-003 | 5.9200e-003 | | 5.9200e-003 | 5.9200e-003 | 0.0000 | 29.3624 | 29.3624 | 1.6000e-003 | 0.0000 | 29.4025 |
| **Total** | **6.0799** | **0.1317** | **0.2081** | **3.4000e-004** | | **5.9200e-003** | **5.9200e-003** | | **5.9200e-003** | **5.9200e-003** | **0.0000** | **29.3624** | **29.3624** | **1.6000e-003** | **0.0000** | **29.4025** |

## 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 | 0.0566 | 0.0313 | 0.3784 | 1.4300e-003 | 0.2039 | 1.0000e-003 | 0.2049 | 0.0542 | 9.2000e-004 | 0.0551 | 0.0000 | 129.1437 | 129.1437 | 2.2300e-003 | 0.0000 | 129.1993 |
| **Total** | **0.0566** | **0.0313** | **0.3784** | **1.4300e-003** | **0.2039** | **1.0000e-003** | **0.2049** | **0.0542** | **9.2000e-004** | **0.0551** | **0.0000** | **129.1437** | **129.1437** | **2.2300e-003** | **0.0000** | **129.1993** |

## 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 | 6.0603 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road | 0.0197 | 0.1317 | 0.2081 | 3.4000e-004 | | 5.9200e-003 | 5.9200e-003 | | 5.9200e-003 | 5.9200e-003 | 0.0000 | 29.3624 | 29.3624 | 1.6000e-003 | 0.0000 | 29.4024 |
| **Total** | **6.0799** | **0.1317** | **0.2081** | **3.4000e-004** | | **5.9200e-003** | **5.9200e-003** | | **5.9200e-003** | **5.9200e-003** | **0.0000** | **29.3624** | **29.3624** | **1.6000e-003** | **0.0000** | **29.4024** |

**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 | 0.0566 | 0.0313 | 0.3784 | 1.4300e-003 | 0.2039 | 1.0000e-003 | 0.2049 | 0.0542 | 9.2000e-004 | 0.0551 | 0.0000 | 129.1437 | 129.1437 | 2.2300e-003 | 0.0000 | 129.1993 |
| **Total** | **0.0566** | **0.0313** | **0.3784** | **1.4300e-003** | **0.2039** | **1.0000e-003** | **0.2049** | **0.0542** | **9.2000e-004** | **0.0551** | **0.0000** | **129.1437** | **129.1437** | **2.2300e-003** | **0.0000** | **129.1993** |

# 4.0 Operational Detail - Mobile

## 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Convenience Market With Gas Pumps | 0.00 | 0.00 | 0.00 | | |
| Fast Food Restaurant w/o Drive Thru | 0.00 | 0.00 | 0.00 | | |
| General Heavy Industry | 0.00 | 0.00 | 0.00 | | |
| General Light Industry | 0.00 | 0.00 | 0.00 | | |
| High Turnover (Sit Down Restaurant) | 0.00 | 0.00 | 0.00 | | |
| Manufacturing | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | 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 |
| Convenience Market With Gas Pumps | 9.50 | 7.30 | 7.30 | 0.80 | 80.20 | 19.00 | 14 | 21 | 65 |
| Fast Food Restaurant w/o Drive Thru | 9.50 | 7.30 | 7.30 | 1.50 | 79.50 | 19.00 | 51 | 37 | 12 |
| General Heavy Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| High Turnover (Sit Down Restaurant) | 9.50 | 7.30 | 7.30 | 8.50 | 72.50 | 19.00 | 37 | 20 | 43 |
| Manufacturing | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Unrefrigerated Warehouse-No Rail | 9.50 | 7.30 | 7.30 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Convenience Market With Gas Pumps | 0.568260 | 0.033614 | 0.184668 | 0.102877 | 0.010818 | 0.004253 | 0.018932 | 0.067054 | 0.001372 | 0.001348 | 0.005404 | 0.000777 | 0.000623 |
| Fast Food Restaurant w/o Drive Thru | 0.568260 | 0.033614 | 0.184668 | 0.102877 | 0.010818 | 0.004253 | 0.018932 | 0.067054 | 0.001372 | 0.001348 | 0.005404 | 0.000777 | 0.000623 |
| General Heavy Industry | 0.568260 | 0.033614 | 0.184668 | 0.102877 | 0.010818 | 0.004253 | 0.018932 | 0.067054 | 0.001372 | 0.001348 | 0.005404 | 0.000777 | 0.000623 |
| General Light Industry | 0.568260 | 0.033614 | 0.184668 | 0.102877 | 0.010818 | 0.004253 | 0.018932 | 0.067054 | 0.001372 | 0.001348 | 0.005404 | 0.000777 | 0.000623 |
| High Turnover (Sit Down Restaurant) | 0.568260 | 0.033614 | 0.184668 | 0.102877 | 0.010818 | 0.004253 | 0.018932 | 0.067054 | 0.001372 | 0.001348 | 0.005404 | 0.000777 | 0.000623 |
| Manufacturing | 0.568260 | 0.033614 | 0.184668 | 0.102877 | 0.010818 | 0.004253 | 0.018932 | 0.067054 | 0.001372 | 0.001348 | 0.005404 | 0.000777 | 0.000623 |
| Unrefrigerated Warehouse-No Rail | 0.568260 | 0.033614 | 0.184668 | 0.102877 | 0.010818 | 0.004253 | 0.018932 | 0.067054 | 0.001372 | 0.001348 | 0.005404 | 0.000777 | 0.000623 |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

### 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 | | | | | |
| Convenience Market With Gas Pumps | 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 |
| Fast Food Restaurant w/o Drive Thru | 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 |
| General Heavy Industry | 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 |
| General Light Industry | 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 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| High Turnover (Sit Down Restaurant) | 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 |
| Manufacturing | 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 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | | | | | |
| Convenience Market With Gas Pumps | 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 |
| Fast Food Restaurant w/o Drive Thru | 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 |
| General Heavy Industry | 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 |
| General Light Industry | 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 |
| High Turnover (Sit Down Restaurant) | 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 |
| Manufacturing | 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 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 5.3 Energy by Land Use - Electricity

**Unmitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|

| Land Use | kWh/yr | MT/yr | | | |
|---|---|---|---|---|---|
| Convenience Market With Gas Pumps | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Fast Food Restaurant w/o Drive-Thru | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Heavy Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| High Turnover (Sit Down Restaurant) | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Convenience Market With Gas Pumps | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Fast Food Restaurant w/o Drive-Thru | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Heavy Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| High Turnover (Sit Down Restaurant) | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | |
|---|---|---|---|---|---|
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

| | ROG | NOx | CO | SO2 | Fugitive 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 | 10.2151 | 2.2000e-004 | 0.0241 | 0.0000 | | 9.0000e-005 | 9.0000e-005 | | 9.0000e-005 | 9.0000e-005 | 0.0000 | 0.0470 | 0.0470 | 1.2000e-004 | 0.0000 | 0.0501 |
| Unmitigated | 10.2151 | 2.2000e-004 | 0.0241 | 0.0000 | | 9.0000e-005 | 9.0000e-005 | | 9.0000e-005 | 9.0000e-005 | 0.0000 | 0.0470 | 0.0470 | 1.2000e-004 | 0.0000 | 0.0501 |

### 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 | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Consumer Products | 10.2129 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 2.2000e-003 | 2.2000e-004 | 0.0241 | 0.0000 | | 9.0000e-005 | 9.0000e-005 | | 9.0000e-005 | 9.0000e-005 | 0.0000 | 0.0470 | 0.0470 | 1.2000e-004 | 0.0000 | 0.0501 |
| **Total** | **10.2151** | **2.2000e-004** | **0.0241** | **0.0000** | | **9.0000e-005** | **9.0000e-005** | | **9.0000e-005** | **9.0000e-005** | **0.0000** | **0.0470** | **0.0470** | **1.2000e-004** | **0.0000** | **0.0501** |

**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 | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 10.2129 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 2.2000e-003 | 2.2000e-004 | 0.0241 | 0.0000 | | 9.0000e-005 | 9.0000e-005 | | 9.0000e-005 | 9.0000e-005 | 0.0000 | 0.0470 | 0.0470 | 1.2000e-004 | 0.0000 | 0.0501 |
| **Total** | **10.2151** | **2.2000e-004** | **0.0241** | **0.0000** | | **9.0000e-005** | **9.0000e-005** | | **9.0000e-005** | **9.0000e-005** | **0.0000** | **0.0470** | **0.0470** | **1.2000e-004** | **0.0000** | **0.0501** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| Category | MT/yr | | | |
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

## 7.2 Water by Land Use

### Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Convenience Market With Gas Pumps | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Fast Food Restaurant w/o Drive Thru | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Heavy Industry | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| High Turnover (Sit Down Restaurant) | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Convenience Market With Gas Pumps | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Fast Food Restaurant w/o Drive Thru | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | |
|---|---|---|---|---|---|
| General Heavy Industry | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| High Turnover (Sit Down Restaurant) | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

# 8.0 Waste Detail

## 8.1 Mitigation Measures Waste

**Category/Year**

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

## 8.2 Waste by Land Use

**Unmitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|

| Land Use | tons | MT/yr | | | |
|---|---|---|---|---|---|
| Fast Food Restaurant w/o Drive-Thru | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Heavy Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| High Turnover (Sit Down Restaurant) | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**Mitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Fast Food Restaurant w/o Drive-Thru | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Heavy Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| High Turnover (Sit Down Restaurant) | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

## 11.0 Vegetation

# SCLA Specific Plan - Phase One - Construction Only

**San Bernardino-Mojave Desert County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Heavy Industry | 169.00 | 1000sqft | 8.03 | 169,000.00 | 0 |
| General Light Industry | 22.54 | 1000sqft | 1.07 | 22,540.00 | 0 |
| Manufacturing | 147.89 | 1000sqft | 7.02 | 147,890.00 | 0 |
| Unrefrigerated Warehouse-No Rail | 2,264.04 | 1000sqft | 107.52 | 2,264,040.00 | 0 |
| Fast Food Restaurant w/o Drive Thru | 2.70 | 1000sqft | 0.13 | 2,700.00 | 0 |
| High Turnover (Sit Down Restaurant) | 6.00 | 1000sqft | 0.28 | 6,000.00 | 0 |
| Convenience Market With Gas Pumps | 20.00 | Pump | 0.95 | 2,823.50 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.6 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 10 | | | **Operational Year** | 2030 |
| **Utility Company** | Statewide Average | | | | |
| **CO2 Intensity (lb/MWhr)** | 1001.57 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Phase 1 Construction buildout on 125 acres.

Construction Phase - Construction would be complete in 5 years (2030) for Phase One.

Grading - Balanced Cut & Fill.

Architectural Coating - MDAQMD Rule 1113

Vehicle Trips - Construction Emisions Only. Separate Operation Run has been done.

Area Coating - Construction Emisions Only. Separate Operation Run has been done.

Energy Use - Construction Emisions Only. Separate Operation Run has been done.

Water And Wastewater - Construction Emisions Only. Separate Operation Run has been done.

Solid Waste - Construction Emisions Only. Separate Operation Run has been done.

Construction Off-road Equipment Mitigation - MDAQMD Rule 403.2

Area Mitigation - MDAQMD Rule 1113, 50g/L VOC limit.

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblAreaCoating | Area_EF_Nonresidential_Exterior | 250 | 100 |
| tblAreaCoating | Area_EF_Nonresidential_Interior | 250 | 0 |
| tblAreaCoating | Area_EF_Parking | 250 | 100 |
| tblAreaCoating | Area_EF_Residential_Exterior | 250 | 100 |
| tblAreaCoating | Area_EF_Residential_Interior | 250 | 100 |
| tblAreaCoating | Area_Nonresidential_Exterior | 1307497 | 0 |
| tblAreaCoating | Area_Nonresidential_Interior | 3922490 | 0 |
| tblAreaMitigation | UseLowVOCPaintNonresidentialExteriorValue | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintNonresidentialInteriorValue | 0 | 50 |
| tblAreaMitigation | UseLowVOCPaintParkingCheck | False | True |
| tblAreaMitigation | UseLowVOCPaintParkingValue | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintResidentialExteriorValue | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintResidentialInteriorValue | 100 | 50 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 15 |
| tblConstructionPhase | NumDays | 220.00 | 230.00 |

| | | | |
|---|---|---|---|
| tblConstructionPhase | NumDays | 3,100.00 | 450.00 |
| tblConstructionPhase | NumDays | 310.00 | 280.00 |
| tblEnergyUse | LightingElect | 5.61 | 0.00 |
| tblEnergyUse | LightingElect | 6.62 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 6.62 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 1.17 | 0.00 |
| tblEnergyUse | NT24E | 2.44 | 0.00 |
| tblEnergyUse | NT24E | 28.48 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 28.48 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 0.82 | 0.00 |
| tblEnergyUse | NT24NG | 0.30 | 0.00 |
| tblEnergyUse | NT24NG | 195.77 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 195.77 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 0.03 | 0.00 |
| tblEnergyUse | T24E | 4.58 | 0.00 |
| tblEnergyUse | T24E | 12.38 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 12.38 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 0.37 | 0.00 |

| | | | |
|---|---|---|---|
| tblEnergyUse | T24NG | 1.92 | 0.00 |
| tblEnergyUse | T24NG | 77.67 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 77.67 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 2.00 | 0.00 |
| tblGrading | AcresOfGrading | 700.00 | 775.00 |
| tblGrading | MaterialExported | 0.00 | 743,750.00 |
| tblGrading | MaterialImported | 0.00 | 743,750.00 |
| tblLandUse | LotAcreage | 3.88 | 8.03 |
| tblLandUse | LotAcreage | 0.52 | 1.07 |
| tblLandUse | LotAcreage | 3.40 | 7.02 |
| tblLandUse | LotAcreage | 51.98 | 107.52 |
| tblLandUse | LotAcreage | 0.06 | 0.13 |
| tblLandUse | LotAcreage | 0.14 | 0.28 |
| tblLandUse | LotAcreage | 0.06 | 0.95 |
| tblSolidWaste | SolidWasteGenerationRate | 31.10 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 209.56 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 27.95 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 71.40 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 183.38 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 2,128.20 | 0.00 |
| tblVehicleTrips | ST_TR | 204.47 | 0.00 |
| tblVehicleTrips | ST_TR | 696.00 | 0.00 |
| tblVehicleTrips | ST_TR | 1.50 | 0.00 |
| tblVehicleTrips | ST_TR | 1.32 | 0.00 |
| tblVehicleTrips | ST_TR | 158.37 | 0.00 |
| tblVehicleTrips | ST_TR | 1.49 | 0.00 |
| tblVehicleTrips | ST_TR | 1.68 | 0.00 |

| | | | |
|---|---|---|---|
| tblVehicleTrips | SU_TR | 166.88 | 0.00 |
| tblVehicleTrips | SU_TR | 500.00 | 0.00 |
| tblVehicleTrips | SU_TR | 1.50 | 0.00 |
| tblVehicleTrips | SU_TR | 0.68 | 0.00 |
| tblVehicleTrips | SU_TR | 131.84 | 0.00 |
| tblVehicleTrips | SU_TR | 0.62 | 0.00 |
| tblVehicleTrips | SU_TR | 1.68 | 0.00 |
| tblVehicleTrips | WD_TR | 542.60 | 0.00 |
| tblVehicleTrips | WD_TR | 716.00 | 0.00 |
| tblVehicleTrips | WD_TR | 1.50 | 0.00 |
| tblVehicleTrips | WD_TR | 6.97 | 0.00 |
| tblVehicleTrips | WD_TR | 127.15 | 0.00 |
| tblVehicleTrips | WD_TR | 3.82 | 0.00 |
| tblVehicleTrips | WD_TR | 1.68 | 0.00 |
| tblWater | IndoorWaterUseRate | 209,143.58 | 0.00 |
| tblWater | IndoorWaterUseRate | 819,541.02 | 0.00 |
| tblWater | IndoorWaterUseRate | 39,081,250.00 | 0.00 |
| tblWater | IndoorWaterUseRate | 5,212,375.00 | 0.00 |
| tblWater | IndoorWaterUseRate | 1,821,202.27 | 0.00 |
| tblWater | IndoorWaterUseRate | 34,199,562.50 | 0.00 |
| tblWater | IndoorWaterUseRate | 523,559,250.00 | 0.00 |
| tblWater | OutdoorWaterUseRate | 128,184.78 | 0.00 |
| tblWater | OutdoorWaterUseRate | 52,311.13 | 0.00 |
| tblWater | OutdoorWaterUseRate | 116,246.95 | 0.00 |

## 2.0 Emissions Summary

### 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 | | | | | |
| 2025 | 4.2512 | 73.9135 | 36.8741 | 0.3073 | 20.0057 | 1.2122 | 21.2179 | 9.9699 | 1.1182 | 10.9706 | 0.0000 | 32,099.7822 | 32,099.7822 | 3.1599 | 0.0000 | 32,178.7789 |
| 2026 | 9.6663 | 117.7946 | 82.0020 | 0.5214 | 32.0569 | 1.8215 | 33.8784 | 9.6987 | 1.6907 | 11.3894 | 0.0000 | 53,999.6245 | 53,999.6245 | 4.5120 | 0.0000 | 54,112.4251 |
| 2027 | 5.2301 | 44.1757 | 43.4428 | 0.2125 | 11.9258 | 0.6072 | 12.5331 | 3.2291 | 0.5706 | 3.7998 | 0.0000 | 21,740.0653 | 21,740.0653 | 1.3357 | 0.0000 | 21,773.4589 |
| 2028 | 5.0337 | 43.8971 | 41.9479 | 0.2099 | 11.9258 | 0.6034 | 12.5292 | 3.2291 | 0.5671 | 3.7962 | 0.0000 | 21,476.6457 | 21,476.6457 | 1.3178 | 0.0000 | 21,509.5915 |
| 2029 | 53.4181 | 8.5984 | 14.8385 | 0.0237 | 1.8073 | 0.4191 | 1.8674 | 0.4794 | 0.3856 | 0.5388 | 0.0000 | 2,298.7672 | 2,298.7672 | 0.7153 | 0.0000 | 2,316.6500 |
| **Maximum** | **53.4181** | **117.7946** | **82.0020** | **0.5214** | **32.0569** | **1.8215** | **33.8784** | **9.9699** | **1.6907** | **11.3894** | **0.0000** | **53,999.6245** | **53,999.6245** | **4.5120** | **0.0000** | **54,112.4251** |

## 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 | | | | | |
| 2025 | 4.2512 | 73.9135 | 36.8741 | 0.3073 | 14.0863 | 1.2122 | 15.2985 | 4.1573 | 1.1182 | 5.2755 | 0.0000 | 32,099.7822 | 32,099.7822 | 3.1599 | 0.0000 | 32,178.7789 |
| 2026 | 9.6663 | 117.7946 | 82.0020 | 0.5214 | 26.1375 | 1.8215 | 27.9590 | 7.4172 | 1.6907 | 9.1079 | 0.0000 | 53,999.6245 | 53,999.6245 | 4.5120 | 0.0000 | 54,112.4251 |
| 2027 | 5.2301 | 44.1757 | 43.4428 | 0.2125 | 11.9258 | 0.6072 | 12.5331 | 3.2291 | 0.5706 | 3.7998 | 0.0000 | 21,740.0653 | 21,740.0653 | 1.3357 | 0.0000 | 21,773.4589 |
| 2028 | 5.0337 | 43.8971 | 41.9479 | 0.2099 | 11.9258 | 0.6034 | 12.5292 | 3.2291 | 0.5671 | 3.7962 | 0.0000 | 21,476.6457 | 21,476.6457 | 1.3178 | 0.0000 | 21,509.5915 |
| 2029 | 53.4181 | 8.5984 | 14.8385 | 0.0237 | 1.8073 | 0.4191 | 1.8674 | 0.4794 | 0.3856 | 0.5388 | 0.0000 | 2,298.7672 | 2,298.7672 | 0.7153 | 0.0000 | 2,316.6500 |
| **Maximum** | **53.4181** | **117.7946** | **82.0020** | **0.5214** | **26.1375** | **1.8215** | **27.9590** | **7.4172** | **1.6907** | **9.1079** | **0.0000** | **53,999.6245** | **53,999.6245** | **4.5120** | **0.0000** | **54,112.4251** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **15.23** | **0.00** | **14.43** | **30.42** | **0.00** | **26.16** | **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 | 55.9853 | 2.4100e-003 | 0.2674 | 2.0000e-005 | | 9.5000e-004 | 9.5000e-004 | | 9.5000e-004 | 9.5000e-004 | | 0.5761 | 0.5761 | 1.4900e-003 | | 0.6132 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 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** | **55.9853** | **2.4100e-003** | **0.2674** | **2.0000e-005** | **0.0000** | **9.5000e-004** | **9.5000e-004** | **0.0000** | **9.5000e-004** | **9.5000e-004** | | **0.5761** | **0.5761** | **1.4900e-003** | **0.0000** | **0.6132** |

### 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 | 55.9853 | 2.4100e-003 | 0.2674 | 2.0000e-005 | | 9.5000e-004 | 9.5000e-004 | | 9.5000e-004 | 9.5000e-004 | | 0.5761 | 0.5761 | 1.4900e-003 | | 0.6132 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 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** | **55.9853** | **2.4100e-003** | **0.2674** | **2.0000e-005** | **0.0000** | **9.5000e-004** | **9.5000e-004** | **0.0000** | **9.5000e-004** | **9.5000e-004** | | **0.5761** | **0.5761** | **1.4900e-003** | **0.0000** | **0.6132** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | 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 | Site Preparation | Site Preparation | 1/1/2025 | 6/17/2025 | 5 | 120 | |
| 2 | Grading | Grading | 6/18/2025 | 7/14/2026 | 5 | 280 | |
| 3 | Building Construction | Building Construction | 7/14/2026 | 4/3/2028 | 5 | 450 | |
| 4 | Paving | Paving | 4/4/2028 | 2/5/2029 | 5 | 220 | |
| 5 | Architectural Coating | Architectural Coating | 2/6/2029 | 12/24/2029 | 5 | 230 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 775**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 3,922,490; Non-Residential Outdoor: 1,307,497; Striped Parking**

### OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| 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 |
| 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 |

| | | | | | |
|---|---|---|---|---|---|
| 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 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 8 | 20.00 | 0.00 | 92,969.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 1,098.00 | 429.00 | 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 |
| Architectural Coating | 1 | 220.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

## 3.2 Site Preparation - 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 | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.4727 | 25.2339 | 17.9118 | 0.0381 | | 1.0868 | 1.0868 | | 0.9999 | 0.9999 | | 3,689.1037 | 3,689.1037 | 1.1931 | | 3,718.9320 |
| **Total** | **2.4727** | **25.2339** | **17.9118** | **0.0381** | **18.0663** | **1.0868** | **19.1531** | **9.9307** | **0.9999** | **10.9305** | | **3,689.1037** | **3,689.1037** | **1.1931** | | **3,718.9320** |

## 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 |
| 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 |
| Worker | 0.0573 | 0.0286 | 0.4116 | 1.2600e-003 | 0.1479 | 9.0000e-004 | 0.1488 | 0.0392 | 8.2000e-004 | 0.0400 | | 125.6310 | 125.6310 | 2.7900e-003 | | 125.7009 |
| **Total** | **0.0573** | **0.0286** | **0.4116** | **1.2600e-003** | **0.1479** | **9.0000e-004** | **0.1488** | **0.0392** | **8.2000e-004** | **0.0400** | | **125.6310** | **125.6310** | **2.7900e-003** | | **125.7009** |

## 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 | | | | | 7.0458 | 0.0000 | 7.0458 | 3.8730 | 0.0000 | 3.8730 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.4727 | 25.2339 | 17.9118 | 0.0381 | | 1.0868 | 1.0868 | | 0.9999 | 0.9999 | 0.0000 | 3,689.1037 | 3,689.1037 | 1.1931 | | 3,718.9320 |
| **Total** | **2.4727** | **25.2339** | **17.9118** | **0.0381** | **7.0458** | **1.0868** | **8.1326** | **3.8730** | **0.9999** | **4.8728** | **0.0000** | **3,689.1037** | **3,689.1037** | **1.1931** | | **3,718.9320** |

## 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 |
| 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 |
| Worker | 0.0573 | 0.0286 | 0.4116 | 1.2600e-003 | 0.1479 | 9.0000e-004 | 0.1488 | 0.0392 | 8.2000e-004 | 0.0400 | | 125.6310 | 125.6310 | 2.7900e-003 | | 125.7009 |
| **Total** | **0.0573** | **0.0286** | **0.4116** | **1.2600e-003** | **0.1479** | **9.0000e-004** | **0.1488** | **0.0392** | **8.2000e-004** | **0.0400** | | **125.6310** | **125.6310** | **2.7900e-003** | | **125.7009** |

## 3.3 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 | | | | | 9.7039 | 0.0000 | 9.7039 | 3.7402 | 0.0000 | 3.7402 | | | 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** | **9.7039** | **1.1309** | **10.8348** | **3.7402** | **1.0404** | **4.7806** | | **6,008.2814** | **6,008.2814** | **1.9432** | | **6,056.8614** |

### 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 | 1.2862 | 45.9388 | 10.0856 | 0.2438 | 10.1375 | 0.0803 | 10.2178 | 2.6550 | 0.0769 | 2.7319 | | 25,951.9108 | 25,951.9108 | 1.2136 | | 25,982.2498 |
| 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 |
| Worker | 0.0637 | 0.0318 | 0.4574 | 1.4000e-003 | 0.1643 | 9.9000e-004 | 0.1653 | 0.0436 | 9.2000e-004 | 0.0445 | | 139.5901 | 139.5901 | 3.1000e-003 | | 139.6677 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **1.3499** | **45.9706** | **10.5430** | **0.2452** | **10.3018** | **0.0813** | **10.3831** | **2.6986** | **0.0778** | **2.7764** | | **26,091.50 08** | **26,091.500 8** | **1.2167** | | **26,121.91 75** |

**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 | | | | | 3.7845 | 0.0000 | 3.7845 | 1.4587 | 0.0000 | 1.4587 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.9012 | 27.9429 | 26.3311 | 0.0621 | | 1.1309 | 1.1309 | | 1.0404 | 1.0404 | 0.0000 | 6,008.281 4 | 6,008.2814 | 1.9432 | | 6,056.861 4 |
| **Total** | **2.9012** | **27.9429** | **26.3311** | **0.0621** | **3.7845** | **1.1309** | **4.9154** | **1.4587** | **1.0404** | **2.4991** | **0.0000** | **6,008.281 4** | **6,008.2814** | **1.9432** | | **6,056.861 4** |

**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 | 1.2862 | 45.9388 | 10.0856 | 0.2438 | 10.1375 | 0.0803 | 10.2178 | 2.6550 | 0.0769 | 2.7319 | | 25,951.91 08 | 25,951.910 8 | 1.2136 | | 25,982.24 98 |
| 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 |
| Worker | 0.0637 | 0.0318 | 0.4574 | 1.4000e-003 | 0.1643 | 9.9000e-004 | 0.1653 | 0.0436 | 9.2000e-004 | 0.0445 | | 139.5901 | 139.5901 | 3.1000e-003 | | 139.6677 |
| **Total** | **1.3499** | **45.9706** | **10.5430** | **0.2452** | **10.3018** | **0.0813** | **10.3831** | **2.6986** | **0.0778** | **2.7764** | | **26,091.50 08** | **26,091.500 8** | **1.2167** | | **26,121.91 75** |

## 3.3 Grading - 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 | | | | | |
| Fugitive Dust | | | | | 9.7039 | 0.0000 | 9.7039 | 3.7402 | 0.0000 | 3.7402 | | | 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** | **9.7039** | **1.1309** | **10.8348** | **3.7402** | **1.0404** | **4.7806** | | **6,008.2814** | **6,008.2814** | **1.9432** | | **6,056.8614** |

## 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 | 1.2780 | 45.3117 | 10.0772 | 0.2425 | 10.2628 | 0.0792 | 10.3420 | 2.6858 | 0.0758 | 2.7616 | | 25,814.7515 | 25,814.7515 | 1.2112 | | 25,845.0324 |
| 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 |
| Worker | 0.0603 | 0.0291 | 0.4252 | 1.3500e-003 | 0.1643 | 9.6000e-004 | 0.1653 | 0.0436 | 8.9000e-004 | 0.0445 | | 134.5257 | 134.5257 | 2.8200e-003 | | 134.5962 |
| **Total** | **1.3383** | **45.3408** | **10.5023** | **0.2438** | **10.4271** | **0.0802** | **10.5073** | **2.7294** | **0.0767** | **2.8060** | | **25,949.2773** | **25,949.2773** | **1.2141** | | **25,979.6286** |

## 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 | | | | | 3.7845 | 0.0000 | 3.7845 | 1.4587 | 0.0000 | 1.4587 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.9012 | 27.9429 | 26.3311 | 0.0621 | | 1.1309 | 1.1309 | | 1.0404 | 1.0404 | 0.0000 | 6,008.2814 | 6,008.2814 | 1.9432 | | 6,056.8614 |
| **Total** | **2.9012** | **27.9429** | **26.3311** | **0.0621** | **3.7845** | **1.1309** | **4.9154** | **1.4587** | **1.0404** | **2.4991** | **0.0000** | **6,008.2814** | **6,008.2814** | **1.9432** | | **6,056.8614** |

**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 | 1.2780 | 45.3117 | 10.0772 | 0.2425 | 10.2628 | 0.0792 | 10.3420 | 2.6858 | 0.0758 | 2.7616 | | 25,814.7515 | 25,814.7515 | 1.2112 | | 25,845.0324 |
| 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 |
| Worker | 0.0603 | 0.0291 | 0.4252 | 1.3500e-003 | 0.1643 | 9.6000e-004 | 0.1653 | 0.0436 | 8.9000e-004 | 0.0445 | | 134.5257 | 134.5257 | 2.8200e-003 | | 134.5962 |
| **Total** | **1.3383** | **45.3408** | **10.5023** | **0.2438** | **10.4271** | **0.0802** | **10.5073** | **2.7294** | **0.0767** | **2.8060** | | **25,949.2773** | **25,949.2773** | **1.2141** | | **25,979.6286** |

## 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 | | 2,556.4744 | 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** |

## 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 |
| Vendor | 0.7513 | 30.4437 | 5.7418 | 0.1145 | 2.9061 | 0.0300 | 2.9361 | 0.8367 | 0.0287 | 0.8653 | | 12,100.1295 | 12,100.1295 | 0.5990 | | 12,115.1043 |
| Worker | 3.3081 | 1.5975 | 23.3421 | 0.0741 | 9.0198 | 0.0529 | 9.0727 | 2.3925 | 0.0486 | 2.4411 | | 7,385.4620 | 7,385.4620 | 0.1548 | | 7,389.3326 |
| **Total** | **4.0594** | **32.0412** | **29.0839** | **0.1886** | **11.9259** | **0.0829** | **12.0087** | **3.2291** | **0.0773** | **3.3065** | | **19,485.5915** | **19,485.5915** | **0.7538** | | **19,504.4369** |

## 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 | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | 0.0000 | 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** | **0.0000** | **2,556.4744** | **2,556.4744** | **0.6010** | | **2,571.4981** |

## 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 |
| Vendor | 0.7513 | 30.4437 | 5.7418 | 0.1145 | 2.9061 | 0.0300 | 2.9361 | 0.8367 | 0.0287 | 0.8653 | | 12,100.1295 | 12,100.1295 | 0.5990 | | 12,115.1043 |
| Worker | 3.3081 | 1.5975 | 23.3421 | 0.0741 | 9.0198 | 0.0529 | 9.0727 | 2.3925 | 0.0486 | 2.4411 | | 7,385.4620 | 7,385.4620 | 0.1548 | | 7,389.3326 |
| **Total** | **4.0594** | **32.0412** | **29.0839** | **0.1886** | **11.9259** | **0.0829** | **12.0087** | **3.2291** | **0.0773** | **3.3065** | | **19,485.5915** | **19,485.5915** | **0.7538** | | **19,504.4369** |

## 3.4 Building Construction - 2027

### 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** |

### 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 |
| Vendor | 0.7367 | 30.2425 | 5.5852 | 0.1139 | 2.9060 | 0.0296 | 2.9356 | 0.8367 | 0.0283 | 0.8649 | | 12,043.2564 | 12,043.2564 | 0.5938 | | 12,058.1022 |
| Worker | 3.1260 | 1.4635 | 21.7730 | 0.0716 | 9.0198 | 0.0501 | 9.0699 | 2.3925 | 0.0461 | 2.4386 | | 7,140.3345 | 7,140.3345 | 0.1410 | | 7,143.8586 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **3.8627** | **31.7060** | **27.3582** | **0.1856** | **11.9258** | **0.0797** | **12.0055** | **3.2291** | **0.0743** | **3.3035** | | **19,183.5909** | **19,183.5909** | **0.7348** | | **19,201.9608** |

**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 | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | 0.0000 | 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** | **0.0000** | **2,556.4744** | **2,556.4744** | **0.6010** | | **2,571.4981** |

**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 |
| Vendor | 0.7367 | 30.2425 | 5.5852 | 0.1139 | 2.9060 | 0.0296 | 2.9356 | 0.8367 | 0.0283 | 0.8649 | | 12,043.2564 | 12,043.2564 | 0.5938 | | 12,058.1022 |
| Worker | 3.1260 | 1.4635 | 21.7730 | 0.0716 | 9.0198 | 0.0501 | 9.0699 | 2.3925 | 0.0461 | 2.4386 | | 7,140.3345 | 7,140.3345 | 0.1410 | | 7,143.8586 |
| **Total** | **3.8627** | **31.7060** | **27.3582** | **0.1856** | **11.9258** | **0.0797** | **12.0055** | **3.2291** | **0.0743** | **3.3035** | | **19,183.5909** | **19,183.5909** | **0.7348** | | **19,201.9608** |

## 3.4 Building Construction - 2028

**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** |

## 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 |
| Vendor | 0.7245 | 30.0840 | 5.4633 | 0.1135 | 2.9060 | 0.0293 | 2.9353 | 0.8367 | 0.0280 | 0.8647 | | 11,994.8887 | 11,994.8887 | 0.5879 | | 12,009.5849 |
| Worker | 2.9418 | 1.3434 | 20.3999 | 0.0695 | 9.0198 | 0.0465 | 9.0663 | 2.3925 | 0.0428 | 2.4353 | | 6,925.2826 | 6,925.2826 | 0.1290 | | 6,928.5086 |
| **Total** | **3.6663** | **31.4274** | **25.8632** | **0.1829** | **11.9258** | **0.0758** | **12.0016** | **3.2291** | **0.0708** | **3.2999** | | **18,920.1713** | **18,920.1713** | **0.7169** | | **18,938.0935** |

## 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 | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | 0.0000 | 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** | **0.0000** | **2,556.4744** | **2,556.4744** | **0.6010** | | **2,571.4981** |

**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 |
| Vendor | 0.7245 | 30.0840 | 5.4633 | 0.1135 | 2.9060 | 0.0293 | 2.9353 | 0.8367 | 0.0280 | 0.8647 | | 11,994.8887 | 11,994.8887 | 0.5879 | | 12,009.5849 |
| Worker | 2.9418 | 1.3434 | 20.3999 | 0.0695 | 9.0198 | 0.0465 | 9.0663 | 2.3925 | 0.0428 | 2.4353 | | 6,925.2826 | 6,925.2826 | 0.1290 | | 6,928.5086 |
| **Total** | **3.6663** | **31.4274** | **25.8632** | **0.1829** | **11.9258** | **0.0758** | **12.0016** | **3.2291** | **0.0708** | **3.2999** | | **18,920.1713** | **18,920.1713** | **0.7169** | | **18,938.0935** |

## 3.5 Paving - 2028

**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 | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **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** |

## 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 |
| 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 |
| Worker | 0.0402 | 0.0184 | 0.2787 | 9.5000e-004 | 0.1232 | 6.4000e-004 | 0.1239 | 0.0327 | 5.8000e-004 | 0.0333 | | 94.6077 | 94.6077 | 1.7600e-003 | | 94.6518 |
| **Total** | **0.0402** | **0.0184** | **0.2787** | **9.5000e-004** | **0.1232** | **6.4000e-004** | **0.1239** | **0.0327** | **5.8000e-004** | **0.0333** | | **94.6077** | **94.6077** | **1.7600e-003** | | **94.6518** |

## 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 | 0.9152 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | 0.0000 | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **0.9152** | **8.5816** | **14.5780** | **0.0228** | | **0.4185** | **0.4185** | | **0.3850** | **0.3850** | **0.0000** | **2,206.7452** | **2,206.7452** | **0.7137** | | **2,224.5878** |

## 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 |
| 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 |
| Worker | 0.0402 | 0.0184 | 0.2787 | 9.5000e-004 | 0.1232 | 6.4000e-004 | 0.1239 | 0.0327 | 5.8000e-004 | 0.0333 | | 94.6077 | 94.6077 | 1.7600e-003 | | 94.6518 |
| **Total** | **0.0402** | **0.0184** | **0.2787** | **9.5000e-004** | **0.1232** | **6.4000e-004** | **0.1239** | **0.0327** | **5.8000e-004** | **0.0333** | | **94.6077** | **94.6077** | **1.7600e-003** | | **94.6518** |

## 3.5 Paving - 2029

### 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 | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **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** |

### 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 |
| 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 |
| Worker | 0.0375 | 0.0168 | 0.2606 | 9.2000e-004 | 0.1232 | 5.9000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 92.0221 | 92.0221 | 1.6100e-003 | | 92.0622 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **0.0375** | **0.0168** | **0.2606** | **9.2000e-004** | **0.1232** | **5.9000e-004** | **0.1238** | **0.0327** | **5.4000e-004** | **0.0332** | | **92.0221** | **92.0221** | **1.6100e-003** | | **92.0622** |

**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 | 0.9152 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | 0.0000 | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **0.9152** | **8.5816** | **14.5780** | **0.0228** | | **0.4185** | **0.4185** | | **0.3850** | **0.3850** | **0.0000** | **2,206.7452** | **2,206.7452** | **0.7137** | | **2,224.5878** |

**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 |
| 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 |
| Worker | 0.0375 | 0.0168 | 0.2606 | 9.2000e-004 | 0.1232 | 5.9000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 92.0221 | 92.0221 | 1.6100e-003 | | 92.0622 |
| **Total** | **0.0375** | **0.0168** | **0.2606** | **9.2000e-004** | **0.1232** | **5.9000e-004** | **0.1238** | **0.0327** | **5.4000e-004** | **0.0332** | | **92.0221** | **92.0221** | **1.6100e-003** | | **92.0622** |

## 3.6 Architectural Coating - 2029

**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 | 52.6978 | | | | | 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** | **52.8687** | **1.1455** | **1.8091** | **2.9700e-003** | | **0.0515** | **0.0515** | | **0.0515** | **0.0515** | | **281.4481** | **281.4481** | **0.0154** | | **281.8319** |

## 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 |
| 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 |
| Worker | 0.5495 | 0.2464 | 3.8217 | 0.0135 | 1.8073 | 8.6500e-003 | 1.8159 | 0.4794 | 7.9600e-003 | 0.4873 | | 1,349.6567 | 1,349.6567 | 0.0236 | | 1,350.2454 |
| **Total** | **0.5495** | **0.2464** | **3.8217** | **0.0135** | **1.8073** | **8.6500e-003** | **1.8159** | **0.4794** | **7.9600e-003** | **0.4873** | | **1,349.6567** | **1,349.6567** | **0.0236** | | **1,350.2454** |

## 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 | 52.6978 | | | | | 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** | **52.8687** | **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** |

**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 |
| 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 |
| Worker | 0.5495 | 0.2464 | 3.8217 | 0.0135 | 1.8073 | 8.6500e-003 | 1.8159 | 0.4794 | 7.9600e-003 | 0.4873 | | 1,349.6567 | 1,349.6567 | 0.0236 | | 1,350.2454 |
| **Total** | **0.5495** | **0.2464** | **3.8217** | **0.0135** | **1.8073** | **8.6500e-003** | **1.8159** | **0.4794** | **7.9600e-003** | **0.4873** | | **1,349.6567** | **1,349.6567** | **0.0236** | | **1,350.2454** |

# 4.0 Operational Detail - Mobile

## 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Convenience Market With Gas Pumps | 0.00 | 0.00 | 0.00 | | |
| Fast Food Restaurant w/o Drive Thru | 0.00 | 0.00 | 0.00 | | |
| General Heavy Industry | 0.00 | 0.00 | 0.00 | | |
| General Light Industry | 0.00 | 0.00 | 0.00 | | |
| High Turnover (Sit Down Restaurant) | 0.00 | 0.00 | 0.00 | | |
| Manufacturing | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | 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 |
| Convenience Market With Gas Pumps | 9.50 | 7.30 | 7.30 | 0.80 | 80.20 | 19.00 | 14 | 21 | 65 |
| Fast Food Restaurant w/o Drive Thru | 9.50 | 7.30 | 7.30 | 1.50 | 79.50 | 19.00 | 51 | 37 | 12 |
| General Heavy Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| High Turnover (Sit Down Restaurant) | 9.50 | 7.30 | 7.30 | 8.50 | 72.50 | 19.00 | 37 | 20 | 43 |
| Manufacturing | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Unrefrigerated Warehouse-No Rail | 9.50 | 7.30 | 7.30 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Convenience Market With Gas Pumps | 0.568260 | 0.033614 | 0.184668 | 0.102877 | 0.010818 | 0.004253 | 0.018932 | 0.067054 | 0.001372 | 0.001348 | 0.005404 | 0.000777 | 0.000623 |
| Fast Food Restaurant w/o Drive Thru | 0.568260 | 0.033614 | 0.184668 | 0.102877 | 0.010818 | 0.004253 | 0.018932 | 0.067054 | 0.001372 | 0.001348 | 0.005404 | 0.000777 | 0.000623 |
| General Heavy Industry | 0.568260 | 0.033614 | 0.184668 | 0.102877 | 0.010818 | 0.004253 | 0.018932 | 0.067054 | 0.001372 | 0.001348 | 0.005404 | 0.000777 | 0.000623 |
| General Light Industry | 0.568260 | 0.033614 | 0.184668 | 0.102877 | 0.010818 | 0.004253 | 0.018932 | 0.067054 | 0.001372 | 0.001348 | 0.005404 | 0.000777 | 0.000623 |
| High Turnover (Sit Down Restaurant) | 0.568260 | 0.033614 | 0.184668 | 0.102877 | 0.010818 | 0.004253 | 0.018932 | 0.067054 | 0.001372 | 0.001348 | 0.005404 | 0.000777 | 0.000623 |
| Manufacturing | 0.568260 | 0.033614 | 0.184668 | 0.102877 | 0.010818 | 0.004253 | 0.018932 | 0.067054 | 0.001372 | 0.001348 | 0.005404 | 0.000777 | 0.000623 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 0.568260 | 0.033614 | 0.184668 | 0.102877 | 0.010818 | 0.004253 | 0.018932 | 0.067054 | 0.001372 | 0.001348 | 0.005404 | 0.000777 | 0.000623 |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

### 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 | | | | | |
| Convenience Market With Gas Pumps | 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 |
| Fast Food Restaurant w/o Drive Thru | 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 |
| General Heavy Industry | 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 |
| General Light Industry | 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 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| High Turnover (Sit Down Restaurant) | 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 |
| Manufacturing | 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 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | | | | | |
| Convenience Market With Gas Pumps | 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 |
| Fast Food Restaurant w/o Drive Thru | 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 |
| General Heavy Industry | 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 |
| General Light Industry | 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 |
| High Turnover (Sit Down Restaurant) | 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 |
| Manufacturing | 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 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 55.9853 | 2.4100e-003 | 0.2674 | 2.0000e-005 | | 9.5000e-004 | 9.5000e-004 | | 9.5000e-004 | 9.5000e-004 | | 0.5761 | 0.5761 | 1.4900e-003 | | 0.6132 |
| Unmitigated | 55.9853 | 2.4100e-003 | 0.2674 | 2.0000e-005 | | 9.5000e-004 | 9.5000e-004 | | 9.5000e-004 | 9.5000e-004 | | 0.5761 | 0.5761 | 1.4900e-003 | | 0.6132 |

## 6.2 Area by SubCategory

**Unmitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 55.9609 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0245 | 2.4100e-003 | 0.2674 | 2.0000e-005 | | 9.5000e-004 | 9.5000e-004 | | 9.5000e-004 | 9.5000e-004 | | 0.5761 | 0.5761 | 1.4900e-003 | | 0.6132 |
| **Total** | **55.9853** | **2.4100e-003** | **0.2674** | **2.0000e-005** | | **9.5000e-004** | **9.5000e-004** | | **9.5000e-004** | **9.5000e-004** | | **0.5761** | **0.5761** | **1.4900e-003** | | **0.6132** |

**Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 55.9609 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0245 | 2.4100e-003 | 0.2674 | 2.0000e-005 | | 9.5000e-004 | 9.5000e-004 | | 9.5000e-004 | 9.5000e-004 | | 0.5761 | 0.5761 | 1.4900e-003 | | 0.6132 |
| **Total** | **55.9853** | **2.4100e-003** | **0.2674** | **2.0000e-005** | | **9.5000e-004** | **9.5000e-004** | | **9.5000e-004** | **9.5000e-004** | | **0.5761** | **0.5761** | **1.4900e-003** | | **0.6132** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

## 11.0 Vegetation

SCLA Specific Plan - Phase One - Construction Only - San Bernardino-Mojave Desert County, Winter

# SCLA Specific Plan - Phase One - Construction Only

**San Bernardino-Mojave Desert County, Winter**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Heavy Industry | 169.00 | 1000sqft | 8.03 | 169,000.00 | 0 |
| General Light Industry | 22.54 | 1000sqft | 1.07 | 22,540.00 | 0 |
| Manufacturing | 147.89 | 1000sqft | 7.02 | 147,890.00 | 0 |
| Unrefrigerated Warehouse-No Rail | 2,264.04 | 1000sqft | 107.52 | 2,264,040.00 | 0 |
| Fast Food Restaurant w/o Drive Thru | 2.70 | 1000sqft | 0.13 | 2,700.00 | 0 |
| High Turnover (Sit Down Restaurant) | 6.00 | 1000sqft | 0.28 | 6,000.00 | 0 |
| Convenience Market With Gas Pumps | 20.00 | Pump | 0.95 | 2,823.50 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.6 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 10 | | | **Operational Year** | 2030 |
| **Utility Company** | Statewide Average | | | | |
| **CO2 Intensity (lb/MWhr)** | 1001.57 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Phase 1 Construction buildout on 125 acres.

Construction Phase - Construction would be complete in 5 years (2030) for Phase One.

Grading - Balanced Cut & Fill.

Architectural Coating - MDAQMD Rule 1113

Vehicle Trips - Construction Emisions Only. Separate Operation Run has been done.

Area Coating - Construction Emisions Only. Separate Operation Run has been done.

Energy Use - Construction Emisions Only. Separate Operation Run has been done.

Water And Wastewater - Construction Emisions Only. Separate Operation Run has been done.

Solid Waste - Construction Emisions Only. Separate Operation Run has been done.

Construction Off-road Equipment Mitigation - MDAQMD Rule 403.2

Area Mitigation - MDAQMD Rule 1113, 50g/L VOC limit.

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblAreaCoating | Area_EF_Nonresidential_Exterior | 250 | 100 |
| tblAreaCoating | Area_EF_Nonresidential_Interior | 250 | 0 |
| tblAreaCoating | Area_EF_Parking | 250 | 100 |
| tblAreaCoating | Area_EF_Residential_Exterior | 250 | 100 |
| tblAreaCoating | Area_EF_Residential_Interior | 250 | 100 |
| tblAreaCoating | Area_Nonresidential_Exterior | 1307497 | 0 |
| tblAreaCoating | Area_Nonresidential_Interior | 3922490 | 0 |
| tblAreaMitigation | UseLowVOCPaintNonresidentialExteriorValue | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintNonresidentialInteriorValue | 0 | 50 |
| tblAreaMitigation | UseLowVOCPaintParkingCheck | False | True |
| tblAreaMitigation | UseLowVOCPaintParkingValue | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintResidentialExteriorValue | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintResidentialInteriorValue | 100 | 50 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 15 |
| tblConstructionPhase | NumDays | 220.00 | 230.00 |

| | | | |
|---|---|---|---|
| tblConstructionPhase | NumDays | 3,100.00 | 450.00 |
| tblConstructionPhase | NumDays | 310.00 | 280.00 |
| tblEnergyUse | LightingElect | 5.61 | 0.00 |
| tblEnergyUse | LightingElect | 6.62 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 6.62 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 1.17 | 0.00 |
| tblEnergyUse | NT24E | 2.44 | 0.00 |
| tblEnergyUse | NT24E | 28.48 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 28.48 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 0.82 | 0.00 |
| tblEnergyUse | NT24NG | 0.30 | 0.00 |
| tblEnergyUse | NT24NG | 195.77 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 195.77 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 0.03 | 0.00 |
| tblEnergyUse | T24E | 4.58 | 0.00 |
| tblEnergyUse | T24E | 12.38 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 12.38 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 0.37 | 0.00 |

| | | | |
|---|---|---|---|
| tblEnergyUse | T24NG | 1.92 | 0.00 |
| tblEnergyUse | T24NG | 77.67 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 77.67 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 2.00 | 0.00 |
| tblGrading | AcresOfGrading | 700.00 | 775.00 |
| tblGrading | MaterialExported | 0.00 | 743,750.00 |
| tblGrading | MaterialImported | 0.00 | 743,750.00 |
| tblLandUse | LotAcreage | 3.88 | 8.03 |
| tblLandUse | LotAcreage | 0.52 | 1.07 |
| tblLandUse | LotAcreage | 3.40 | 7.02 |
| tblLandUse | LotAcreage | 51.98 | 107.52 |
| tblLandUse | LotAcreage | 0.06 | 0.13 |
| tblLandUse | LotAcreage | 0.14 | 0.28 |
| tblLandUse | LotAcreage | 0.06 | 0.95 |
| tblSolidWaste | SolidWasteGenerationRate | 31.10 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 209.56 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 27.95 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 71.40 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 183.38 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 2,128.20 | 0.00 |
| tblVehicleTrips | ST_TR | 204.47 | 0.00 |
| tblVehicleTrips | ST_TR | 696.00 | 0.00 |
| tblVehicleTrips | ST_TR | 1.50 | 0.00 |
| tblVehicleTrips | ST_TR | 1.32 | 0.00 |
| tblVehicleTrips | ST_TR | 158.37 | 0.00 |
| tblVehicleTrips | ST_TR | 1.49 | 0.00 |
| tblVehicleTrips | ST_TR | 1.68 | 0.00 |

| | | | |
|---|---|---|---|
| tblVehicleTrips | SU_TR | 166.88 | 0.00 |
| tblVehicleTrips | SU_TR | 500.00 | 0.00 |
| tblVehicleTrips | SU_TR | 1.50 | 0.00 |
| tblVehicleTrips | SU_TR | 0.68 | 0.00 |
| tblVehicleTrips | SU_TR | 131.84 | 0.00 |
| tblVehicleTrips | SU_TR | 0.62 | 0.00 |
| tblVehicleTrips | SU_TR | 1.68 | 0.00 |
| tblVehicleTrips | WD_TR | 542.60 | 0.00 |
| tblVehicleTrips | WD_TR | 716.00 | 0.00 |
| tblVehicleTrips | WD_TR | 1.50 | 0.00 |
| tblVehicleTrips | WD_TR | 6.97 | 0.00 |
| tblVehicleTrips | WD_TR | 127.15 | 0.00 |
| tblVehicleTrips | WD_TR | 3.82 | 0.00 |
| tblVehicleTrips | WD_TR | 1.68 | 0.00 |
| tblWater | IndoorWaterUseRate | 209,143.58 | 0.00 |
| tblWater | IndoorWaterUseRate | 819,541.02 | 0.00 |
| tblWater | IndoorWaterUseRate | 39,081,250.00 | 0.00 |
| tblWater | IndoorWaterUseRate | 5,212,375.00 | 0.00 |
| tblWater | IndoorWaterUseRate | 1,821,202.27 | 0.00 |
| tblWater | IndoorWaterUseRate | 34,199,562.50 | 0.00 |
| tblWater | IndoorWaterUseRate | 523,559,250.00 | 0.00 |
| tblWater | OutdoorWaterUseRate | 128,184.78 | 0.00 |
| tblWater | OutdoorWaterUseRate | 52,311.13 | 0.00 |
| tblWater | OutdoorWaterUseRate | 116,246.95 | 0.00 |

## 2.0 Emissions Summary

### 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 | | | | | |
| 2025 | 4.3093 | 73.6829 | 37.8629 | 0.3008 | 20.0057 | 1.2135 | 21.2192 | 9.9699 | 1.1195 | 10.9706 | 0.0000 | 31,415.1123 | 31,415.1123 | 3.2542 | 0.0000 | 31,496.4682 |
| 2026 | 9.7406 | 117.2458 | 79.7791 | 0.5033 | 32.0569 | 1.8235 | 33.8804 | 9.6987 | 1.6926 | 11.3913 | 0.0000 | 52,129.7719 | 52,129.7719 | 4.6511 | 0.0000 | 52,246.0481 |
| 2027 | 5.2546 | 43.8587 | 40.4732 | 0.2011 | 11.9258 | 0.6079 | 12.5338 | 3.2291 | 0.5713 | 3.8004 | 0.0000 | 20,575.3189 | 20,575.3189 | 1.3819 | 0.0000 | 20,609.8670 |
| 2028 | 5.0629 | 43.5733 | 39.1841 | 0.1987 | 11.9258 | 0.6040 | 12.5299 | 3.2291 | 0.5677 | 3.7968 | 0.0000 | 20,337.0698 | 20,337.0698 | 1.3647 | 0.0000 | 20,371.1866 |
| 2029 | 53.4160 | 8.5992 | 14.7920 | 0.0236 | 1.8073 | 0.4191 | 1.8674 | 0.4794 | 0.3856 | 0.5388 | 0.0000 | 2,289.3503 | 2,289.3503 | 0.7151 | 0.0000 | 2,307.2285 |
| **Maximum** | **53.4160** | **117.2458** | **79.7791** | **0.5033** | **32.0569** | **1.8235** | **33.8804** | **9.9699** | **1.6926** | **11.3913** | **0.0000** | **52,129.7719** | **52,129.7719** | **4.6511** | **0.0000** | **52,246.0481** |

## 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 | | | | | |
| 2025 | 4.3093 | 73.6829 | 37.8629 | 0.3008 | 14.0863 | 1.2135 | 15.2998 | 4.1573 | 1.1195 | 5.2767 | 0.0000 | 31,415.1123 | 31,415.1123 | 3.2542 | 0.0000 | 31,496.4682 |
| 2026 | 9.7406 | 117.2458 | 79.7791 | 0.5033 | 26.1375 | 1.8235 | 27.9610 | 7.4172 | 1.6926 | 9.1098 | 0.0000 | 52,129.7719 | 52,129.7719 | 4.6511 | 0.0000 | 52,246.0481 |
| 2027 | 5.2546 | 43.8587 | 40.4732 | 0.2011 | 11.9258 | 0.6079 | 12.5338 | 3.2291 | 0.5713 | 3.8004 | 0.0000 | 20,575.3189 | 20,575.3189 | 1.3819 | 0.0000 | 20,609.8670 |
| 2028 | 5.0629 | 43.5733 | 39.1841 | 0.1987 | 11.9258 | 0.6040 | 12.5299 | 3.2291 | 0.5677 | 3.7968 | 0.0000 | 20,337.0698 | 20,337.0698 | 1.3647 | 0.0000 | 20,371.1866 |
| 2029 | 53.4160 | 8.5992 | 14.7920 | 0.0236 | 1.8073 | 0.4191 | 1.8674 | 0.4794 | 0.3856 | 0.5388 | 0.0000 | 2,289.3503 | 2,289.3503 | 0.7151 | 0.0000 | 2,307.2285 |
| **Maximum** | **53.4160** | **117.2458** | **79.7791** | **0.5033** | **26.1375** | **1.8235** | **27.9610** | **7.4172** | **1.6926** | **9.1098** | **0.0000** | **52,129.7719** | **52,129.7719** | **4.6511** | **0.0000** | **52,246.0481** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **15.23** | **0.00** | **14.43** | **30.42** | **0.00** | **26.15** | **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 | 55.9853 | 2.4100e-003 | 0.2674 | 2.0000e-005 | | 9.5000e-004 | 9.5000e-004 | | 9.5000e-004 | 9.5000e-004 | | 0.5761 | 0.5761 | 1.4900e-003 | | 0.6132 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 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** | **55.9853** | **2.4100e-003** | **0.2674** | **2.0000e-005** | **0.0000** | **9.5000e-004** | **9.5000e-004** | **0.0000** | **9.5000e-004** | **9.5000e-004** | | **0.5761** | **0.5761** | **1.4900e-003** | **0.0000** | **0.6132** |

### 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 | 55.9853 | 2.4100e-003 | 0.2674 | 2.0000e-005 | | 9.5000e-004 | 9.5000e-004 | | 9.5000e-004 | 9.5000e-004 | | 0.5761 | 0.5761 | 1.4900e-003 | | 0.6132 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 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** | **55.9853** | **2.4100e-003** | **0.2674** | **2.0000e-005** | **0.0000** | **9.5000e-004** | **9.5000e-004** | **0.0000** | **9.5000e-004** | **9.5000e-004** | | **0.5761** | **0.5761** | **1.4900e-003** | **0.0000** | **0.6132** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | 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 | Site Preparation | Site Preparation | 1/1/2025 | 6/17/2025 | 5 | 120 | |
| 2 | Grading | Grading | 6/18/2025 | 7/14/2026 | 5 | 280 | |
| 3 | Building Construction | Building Construction | 7/14/2026 | 4/3/2028 | 5 | 450 | |
| 4 | Paving | Paving | 4/4/2028 | 2/5/2029 | 5 | 220 | |
| 5 | Architectural Coating | Architectural Coating | 2/6/2029 | 12/24/2029 | 5 | 230 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 775**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 3,922,490; Non-Residential Outdoor: 1,307,497; Striped Parking**

### OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| 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 |
| 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 |

| | | | | | |
|---|---|---|---|---|---|
| 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 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 8 | 20.00 | 0.00 | 92,969.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 1,098.00 | 429.00 | 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 |
| Architectural Coating | 1 | 220.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

## 3.2 Site Preparation - 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 | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.4727 | 25.2339 | 17.9118 | 0.0381 | | 1.0868 | 1.0868 | | 0.9999 | 0.9999 | | 3,689.1037 | 3,689.1037 | 1.1931 | | 3,718.9320 |
| **Total** | **2.4727** | **25.2339** | **17.9118** | **0.0381** | **18.0663** | **1.0868** | **19.1531** | **9.9307** | **0.9999** | **10.9305** | | **3,689.1037** | **3,689.1037** | **1.1931** | | **3,718.9320** |

## 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 |
| 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 |
| Worker | 0.0567 | 0.0301 | 0.3403 | 1.1300e-003 | 0.1479 | 9.0000e-004 | 0.1488 | 0.0392 | 8.2000e-004 | 0.0400 | | 112.7918 | 112.7918 | 2.4800e-003 | | 112.8537 |
| **Total** | **0.0567** | **0.0301** | **0.3403** | **1.1300e-003** | **0.1479** | **9.0000e-004** | **0.1488** | **0.0392** | **8.2000e-004** | **0.0400** | | **112.7918** | **112.7918** | **2.4800e-003** | | **112.8537** |

## 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 | | | | | 7.0458 | 0.0000 | 7.0458 | 3.8730 | 0.0000 | 3.8730 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.4727 | 25.2339 | 17.9118 | 0.0381 | | 1.0868 | 1.0868 | | 0.9999 | 0.9999 | 0.0000 | 3,689.1037 | 3,689.1037 | 1.1931 | | 3,718.9320 |
| **Total** | **2.4727** | **25.2339** | **17.9118** | **0.0381** | **7.0458** | **1.0868** | **8.1326** | **3.8730** | **0.9999** | **4.8728** | **0.0000** | **3,689.1037** | **3,689.1037** | **1.1931** | | **3,718.9320** |

## 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 |
| 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 |
| Worker | 0.0567 | 0.0301 | 0.3403 | 1.1300e-003 | 0.1479 | 9.0000e-004 | 0.1488 | 0.0392 | 8.2000e-004 | 0.0400 | | 112.7918 | 112.7918 | 2.4800e-003 | | 112.8537 |
| **Total** | **0.0567** | **0.0301** | **0.3403** | **1.1300e-003** | **0.1479** | **9.0000e-004** | **0.1488** | **0.0392** | **8.2000e-004** | **0.0400** | | **112.7918** | **112.7918** | **2.4800e-003** | | **112.8537** |

## 3.3 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 | | | | | 9.7039 | 0.0000 | 9.7039 | 3.7402 | 0.0000 | 3.7402 | | | 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** | **9.7039** | **1.1309** | **10.8348** | **3.7402** | **1.0404** | **4.7806** | | **6,008.2814** | **6,008.2814** | **1.9432** | | **6,056.8614** |

### 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 | 1.3451 | 45.7066 | 11.1537 | 0.2375 | 10.1375 | 0.0817 | 10.2191 | 2.6550 | 0.0781 | 2.7331 | | 25,281.5066 | 25,281.5066 | 1.3083 | | 25,314.2138 |
| 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 |
| Worker | 0.0630 | 0.0334 | 0.3781 | 1.2600e-003 | 0.1643 | 9.9000e-004 | 0.1653 | 0.0436 | 9.2000e-004 | 0.0445 | | 125.3243 | 125.3243 | 2.7500e-003 | | 125.3930 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **1.4081** | **45.7400** | **11.5318** | **0.2388** | **10.3018** | **0.0826** | **10.3844** | **2.6986** | **0.0790** | **2.7776** | | **25,406.8309** | **25,406.8309** | **1.3110** | | **25,439.6068** |

**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 | | | | | 3.7845 | 0.0000 | 3.7845 | 1.4587 | 0.0000 | 1.4587 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.9012 | 27.9429 | 26.3311 | 0.0621 | | 1.1309 | 1.1309 | | 1.0404 | 1.0404 | 0.0000 | 6,008.2814 | 6,008.2814 | 1.9432 | | 6,056.8614 |
| **Total** | **2.9012** | **27.9429** | **26.3311** | **0.0621** | **3.7845** | **1.1309** | **4.9154** | **1.4587** | **1.0404** | **2.4991** | **0.0000** | **6,008.2814** | **6,008.2814** | **1.9432** | | **6,056.8614** |

**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 | 1.3451 | 45.7066 | 11.1537 | 0.2375 | 10.1375 | 0.0817 | 10.2191 | 2.6550 | 0.0781 | 2.7331 | | 25,281.5066 | 25,281.5066 | 1.3083 | | 25,314.2138 |
| 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 |
| Worker | 0.0630 | 0.0334 | 0.3781 | 1.2600e-003 | 0.1643 | 9.9000e-004 | 0.1653 | 0.0436 | 9.2000e-004 | 0.0445 | | 125.3243 | 125.3243 | 2.7500e-003 | | 125.3930 |
| **Total** | **1.4081** | **45.7400** | **11.5318** | **0.2388** | **10.3018** | **0.0826** | **10.3844** | **2.6986** | **0.0790** | **2.7776** | | **25,406.8309** | **25,406.8309** | **1.3110** | | **25,439.6068** |

## 3.3 Grading - 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 | | | | | |
| Fugitive Dust | | | | | 9.7039 | 0.0000 | 9.7039 | 3.7402 | 0.0000 | 3.7402 | | | 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** | **9.7039** | **1.1309** | **10.8348** | **3.7402** | **1.0404** | **4.7806** | | **6,008.2814** | **6,008.2814** | **1.9432** | | **6,056.8614** |

## 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 | 1.3362 | 45.0685 | 11.1345 | 0.2362 | 10.2628 | 0.0804 | 10.3432 | 2.6858 | 0.0770 | 2.7627 | | 25,151.9659 | 25,151.9659 | 1.3055 | | 25,184.6033 |
| 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 |
| Worker | 0.0597 | 0.0305 | 0.3510 | 1.2100e-003 | 0.1643 | 9.6000e-004 | 0.1653 | 0.0436 | 8.9000e-004 | 0.0445 | | 120.7808 | 120.7808 | 2.5000e-003 | | 120.8433 |
| **Total** | **1.3960** | **45.0990** | **11.4855** | **0.2374** | **10.4271** | **0.0814** | **10.5085** | **2.7294** | **0.0779** | **2.8072** | | **25,272.7467** | **25,272.7467** | **1.3080** | | **25,305.4466** |

## 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 | | | | | 3.7845 | 0.0000 | 3.7845 | 1.4587 | 0.0000 | 1.4587 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.9012 | 27.9429 | 26.3311 | 0.0621 | | 1.1309 | 1.1309 | | 1.0404 | 1.0404 | 0.0000 | 6,008.2814 | 6,008.2814 | 1.9432 | | 6,056.8614 |
| **Total** | **2.9012** | **27.9429** | **26.3311** | **0.0621** | **3.7845** | **1.1309** | **4.9154** | **1.4587** | **1.0404** | **2.4991** | **0.0000** | **6,008.2814** | **6,008.2814** | **1.9432** | | **6,056.8614** |

**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 | 1.3362 | 45.0685 | 11.1345 | 0.2362 | 10.2628 | 0.0804 | 10.3432 | 2.6858 | 0.0770 | 2.7627 | | 25,151.9659 | 25,151.9659 | 1.3055 | | 25,184.6033 |
| 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 |
| Worker | 0.0597 | 0.0305 | 0.3510 | 1.2100e-003 | 0.1643 | 9.6000e-004 | 0.1653 | 0.0436 | 8.9000e-004 | 0.0445 | | 120.7808 | 120.7808 | 2.5000e-003 | | 120.8433 |
| **Total** | **1.3960** | **45.0990** | **11.4855** | **0.2374** | **10.4271** | **0.0814** | **10.5085** | **2.7294** | **0.0779** | **2.8072** | | **25,272.7467** | **25,272.7467** | **1.3080** | | **25,305.4466** |

## 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 | | 2,556.4744 | 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** |

## 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 |
| Vendor | 0.7963 | 30.0578 | 6.6094 | 0.1104 | 2.9061 | 0.0308 | 2.9369 | 0.8367 | 0.0294 | 0.8661 | | 11,661.4010 | 11,661.4010 | 0.6617 | | 11,677.9427 |
| Worker | 3.2797 | 1.6764 | 19.2684 | 0.0665 | 9.0198 | 0.0529 | 9.0727 | 2.3925 | 0.0486 | 2.4411 | | 6,630.8684 | 6,630.8684 | 0.1372 | | 6,634.2992 |
| **Total** | **4.0760** | **31.7342** | **25.8778** | **0.1769** | **11.9259** | **0.0837** | **12.0095** | **3.2291** | **0.0781** | **3.3072** | | **18,292.2694** | **18,292.2694** | **0.7989** | | **18,312.2419** |

## 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 | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | 0.0000 | 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** | **0.0000** | **2,556.4744** | **2,556.4744** | **0.6010** | | **2,571.4981** |

## 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 |
| Vendor | 0.7963 | 30.0578 | 6.6094 | 0.1104 | 2.9061 | 0.0308 | 2.9369 | 0.8367 | 0.0294 | 0.8661 | | 11,661.4010 | 11,661.4010 | 0.6617 | | 11,677.9427 |
| Worker | 3.2797 | 1.6764 | 19.2684 | 0.0665 | 9.0198 | 0.0529 | 9.0727 | 2.3925 | 0.0486 | 2.4411 | | 6,630.8684 | 6,630.8684 | 0.1372 | | 6,634.2992 |
| **Total** | **4.0760** | **31.7342** | **25.8778** | **0.1769** | **11.9259** | **0.0837** | **12.0095** | **3.2291** | **0.0781** | **3.3072** | | **18,292.2694** | **18,292.2694** | **0.7989** | | **18,312.2419** |

## 3.4 Building Construction - 2027

### 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** |

### 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 |
| Vendor | 0.7810 | 29.8540 | 6.4417 | 0.1098 | 2.9060 | 0.0303 | 2.9363 | 0.8367 | 0.0290 | 0.8656 | | 11,608.2198 | 11,608.2198 | 0.6561 | | 11,624.6212 |
| Worker | 3.1062 | 1.5350 | 17.9468 | 0.0643 | 9.0198 | 0.0501 | 9.0699 | 2.3925 | 0.0461 | 2.4386 | | 6,410.6247 | 6,410.6247 | 0.1249 | | 6,413.7477 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **3.8872** | **31.3890** | **24.3885** | **0.1741** | **11.9258** | **0.0804** | **12.0062** | **3.2291** | **0.0750** | **3.3042** | | **18,018.8446** | **18,018.8446** | **0.7810** | | **18,038.3689** |

**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 | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | 0.0000 | 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** | **0.0000** | **2,556.4744** | **2,556.4744** | **0.6010** | | **2,571.4981** |

**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 |
| Vendor | 0.7810 | 29.8540 | 6.4417 | 0.1098 | 2.9060 | 0.0303 | 2.9363 | 0.8367 | 0.0290 | 0.8656 | | 11,608.2198 | 11,608.2198 | 0.6561 | | 11,624.6212 |
| Worker | 3.1062 | 1.5350 | 17.9468 | 0.0643 | 9.0198 | 0.0501 | 9.0699 | 2.3925 | 0.0461 | 2.4386 | | 6,410.6247 | 6,410.6247 | 0.1249 | | 6,413.7477 |
| **Total** | **3.8872** | **31.3890** | **24.3885** | **0.1741** | **11.9258** | **0.0804** | **12.0062** | **3.2291** | **0.0750** | **3.3042** | | **18,018.8446** | **18,018.8446** | **0.7810** | | **18,038.3689** |

## 3.4 Building Construction - 2028

**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** |

## 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 |
| Vendor | 0.7684 | 29.6953 | 6.3106 | 0.1094 | 2.9060 | 0.0300 | 2.9360 | 0.8367 | 0.0286 | 0.8653 | | 11,563.4078 | 11,563.4078 | 0.6494 | | 11,579.6438 |
| Worker | 2.9271 | 1.4084 | 16.7888 | 0.0623 | 9.0198 | 0.0465 | 9.0663 | 2.3925 | 0.0428 | 2.4353 | | 6,217.1877 | 6,217.1877 | 0.1143 | | 6,220.0447 |
| **Total** | **3.6955** | **31.1037** | **23.0994** | **0.1717** | **11.9258** | **0.0765** | **12.0023** | **3.2291** | **0.0714** | **3.3006** | | **17,780.5954** | **17,780.5954** | **0.7637** | | **17,799.6886** |

## 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 | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | 0.0000 | 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** | **0.0000** | **2,556.4744** | **2,556.4744** | **0.6010** | | **2,571.4981** |

**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 |
| Vendor | 0.7684 | 29.6953 | 6.3106 | 0.1094 | 2.9060 | 0.0300 | 2.9360 | 0.8367 | 0.0286 | 0.8653 | | 11,563.4078 | 11,563.4078 | 0.6494 | | 11,579.6438 |
| Worker | 2.9271 | 1.4084 | 16.7888 | 0.0623 | 9.0198 | 0.0465 | 9.0663 | 2.3925 | 0.0428 | 2.4353 | | 6,217.1877 | 6,217.1877 | 0.1143 | | 6,220.0447 |
| **Total** | **3.6955** | **31.1037** | **23.0994** | **0.1717** | **11.9258** | **0.0765** | **12.0023** | **3.2291** | **0.0714** | **3.3006** | | **17,780.5954** | **17,780.5954** | **0.7637** | | **17,799.6886** |

## 3.5 Paving - 2028

**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 | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **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** |

## 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 |
| 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 |
| Worker | 0.0400 | 0.0192 | 0.2294 | 8.5000e-004 | 0.1232 | 6.4000e-004 | 0.1239 | 0.0327 | 5.8000e-004 | 0.0333 | | 84.9343 | 84.9343 | 1.5600e-003 | | 84.9733 |
| **Total** | **0.0400** | **0.0192** | **0.2294** | **8.5000e-004** | **0.1232** | **6.4000e-004** | **0.1239** | **0.0327** | **5.8000e-004** | **0.0333** | | **84.9343** | **84.9343** | **1.5600e-003** | | **84.9733** |

## 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 | 0.9152 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | 0.0000 | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **0.9152** | **8.5816** | **14.5780** | **0.0228** | | **0.4185** | **0.4185** | | **0.3850** | **0.3850** | **0.0000** | **2,206.7452** | **2,206.7452** | **0.7137** | | **2,224.5878** |

## 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 |
| 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 |
| Worker | 0.0400 | 0.0192 | 0.2294 | 8.5000e-004 | 0.1232 | 6.4000e-004 | 0.1239 | 0.0327 | 5.8000e-004 | 0.0333 | | 84.9343 | 84.9343 | 1.5600e-003 | | 84.9733 |
| **Total** | **0.0400** | **0.0192** | **0.2294** | **8.5000e-004** | **0.1232** | **6.4000e-004** | **0.1239** | **0.0327** | **5.8000e-004** | **0.0333** | | **84.9343** | **84.9343** | **1.5600e-003** | | **84.9733** |

## 3.5 Paving - 2029

### 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 | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **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** |

### 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 |
| 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 |
| Worker | 0.0373 | 0.0176 | 0.2140 | 8.3000e-004 | 0.1232 | 5.9000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 82.6051 | 82.6051 | 1.4200e-003 | | 82.6407 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **0.0373** | **0.0176** | **0.2140** | **8.3000e-004** | **0.1232** | **5.9000e-004** | **0.1238** | **0.0327** | **5.4000e-004** | **0.0332** | | **82.6051** | **82.6051** | **1.4200e-003** | | **82.6407** |

**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 | 0.9152 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | 0.0000 | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **0.9152** | **8.5816** | **14.5780** | **0.0228** | | **0.4185** | **0.4185** | | **0.3850** | **0.3850** | **0.0000** | **2,206.7452** | **2,206.7452** | **0.7137** | | **2,224.5878** |

**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 |
| 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 |
| Worker | 0.0373 | 0.0176 | 0.2140 | 8.3000e-004 | 0.1232 | 5.9000e-004 | 0.1238 | 0.0327 | 5.4000e-004 | 0.0332 | | 82.6051 | 82.6051 | 1.4200e-003 | | 82.6407 |
| **Total** | **0.0373** | **0.0176** | **0.2140** | **8.3000e-004** | **0.1232** | **5.9000e-004** | **0.1238** | **0.0327** | **5.4000e-004** | **0.0332** | | **82.6051** | **82.6051** | **1.4200e-003** | | **82.6407** |

## 3.6 Architectural Coating - 2029

**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 | 52.6978 | | | | | 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** | **52.8687** | **1.1455** | **1.8091** | **2.9700e-003** | | **0.0515** | **0.0515** | | **0.0515** | **0.0515** | | **281.4481** | **281.4481** | **0.0154** | | **281.8319** |

## 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 |
| 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 |
| Worker | 0.5473 | 0.2581 | 3.1393 | 0.0121 | 1.8073 | 8.6500e-003 | 1.8159 | 0.4794 | 7.9600e-003 | 0.4873 | | 1,211.5419 | 1,211.5419 | 0.0208 | | 1,212.0630 |
| **Total** | **0.5473** | **0.2581** | **3.1393** | **0.0121** | **1.8073** | **8.6500e-003** | **1.8159** | **0.4794** | **7.9600e-003** | **0.4873** | | **1,211.5419** | **1,211.5419** | **0.0208** | | **1,212.0630** |

## 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 | 52.6978 | | | | | 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** | **52.8687** | **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** |

**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 |
| 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 |
| Worker | 0.5473 | 0.2581 | 3.1393 | 0.0121 | 1.8073 | 8.6500e-003 | 1.8159 | 0.4794 | 7.9600e-003 | 0.4873 | | 1,211.5419 | 1,211.5419 | 0.0208 | | 1,212.0630 |
| **Total** | **0.5473** | **0.2581** | **3.1393** | **0.0121** | **1.8073** | **8.6500e-003** | **1.8159** | **0.4794** | **7.9600e-003** | **0.4873** | | **1,211.5419** | **1,211.5419** | **0.0208** | | **1,212.0630** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Convenience Market With Gas Pumps | 0.00 | 0.00 | 0.00 | | |
| Fast Food Restaurant w/o Drive Thru | 0.00 | 0.00 | 0.00 | | |
| General Heavy Industry | 0.00 | 0.00 | 0.00 | | |
| General Light Industry | 0.00 | 0.00 | 0.00 | | |
| High Turnover (Sit Down Restaurant) | 0.00 | 0.00 | 0.00 | | |
| Manufacturing | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | 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 |
| Convenience Market With Gas Pumps | 9.50 | 7.30 | 7.30 | 0.80 | 80.20 | 19.00 | 14 | 21 | 65 |
| Fast Food Restaurant w/o Drive Thru | 9.50 | 7.30 | 7.30 | 1.50 | 79.50 | 19.00 | 51 | 37 | 12 |
| General Heavy Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| High Turnover (Sit Down Restaurant) | 9.50 | 7.30 | 7.30 | 8.50 | 72.50 | 19.00 | 37 | 20 | 43 |
| Manufacturing | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Unrefrigerated Warehouse-No Rail | 9.50 | 7.30 | 7.30 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Convenience Market With Gas Pumps | 0.568260 | 0.033614 | 0.184668 | 0.102877 | 0.010818 | 0.004253 | 0.018932 | 0.067054 | 0.001372 | 0.001348 | 0.005404 | 0.000777 | 0.000623 |
| Fast Food Restaurant w/o Drive Thru | 0.568260 | 0.033614 | 0.184668 | 0.102877 | 0.010818 | 0.004253 | 0.018932 | 0.067054 | 0.001372 | 0.001348 | 0.005404 | 0.000777 | 0.000623 |
| General Heavy Industry | 0.568260 | 0.033614 | 0.184668 | 0.102877 | 0.010818 | 0.004253 | 0.018932 | 0.067054 | 0.001372 | 0.001348 | 0.005404 | 0.000777 | 0.000623 |
| General Light Industry | 0.568260 | 0.033614 | 0.184668 | 0.102877 | 0.010818 | 0.004253 | 0.018932 | 0.067054 | 0.001372 | 0.001348 | 0.005404 | 0.000777 | 0.000623 |
| High Turnover (Sit Down Restaurant) | 0.568260 | 0.033614 | 0.184668 | 0.102877 | 0.010818 | 0.004253 | 0.018932 | 0.067054 | 0.001372 | 0.001348 | 0.005404 | 0.000777 | 0.000623 |
| Manufacturing | 0.568260 | 0.033614 | 0.184668 | 0.102877 | 0.010818 | 0.004253 | 0.018932 | 0.067054 | 0.001372 | 0.001348 | 0.005404 | 0.000777 | 0.000623 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 0.568260 | 0.033614 | 0.184668 | 0.102877 | 0.010818 | 0.004253 | 0.018932 | 0.067054 | 0.001372 | 0.001348 | 0.005404 | 0.000777 | 0.000623 |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

### 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 | | | | | |
| Convenience Market With Gas Pumps | 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 |
| Fast Food Restaurant w/o Drive Thru | 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 |
| General Heavy Industry | 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 |
| General Light Industry | 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 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| High Turnover (Sit Down Restaurant) | 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 |
| Manufacturing | 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 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | | | | | |
| Convenience Market With Gas Pumps | 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 |
| Fast Food Restaurant w/o Drive Thru | 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 |
| General Heavy Industry | 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 |
| General Light Industry | 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 |
| High Turnover (Sit Down Restaurant) | 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 |
| Manufacturing | 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 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 55.9853 | 2.4100e-003 | 0.2674 | 2.0000e-005 | | 9.5000e-004 | 9.5000e-004 | | 9.5000e-004 | 9.5000e-004 | | 0.5761 | 0.5761 | 1.4900e-003 | | 0.6132 |
| Unmitigated | 55.9853 | 2.4100e-003 | 0.2674 | 2.0000e-005 | | 9.5000e-004 | 9.5000e-004 | | 9.5000e-004 | 9.5000e-004 | | 0.5761 | 0.5761 | 1.4900e-003 | | 0.6132 |

## 6.2 Area by SubCategory

**Unmitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 55.9609 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0245 | 2.4100e-003 | 0.2674 | 2.0000e-005 | | 9.5000e-004 | 9.5000e-004 | | 9.5000e-004 | 9.5000e-004 | | 0.5761 | 0.5761 | 1.4900e-003 | | 0.6132 |
| **Total** | **55.9853** | **2.4100e-003** | **0.2674** | **2.0000e-005** | | **9.5000e-004** | **9.5000e-004** | | **9.5000e-004** | **9.5000e-004** | | **0.5761** | **0.5761** | **1.4900e-003** | | **0.6132** |

**Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 55.9609 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0245 | 2.4100e-003 | 0.2674 | 2.0000e-005 | | 9.5000e-004 | 9.5000e-004 | | 9.5000e-004 | 9.5000e-004 | | 0.5761 | 0.5761 | 1.4900e-003 | | 0.6132 |
| **Total** | **55.9853** | **2.4100e-003** | **0.2674** | **2.0000e-005** | | **9.5000e-004** | **9.5000e-004** | | **9.5000e-004** | **9.5000e-004** | | **0.5761** | **0.5761** | **1.4900e-003** | | **0.6132** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

## 11.0 Vegetation

# SCLA Specific Plan - Phase Two - Construction Only

**San Bernardino-Mojave Desert County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Heavy Industry | 962.50 | 1000sqft | 208.94 | 962,500.00 | 0 |
| General Light Industry | 755.87 | 1000sqft | 164.08 | 755,870.00 | 0 |
| Manufacturing | 870.92 | 1000sqft | 189.06 | 870,920.00 | 0 |
| Unrefrigerated Warehouse-No Rail | 2,612.76 | 1000sqft | 567.17 | 2,612,760.00 | 0 |
| Fast Food Restaurant w/o Drive Thru | 3.80 | 1000sqft | 0.82 | 3,800.00 | 0 |
| High Turnover (Sit Down Restaurant) | 12.00 | 1000sqft | 2.60 | 12,000.00 | 0 |
| Regional Shopping Center | 23.00 | 1000sqft | 4.99 | 23,000.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.6 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 10 | | | **Operational Year** | 2035 |
| **Utility Company** | Statewide Average | | | | |
| **CO2 Intensity (lb/MWhr)** | 1001.57 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction run only.

Land Use - Phase two building development, total lot acreage is from the Specific Plan (1137.66).

Construction Phase - anticipated Construction Schedule over 5 years.

Grading - Cut and Fill is balanced.

Architectural Coating - MDAQMD Rule 1113. 50g/L VOC content

Vehicle Trips - Construction only - no operational emissions.

Woodstoves - Construction Only - No Operational Emissions.

Consumer Products - Construction only - no operational emissions.

Area Coating - Construction Only - No Operational Emissions.

Landscape Equipment - Construction Only - No Operational Emissions.

Energy Use - Construction Only - No Operational Emissions.

Water And Wastewater - Construction Only - No Operational Emissions.

Solid Waste - Construction Only - No Operational Emissions.

Construction Off-road Equipment Mitigation - MDAQMD Rule 403.2

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblAreaCoating | Area_Nonresidential_Exterior | 2620425 | 0 |
| tblAreaCoating | Area_Nonresidential_Interior | 7861275 | 0 |
| tblAreaCoating | ReapplicationRatePercent | 10 | 0 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 15 |
| tblConstructionPhase | NumDays | 11,000.00 | 380.00 |
| tblConstructionPhase | NumDays | 155,000.00 | 425.00 |
| tblConstructionPhase | NumDays | 15,500.00 | 270.00 |
| tblConstructionPhase | NumDays | 11,000.00 | 120.00 |
| tblConstructionPhase | NumDays | 6,000.00 | 160.00 |
| tblEnergyUse | LightingElect | 6.62 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 6.62 | 0.00 |

| | | | |
|---|---|---|---|
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 5.61 | 0.00 |
| tblEnergyUse | LightingElect | 1.17 | 0.00 |
| tblEnergyUse | NT24E | 28.48 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 28.48 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 2.44 | 0.00 |
| tblEnergyUse | NT24E | 0.82 | 0.00 |
| tblEnergyUse | NT24NG | 195.77 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 195.77 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 0.30 | 0.00 |
| tblEnergyUse | NT24NG | 0.03 | 0.00 |
| tblEnergyUse | T24E | 12.38 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 12.38 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 4.58 | 0.00 |
| tblEnergyUse | T24E | 0.37 | 0.00 |
| tblEnergyUse | T24NG | 77.67 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 77.67 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 1.92 | 0.00 |

| | | | |
|---|---|---|---|
| tblEnergyUse | T24NG | 2.00 | 0.00 |
| tblGrading | AcresOfGrading | 675.00 | 775.00 |
| tblGrading | MaterialExported | 0.00 | 1,136,250.00 |
| tblGrading | MaterialImported | 0.00 | 1,136,250.00 |
| tblLandUse | LotAcreage | 22.10 | 208.94 |
| tblLandUse | LotAcreage | 17.35 | 164.08 |
| tblLandUse | LotAcreage | 19.99 | 189.06 |
| tblLandUse | LotAcreage | 59.98 | 567.17 |
| tblLandUse | LotAcreage | 0.09 | 0.82 |
| tblLandUse | LotAcreage | 0.28 | 2.60 |
| tblLandUse | LotAcreage | 0.53 | 4.99 |
| tblSolidWaste | SolidWasteGenerationRate | 43.77 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 1,193.50 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 937.28 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 142.80 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 1,079.94 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 24.15 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 2,455.99 | 0.00 |
| tblVehicleTrips | ST_TR | 696.00 | 0.00 |
| tblVehicleTrips | ST_TR | 1.50 | 0.00 |
| tblVehicleTrips | ST_TR | 1.32 | 0.00 |
| tblVehicleTrips | ST_TR | 158.37 | 0.00 |
| tblVehicleTrips | ST_TR | 1.49 | 0.00 |
| tblVehicleTrips | ST_TR | 49.97 | 0.00 |
| tblVehicleTrips | ST_TR | 1.68 | 0.00 |
| tblVehicleTrips | SU_TR | 500.00 | 0.00 |
| tblVehicleTrips | SU_TR | 1.50 | 0.00 |
| tblVehicleTrips | SU_TR | 0.68 | 0.00 |
| tblVehicleTrips | SU_TR | 131.84 | 0.00 |
| tblVehicleTrips | SU_TR | 0.62 | 0.00 |

| | | | |
|---|---|---|---|
| tblVehicleTrips | SU_TR | 25.24 | 0.00 |
| tblVehicleTrips | SU_TR | 1.68 | 0.00 |
| tblVehicleTrips | WD_TR | 716.00 | 0.00 |
| tblVehicleTrips | WD_TR | 1.50 | 0.00 |
| tblVehicleTrips | WD_TR | 6.97 | 0.00 |
| tblVehicleTrips | WD_TR | 127.15 | 0.00 |
| tblVehicleTrips | WD_TR | 3.82 | 0.00 |
| tblVehicleTrips | WD_TR | 42.70 | 0.00 |
| tblVehicleTrips | WD_TR | 1.68 | 0.00 |
| tblWater | IndoorWaterUseRate | 1,153,428.11 | 0.00 |
| tblWater | IndoorWaterUseRate | 222,578,125.00 | 0.00 |
| tblWater | IndoorWaterUseRate | 174,794,937.50 | 0.00 |
| tblWater | IndoorWaterUseRate | 3,642,404.55 | 0.00 |
| tblWater | IndoorWaterUseRate | 201,400,250.00 | 0.00 |
| tblWater | IndoorWaterUseRate | 1,703,667.99 | 0.00 |
| tblWater | IndoorWaterUseRate | 604,200,750.00 | 0.00 |
| tblWater | OutdoorWaterUseRate | 73,623.07 | 0.00 |
| tblWater | OutdoorWaterUseRate | 232,493.91 | 0.00 |
| tblWater | OutdoorWaterUseRate | 1,044,183.61 | 0.00 |

## 2.0 Emissions Summary

### 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 | | | | | |
| 2030 | 0.5279 | 7.3857 | 3.8355 | 0.0373 | 3.8126 | 0.0693 | 3.8819 | 1.4330 | 0.0689 | 1.5019 | 0.0000 | 3,554.1164 | 3,554.1164 | 0.1702 | 0.0000 | 3,558.3718 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2031 | 0.8731 | 13.7458 | 6.8205 | 0.0731 | 3.7655 | 0.0703 | 3.8357 | 1.0860 | 0.0692 | 1.1551 | 0.0000 | 6,992.6916 | 6,992.6916 | 0.3193 | 0.0000 | 7,000.6748 |
| 2032 | 0.8645 | 9.1258 | 7.1414 | 0.0483 | 3.0717 | 0.0361 | 3.1078 | 0.8332 | 0.0350 | 0.8682 | 0.0000 | 4,511.6513 | 4,511.6513 | 0.1744 | 0.0000 | 4,516.0112 |
| 2033 | 4.2266 | 2.9626 | 3.2558 | 0.0163 | 1.0542 | 0.0315 | 1.0857 | 0.2847 | 0.0311 | 0.3158 | 0.0000 | 1,504.5473 | 1,504.5473 | 0.0557 | 0.0000 | 1,505.9385 |
| 2034 | 8.3810 | 0.1564 | 0.8546 | 3.2900e-003 | 0.4592 | 4.2100e-003 | 0.4634 | 0.1220 | 4.0900e-003 | 0.1261 | 0.0000 | 296.1709 | 296.1709 | 4.5200e-003 | 0.0000 | 296.2838 |
| **Maximum** | **8.3810** | **13.7458** | **7.1414** | **0.0731** | **3.8126** | **0.0703** | **3.8819** | **1.4330** | **0.0692** | **1.5019** | **0.0000** | **6,992.6916** | **6,992.6916** | **0.3193** | **0.0000** | **7,000.6748** |

## 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 | | | | | |
| 2030 | 0.5279 | 7.3857 | 3.8355 | 0.0373 | 2.4948 | 0.0693 | 2.5641 | 0.8194 | 0.0689 | 0.8883 | 0.0000 | 3,554.1156 | 3,554.1156 | 0.1702 | 0.0000 | 3,558.3710 |
| 2031 | 0.8731 | 13.7458 | 6.8205 | 0.0731 | 3.2044 | 0.0703 | 3.2747 | 0.8883 | 0.0692 | 0.9574 | 0.0000 | 6,992.6908 | 6,992.6908 | 0.3193 | 0.0000 | 7,000.6740 |
| 2032 | 0.8645 | 9.1258 | 7.1413 | 0.0483 | 3.0717 | 0.0361 | 3.1078 | 0.8332 | 0.0350 | 0.8682 | 0.0000 | 4,511.6509 | 4,511.6509 | 0.1744 | 0.0000 | 4,516.0107 |
| 2033 | 4.2266 | 2.9626 | 3.2558 | 0.0163 | 1.0542 | 0.0315 | 1.0857 | 0.2847 | 0.0311 | 0.3158 | 0.0000 | 1,504.5470 | 1,504.5470 | 0.0557 | 0.0000 | 1,505.9382 |
| 2034 | 8.3810 | 0.1564 | 0.8546 | 3.2900e-003 | 0.4592 | 4.2100e-003 | 0.4634 | 0.1220 | 4.0900e-003 | 0.1261 | 0.0000 | 296.1709 | 296.1709 | 4.5200e-003 | 0.0000 | 296.2838 |
| **Maximum** | **8.3810** | **13.7458** | **7.1413** | **0.0731** | **3.2044** | **0.0703** | **3.2747** | **0.8883** | **0.0692** | **0.9574** | **0.0000** | **6,992.6908** | **6,992.6908** | **0.3193** | **0.0000** | **7,000.6740** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **15.45** | **0.00** | **15.18** | **21.59** | **0.00** | **20.45** | **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** | **1-1-2030** | **3-31-2030** | 0.5197 | 0.5197 |
| **2** | **4-1-2030** | **6-30-2030** | 0.5255 | 0.5255 |
| **3** | **7-1-2030** | **9-30-2030** | 2.5175 | 2.5175 |

| | | | | |
|---|---|---|---|---|
| **4** | **10-1-2030** | **12-31-2030** | 4.2427 | 4.2427 |
| **5** | **1-1-2031** | **3-31-2031** | 4.1497 | 4.1497 |
| **6** | **4-1-2031** | **6-30-2031** | 4.2131 | 4.2131 |
| **7** | **7-1-2031** | **9-30-2031** | 3.5839 | 3.5839 |
| **8** | **10-1-2031** | **12-31-2031** | 2.5132 | 2.5132 |
| **9** | **1-1-2032** | **3-31-2032** | 2.4601 | 2.4601 |
| **10** | **4-1-2032** | **6-30-2032** | 2.4802 | 2.4802 |
| **11** | **7-1-2032** | **9-30-2032** | 2.5074 | 2.5074 |
| **12** | **10-1-2032** | **12-31-2032** | 2.4871 | 2.4871 |
| **13** | **1-1-2033** | **3-31-2033** | 2.4109 | 2.4109 |
| **14** | **4-1-2033** | **6-30-2033** | 0.5412 | 0.5412 |
| **15** | **7-1-2033** | **9-30-2033** | 2.1085 | 2.1085 |
| **16** | **10-1-2033** | **12-31-2033** | 2.1707 | 2.1707 |
| **17** | **1-1-2034** | **3-31-2034** | 2.1209 | 2.1209 |
| **18** | **4-1-2034** | **6-30-2034** | 2.1440 | 2.1440 |
| **19** | **7-1-2034** | **9-30-2034** | 2.1675 | 2.1675 |
| | | **Highest** | 4.2427 | 4.2427 |

## 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 | 20.4725 | 4.3000e-004 | 0.0479 | 0.0000 | | 1.7000e-004 | 1.7000e-004 | | 1.7000e-004 | 1.7000e-004 | 0.0000 | 0.0937 | 0.0937 | 2.4000e-004 | 0.0000 | 0.0997 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **20.4725** | **4.3000e-004** | **0.0479** | **0.0000** | **0.0000** | **1.7000e-004** | **1.7000e-004** | **0.0000** | **1.7000e-004** | **1.7000e-004** | **0.0000** | **0.0937** | **0.0937** | **2.4000e-004** | **0.0000** | **0.0997** |

**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 | 20.4725 | 4.3000e-004 | 0.0479 | 0.0000 | | 1.7000e-004 | 1.7000e-004 | | 1.7000e-004 | 1.7000e-004 | 0.0000 | 0.0937 | 0.0937 | 2.4000e-004 | 0.0000 | 0.0997 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **20.4725** | **4.3000e-004** | **0.0479** | **0.0000** | **0.0000** | **1.7000e-004** | **1.7000e-004** | **0.0000** | **1.7000e-004** | **1.7000e-004** | **0.0000** | **0.0937** | **0.0937** | **2.4000e-004** | **0.0000** | **0.0997** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | 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 | Site Preparation | Site Preparation | 1/1/2030 | 8/12/2030 | 5 | 160 | |
| 2 | Grading | Grading | 8/13/2030 | 8/25/2031 | 5 | 270 | |
| 3 | Building Construction | Building Construction | 8/26/2031 | 4/11/2033 | 5 | 425 | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | Paving | Paving | 4/12/2033 | 9/26/2033 | 5 | 120 | |
| 5 | Architectural Coating | Architectural Coating | 7/15/2033 | 12/28/2034 | 5 | 380 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 775**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 7,861,275; Non-Residential Outdoor: 2,620,425; Striped Parking**

## OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| 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 |
| 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 |
| 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 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 8 | 20.00 | 0.00 | 224,693.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 2,199.00 | 859.00 | 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 |
| Architectural Coating | 1 | 440.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

## 3.2 Site Preparation - 2030

**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 | | | | | 1.4453 | 0.0000 | 1.4453 | 0.7945 | 0.0000 | 0.7945 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1952 | 1.0934 | 1.3034 | 3.7200e-003 | | 0.0349 | 0.0349 | | 0.0349 | 0.0349 | 0.0000 | 320.0369 | 320.0369 | 0.0158 | 0.0000 | 320.4317 |
| **Total** | **0.1952** | **1.0934** | **1.3034** | **3.7200e-003** | **1.4453** | **0.0349** | **1.4802** | **0.7945** | **0.0349** | **0.8294** | **0.0000** | **320.0369** | **320.0369** | **0.0158** | **0.0000** | **320.4317** |

**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 | 2.9900e-003 | 1.6300e-003 | 0.0202 | 8.0000e-005 | 0.0116 | 5.0000e-005 | 0.0117 | 3.0800e-003 | 5.0000e-005 | 3.1300e-003 | 0.0000 | 7.1681 | 7.1681 | 1.2000e-004 | 0.0000 | 7.1710 |
| **Total** | **2.9900e-003** | **1.6300e-003** | **0.0202** | **8.0000e-005** | **0.0116** | **5.0000e-005** | **0.0117** | **3.0800e-003** | **5.0000e-005** | **3.1300e-003** | **0.0000** | **7.1681** | **7.1681** | **1.2000e-004** | **0.0000** | **7.1710** |

## 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 | | | | | 0.5637 | 0.0000 | 0.5637 | 0.3098 | 0.0000 | 0.3098 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1952 | 1.0934 | 1.3033 | 3.7200e-003 | | 0.0349 | 0.0349 | | 0.0349 | 0.0349 | 0.0000 | 320.0365 | 320.0365 | 0.0158 | 0.0000 | 320.4313 |
| **Total** | **0.1952** | **1.0934** | **1.3033** | **3.7200e-003** | **0.5637** | **0.0349** | **0.5986** | **0.3098** | **0.0349** | **0.3448** | **0.0000** | **320.0365** | **320.0365** | **0.0158** | **0.0000** | **320.4313** |

## 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 | 2.9900e-003 | 1.6300e-003 | 0.0202 | 8.0000e-005 | 0.0116 | 5.0000e-005 | 0.0117 | 3.0800e-003 | 5.0000e-005 | 3.1300e-003 | 0.0000 | 7.1681 | 7.1681 | 1.2000e-004 | 0.0000 | 7.1710 |
| **Total** | **2.9900e-003** | **1.6300e-003** | **0.0202** | **8.0000e-005** | **0.0116** | **5.0000e-005** | **0.0117** | **3.0800e-003** | **5.0000e-005** | **3.1300e-003** | **0.0000** | **7.1681** | **7.1681** | **1.2000e-004** | **0.0000** | **7.1710** |

## 3.3 Grading - 2030

### 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 | | | | | 0.7151 | 0.0000 | 0.7151 | 0.2115 | 0.0000 | 0.2115 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1657 | 0.6992 | 1.1627 | 3.5300e-003 | | 0.0246 | 0.0246 | | 0.0246 | 0.0246 | 0.0000 | 330.4529 | 330.4529 | 0.0134 | 0.0000 | 330.7868 |
| **Total** | **0.1657** | **0.6992** | **1.1627** | **3.5300e-003** | **0.7151** | **0.0246** | **0.7397** | **0.2115** | **0.0246** | **0.2362** | **0.0000** | **330.4529** | **330.4529** | **0.0134** | **0.0000** | **330.7868** |

### 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 | 0.1619 | 5.5902 | 1.3351 | 0.0299 | 1.6325 | 9.6400e-003 | 1.6421 | 0.4218 | 9.2200e-003 | 0.4310 | 0.0000 | 2,891.4309 | 2,891.4309 | 0.1409 | 0.0000 | 2,894.9527 |
| 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 | 2.1000e-003 | 1.1400e-003 | 0.0141 | 6.0000e-005 | 8.1400e-003 | 4.0000e-005 | 8.1800e-003 | 2.1600e-003 | 3.0000e-005 | 2.2000e-003 | 0.0000 | 5.0276 | 5.0276 | 8.0000e-005 | 0.0000 | 5.0296 |
| **Total** | **0.1640** | **5.5914** | **1.3493** | **0.0300** | **1.6406** | **9.6800e-003** | **1.6503** | **0.4240** | **9.2500e-003** | **0.4332** | **0.0000** | **2,896.4585** | **2,896.4585** | **0.1410** | **0.0000** | **2,899.9823** |

### 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 | | | | | 0.2789 | 0.0000 | 0.2789 | 0.0825 | 0.0000 | 0.0825 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1657 | 0.6992 | 1.1627 | 3.5300e-003 | | 0.0246 | 0.0246 | | 0.0246 | 0.0246 | 0.0000 | 330.4525 | 330.4525 | 0.0134 | 0.0000 | 330.7864 |
| **Total** | **0.1657** | **0.6992** | **1.1627** | **3.5300e-003** | **0.2789** | **0.0246** | **0.3035** | **0.0825** | **0.0246** | **0.1071** | **0.0000** | **330.4525** | **330.4525** | **0.0134** | **0.0000** | **330.7864** |

**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 | 0.1619 | 5.5902 | 1.3351 | 0.0299 | 1.6325 | 9.6400e-003 | 1.6421 | 0.4218 | 9.2200e-003 | 0.4310 | 0.0000 | 2,891.4309 | 2,891.4309 | 0.1409 | 0.0000 | 2,894.9527 |
| 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 | 2.1000e-003 | 1.1400e-003 | 0.0141 | 6.0000e-005 | 8.1400e-003 | 4.0000e-005 | 8.1800e-003 | 2.1600e-003 | 3.0000e-005 | 2.2000e-003 | 0.0000 | 5.0276 | 5.0276 | 8.0000e-005 | 0.0000 | 5.0296 |
| **Total** | **0.1640** | **5.5914** | **1.3493** | **0.0300** | **1.6406** | **9.6800e-003** | **1.6503** | **0.4240** | **9.2500e-003** | **0.4332** | **0.0000** | **2,896.4585** | **2,896.4585** | **0.1410** | **0.0000** | **2,899.9823** |

## 3.3 Grading - 2031

**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 | | | | | 0.9198 | 0.0000 | 0.9198 | 0.3241 | 0.0000 | 0.3241 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.2772 | 1.1700 | 1.9455 | 5.9100e-003 | | 0.0412 | 0.0412 | | 0.0412 | 0.0412 | 0.0000 | 552.9361 | 552.9361 | 0.0224 | 0.0000 | 553.4947 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **0.2772** | **1.1700** | **1.9455** | **5.9100e-003** | **0.9198** | **0.0412** | **0.9610** | **0.3241** | **0.0412** | **0.3653** | **0.0000** | **552.9361** | **552.9361** | **0.0224** | **0.0000** | **553.4947** |

## 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 | 0.2731 | 9.3501 | 2.2575 | 0.0500 | 1.7535 | 0.0160 | 1.7695 | 0.4657 | 0.0153 | 0.4810 | 0.0000 | 4,836.1677 | 4,836.1677 | 0.2346 | 0.0000 | 4,842.0330 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.2200e-003 | 1.7300e-003 | 0.0222 | 9.0000e-005 | 0.0136 | 6.0000e-005 | 0.0137 | 3.6200e-003 | 5.0000e-005 | 3.6700e-003 | 0.0000 | 8.2366 | 8.2366 | 1.2000e-004 | 0.0000 | 8.2397 |
| **Total** | **0.2763** | **9.3518** | **2.2797** | **0.0501** | **1.7671** | **0.0161** | **1.7832** | **0.4693** | **0.0154** | **0.4847** | **0.0000** | **4,844.4043** | **4,844.4043** | **0.2347** | **0.0000** | **4,850.2727** |

## 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 | | | | | 0.3587 | 0.0000 | 0.3587 | 0.1264 | 0.0000 | 0.1264 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.2772 | 1.1700 | 1.9455 | 5.9100e-003 | | 0.0412 | 0.0412 | | 0.0412 | 0.0412 | 0.0000 | 552.9354 | 552.9354 | 0.0224 | 0.0000 | 553.4941 |
| **Total** | **0.2772** | **1.1700** | **1.9455** | **5.9100e-003** | **0.3587** | **0.0412** | **0.4000** | **0.1264** | **0.0412** | **0.1676** | **0.0000** | **552.9354** | **552.9354** | **0.0224** | **0.0000** | **553.4941** |

## 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 | 0.2731 | 9.3501 | 2.2575 | 0.0500 | 1.7535 | 0.0160 | 1.7695 | 0.4657 | 0.0153 | 0.4810 | 0.0000 | 4,836.1677 | 4,836.1677 | 0.2346 | 0.0000 | 4,842.0330 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.2200e-003 | 1.7300e-003 | 0.0222 | 9.0000e-005 | 0.0136 | 6.0000e-005 | 0.0137 | 3.6200e-003 | 5.0000e-005 | 3.6700e-003 | 0.0000 | 8.2366 | 8.2366 | 1.2000e-004 | 0.0000 | 8.2397 |
| **Total** | **0.2763** | **9.3518** | **2.2797** | **0.0501** | **1.7671** | **0.0161** | **1.7832** | **0.4693** | **0.0154** | **0.4847** | **0.0000** | **4,844.4043** | **4,844.4043** | **0.2347** | **0.0000** | **4,850.2727** |

## 3.4 Building Construction - 2031

### 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 | 0.0602 | 0.3650 | 0.7432 | 1.4200e-003 | | 6.8100e-003 | 6.8100e-003 | | 6.8100e-003 | 6.8100e-003 | 0.0000 | 120.9161 | 120.9161 | 4.8500e-003 | 0.0000 | 121.0373 |
| **Total** | **0.0602** | **0.3650** | **0.7432** | **1.4200e-003** | | **6.8100e-003** | **6.8100e-003** | | **6.8100e-003** | **6.8100e-003** | **0.0000** | **120.9161** | **120.9161** | **4.8500e-003** | **0.0000** | **121.0373** |

### 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 | 0.0666 | 2.7551 | 0.5241 | 0.0102 | 0.2635 | 2.6500e-003 | 0.2661 | 0.0760 | 2.5300e-003 | 0.0786 | 0.0000 | 981.4393 | 981.4393 | 0.0500 | 0.0000 | 982.6892 |
| Worker | 0.1927 | 0.1038 | 1.3280 | 5.4400e-003 | 0.8151 | 3.4600e-003 | 0.8186 | 0.2165 | 3.1900e-003 | 0.2197 | 0.0000 | 492.9958 | 492.9958 | 7.4000e-003 | 0.0000 | 493.1809 |
| **Total** | **0.2593** | **2.8590** | **1.8521** | **0.0157** | **1.0786** | **6.1100e-003** | **1.0847** | **0.2926** | **5.7200e-003** | **0.2983** | **0.0000** | **1,474.4352** | **1,474.4352** | **0.0574** | **0.0000** | **1,475.8701** |

## 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 | 0.0602 | 0.3650 | 0.7432 | 1.4200e-003 | | 6.8100e-003 | 6.8100e-003 | | 6.8100e-003 | 6.8100e-003 | 0.0000 | 120.9159 | 120.9159 | 4.8500e-003 | 0.0000 | 121.0372 |
| **Total** | **0.0602** | **0.3650** | **0.7432** | **1.4200e-003** | | **6.8100e-003** | **6.8100e-003** | | **6.8100e-003** | **6.8100e-003** | **0.0000** | **120.9159** | **120.9159** | **4.8500e-003** | **0.0000** | **121.0372** |

## 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 | 0.0666 | 2.7551 | 0.5241 | 0.0102 | 0.2635 | 2.6500e-003 | 0.2661 | 0.0760 | 2.5300e-003 | 0.0786 | 0.0000 | 981.4393 | 981.4393 | 0.0500 | 0.0000 | 982.6892 |
| Worker | 0.1927 | 0.1038 | 1.3280 | 5.4400e-003 | 0.8151 | 3.4600e-003 | 0.8186 | 0.2165 | 3.1900e-003 | 0.2197 | 0.0000 | 492.9958 | 492.9958 | 7.4000e-003 | 0.0000 | 493.1809 |
| **Total** | **0.2593** | **2.8590** | **1.8521** | **0.0157** | **1.0786** | **6.1100e-003** | **1.0847** | **0.2926** | **5.7200e-003** | **0.2983** | **0.0000** | **1,474.4352** | **1,474.4352** | **0.0574** | **0.0000** | **1,475.8701** |

## 3.4 Building Construction - 2032

### 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 | 0.1715 | 1.0394 | 2.1166 | 4.0600e-003 | | 0.0194 | 0.0194 | | 0.0194 | 0.0194 | 0.0000 | 344.3479 | 344.3479 | 0.0138 | 0.0000 | 344.6933 |
| **Total** | **0.1715** | **1.0394** | **2.1166** | **4.0600e-003** | | **0.0194** | **0.0194** | | **0.0194** | **0.0194** | **0.0000** | **344.3479** | **344.3479** | **0.0138** | **0.0000** | **344.6933** |

### 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 | 0.1886 | 7.8164 | 1.4817 | 0.0291 | 0.7504 | 7.4900e-003 | 0.7578 | 0.2165 | 7.1600e-003 | 0.2237 | 0.0000 | 2,791.4617 | 2,791.4617 | 0.1414 | 0.0000 | 2,794.9965 |
| Worker | 0.5044 | 0.2700 | 3.5431 | 0.0152 | 2.3213 | 9.1800e-003 | 2.3305 | 0.6166 | 8.4500e-003 | 0.6251 | 0.0000 | 1,375.8416 | 1,375.8416 | 0.0192 | 0.0000 | 1,376.3214 |
| **Total** | **0.6930** | **8.0863** | **5.0248** | **0.0443** | **3.0717** | **0.0167** | **3.0884** | **0.8332** | **0.0156** | **0.8488** | **0.0000** | **4,167.3033** | **4,167.3033** | **0.1606** | **0.0000** | **4,171.3179** |

### 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 | 0.1715 | 1.0394 | 2.1166 | 4.0600e-003 | | 0.0194 | 0.0194 | | 0.0194 | 0.0194 | 0.0000 | 344.3475 | 344.3475 | 0.0138 | 0.0000 | 344.6929 |
| **Total** | **0.1715** | **1.0394** | **2.1166** | **4.0600e-003** | | **0.0194** | **0.0194** | | **0.0194** | **0.0194** | **0.0000** | **344.3475** | **344.3475** | **0.0138** | **0.0000** | **344.6929** |

**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 | 0.1886 | 7.8164 | 1.4817 | 0.0291 | 0.7504 | 7.4900e-003 | 0.7578 | 0.2165 | 7.1600e-003 | 0.2237 | 0.0000 | 2,791.4617 | 2,791.4617 | 0.1414 | 0.0000 | 2,794.9965 |
| Worker | 0.5044 | 0.2700 | 3.5431 | 0.0152 | 2.3213 | 9.1800e-003 | 2.3305 | 0.6166 | 8.4500e-003 | 0.6251 | 0.0000 | 1,375.8416 | 1,375.8416 | 0.0192 | 0.0000 | 1,376.3214 |
| **Total** | **0.6930** | **8.0863** | **5.0248** | **0.0443** | **3.0717** | **0.0167** | **3.0884** | **0.8332** | **0.0156** | **0.8488** | **0.0000** | **4,167.3033** | **4,167.3033** | **0.1606** | **0.0000** | **4,171.3179** |

## 3.4 Building Construction - 2033

**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 | 0.0465 | 0.2817 | 0.5736 | 1.1000e-003 | | 5.2600e-003 | 5.2600e-003 | | 5.2600e-003 | 5.2600e-003 | 0.0000 | 93.3157 | 93.3157 | 3.7400e-003 | 0.0000 | 93.4093 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **0.0465** | **0.2817** | **0.5736** | **1.1000e-003** | | **5.2600e-003** | **5.2600e-003** | | **5.2600e-003** | **5.2600e-003** | **0.0000** | **93.3157** | **93.3157** | **3.7400e-003** | **0.0000** | **93.4093** |

## 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 | 0.0509 | 2.1110 | 0.3994 | 7.8800e-003 | 0.2033 | 2.0200e-003 | 0.2054 | 0.0587 | 1.9300e-003 | 0.0606 | 0.0000 | 755.8662 | 755.8662 | 0.0381 | 0.0000 | 756.8177 |
| Worker | 0.1263 | 0.0672 | 0.9043 | 4.0400e-003 | 0.6291 | 2.3200e-003 | 0.6314 | 0.1671 | 2.1400e-003 | 0.1692 | 0.0000 | 366.2185 | 366.2185 | 4.7600e-003 | 0.0000 | 366.3376 |
| **Total** | **0.1772** | **2.1782** | **1.3037** | **0.0119** | **0.8324** | **4.3400e-003** | **0.8367** | **0.2258** | **4.0700e-003** | **0.2298** | **0.0000** | **1,122.0847** | **1,122.0847** | **0.0428** | **0.0000** | **1,123.1552** |

## 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 | 0.0465 | 0.2817 | 0.5736 | 1.1000e-003 | | 5.2600e-003 | 5.2600e-003 | | 5.2600e-003 | 5.2600e-003 | 0.0000 | 93.3156 | 93.3156 | 3.7400e-003 | 0.0000 | 93.4091 |
| **Total** | **0.0465** | **0.2817** | **0.5736** | **1.1000e-003** | | **5.2600e-003** | **5.2600e-003** | | **5.2600e-003** | **5.2600e-003** | **0.0000** | **93.3156** | **93.3156** | **3.7400e-003** | **0.0000** | **93.4091** |

## 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 | 0.0509 | 2.1110 | 0.3994 | 7.8800e-003 | 0.2033 | 2.0200e-003 | 0.2054 | 0.0587 | 1.9300e-003 | 0.0606 | 0.0000 | 755.8662 | 755.8662 | 0.0381 | 0.0000 | 756.8177 |
| Worker | 0.1263 | 0.0672 | 0.9043 | 4.0400e-003 | 0.6291 | 2.3200e-003 | 0.6314 | 0.1671 | 2.1400e-003 | 0.1692 | 0.0000 | 366.2185 | 366.2185 | 4.7600e-003 | 0.0000 | 366.3376 |
| **Total** | **0.1772** | **2.1782** | **1.3037** | **0.0119** | **0.8324** | **4.3400e-003** | **0.8367** | **0.2258** | **4.0700e-003** | **0.2298** | **0.0000** | **1,122.0847** | **1,122.0847** | **0.0428** | **0.0000** | **1,123.1552** |

## 3.5 Paving - 2033

### 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 | 0.0831 | 0.4272 | 0.9510 | 1.6800e-003 | | 0.0198 | 0.0198 | | 0.0198 | 0.0198 | 0.0000 | 144.5971 | 144.5971 | 6.7800e-003 | 0.0000 | 144.7666 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0831** | **0.4272** | **0.9510** | **1.6800e-003** | | **0.0198** | **0.0198** | | **0.0198** | **0.0198** | **0.0000** | **144.5971** | **144.5971** | **6.7800e-003** | **0.0000** | **144.7666** |

### 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 | 1.4600e-003 | 7.7000e-004 | 0.0104 | 5.0000e-005 | 7.2500e-003 | 3.0000e-005 | 7.2800e-003 | 1.9300e-003 | 2.0000e-005 | 1.9500e-003 | 0.0000 | 4.2221 | 4.2221 | 5.0000e-005 | 0.0000 | 4.2235 |
| **Total** | **1.4600e-003** | **7.7000e-004** | **0.0104** | **5.0000e-005** | **7.2500e-003** | **3.0000e-005** | **7.2800e-003** | **1.9300e-003** | **2.0000e-005** | **1.9500e-003** | **0.0000** | **4.2221** | **4.2221** | **5.0000e-005** | **0.0000** | **4.2235** |

## 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 | 0.0831 | 0.4272 | 0.9510 | 1.6800e-003 | | 0.0198 | 0.0198 | | 0.0198 | 0.0198 | 0.0000 | 144.5969 | 144.5969 | 6.7800e-003 | 0.0000 | 144.7664 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0831** | **0.4272** | **0.9510** | **1.6800e-003** | | **0.0198** | **0.0198** | | **0.0198** | **0.0198** | **0.0000** | **144.5969** | **144.5969** | **6.7800e-003** | **0.0000** | **144.7664** |

## 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 | 1.4600e-003 | 7.7000e-004 | 0.0104 | 5.0000e-005 | 7.2500e-003 | 3.0000e-005 | 7.2800e-003 | 1.9300e-003 | 2.0000e-005 | 1.9500e-003 | 0.0000 | 4.2221 | 4.2221 | 5.0000e-005 | 0.0000 | 4.2235 |
| **Total** | **1.4600e-003** | **7.7000e-004** | **0.0104** | **5.0000e-005** | **7.2500e-003** | **3.0000e-005** | **7.2800e-003** | **1.9300e-003** | **2.0000e-005** | **1.9500e-003** | **0.0000** | **4.2221** | **4.2221** | **5.0000e-005** | **0.0000** | **4.2235** |

## 3.6 Architectural Coating - 2033

### 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 | 3.8674 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 7.9100e-003 | 0.0518 | 0.1088 | 1.8000e-004 | | 1.2300e-003 | 1.2300e-003 | | 1.2300e-003 | 1.2300e-003 | 0.0000 | 15.4472 | 15.4472 | 6.3000e-004 | 0.0000 | 15.4628 |
| **Total** | **3.8754** | **0.0518** | **0.1088** | **1.8000e-004** | | **1.2300e-003** | **1.2300e-003** | | **1.2300e-003** | **1.2300e-003** | **0.0000** | **15.4472** | **15.4472** | **6.3000e-004** | **0.0000** | **15.4628** |

### 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 | 0.0431 | 0.0229 | 0.3084 | 1.3800e-003 | 0.2145 | 7.9000e-004 | 0.2153 | 0.0570 | 7.3000e-004 | 0.0577 | 0.0000 | 124.8806 | 124.8806 | 1.6200e-003 | 0.0000 | 124.9211 |
| **Total** | **0.0431** | **0.0229** | **0.3084** | **1.3800e-003** | **0.2145** | **7.9000e-004** | **0.2153** | **0.0570** | **7.3000e-004** | **0.0577** | **0.0000** | **124.8806** | **124.8806** | **1.6200e-003** | **0.0000** | **124.9211** |

### 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 | 3.8674 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 7.9100e-003 | 0.0518 | 0.1088 | 1.8000e-004 | | 1.2300e-003 | 1.2300e-003 | | 1.2300e-003 | 1.2300e-003 | 0.0000 | 15.4472 | 15.4472 | 6.3000e-004 | 0.0000 | 15.4628 |
| **Total** | **3.8754** | **0.0518** | **0.1088** | **1.8000e-004** | | **1.2300e-003** | **1.2300e-003** | | **1.2300e-003** | **1.2300e-003** | **0.0000** | **15.4472** | **15.4472** | **6.3000e-004** | **0.0000** | **15.4628** |

**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 | 0.0431 | 0.0229 | 0.3084 | 1.3800e-003 | 0.2145 | 7.9000e-004 | 0.2153 | 0.0570 | 7.3000e-004 | 0.0577 | 0.0000 | 124.8806 | 124.8806 | 1.6200e-003 | 0.0000 | 124.9211 |
| **Total** | **0.0431** | **0.0229** | **0.3084** | **1.3800e-003** | **0.2145** | **7.9000e-004** | **0.2153** | **0.0570** | **7.3000e-004** | **0.0577** | **0.0000** | **124.8806** | **124.8806** | **1.6200e-003** | **0.0000** | **124.9211** |

## 3.6 Architectural Coating - 2034

**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 | 8.2782 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road | 0.0169 | 0.1109 | 0.2328 | 3.8000e-004 | | 2.6300e-003 | 2.6300e-003 | | 2.6300e-003 | 2.6300e-003 | 0.0000 | 33.0646 | 33.0646 | 1.3400e-003 | 0.0000 | 33.0981 |
| **Total** | **8.2952** | **0.1109** | **0.2328** | **3.8000e-004** | | **2.6300e-003** | **2.6300e-003** | | **2.6300e-003** | **2.6300e-003** | **0.0000** | **33.0646** | **33.0646** | **1.3400e-003** | **0.0000** | **33.0981** |

## 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 | 0.0858 | 0.0455 | 0.6217 | 2.9000e-003 | 0.4592 | 1.5800e-003 | 0.4607 | 0.1220 | 1.4600e-003 | 0.1234 | 0.0000 | 263.1063 | 263.1063 | 3.1800e-003 | 0.0000 | 263.1857 |
| **Total** | **0.0858** | **0.0455** | **0.6217** | **2.9000e-003** | **0.4592** | **1.5800e-003** | **0.4607** | **0.1220** | **1.4600e-003** | **0.1234** | **0.0000** | **263.1063** | **263.1063** | **3.1800e-003** | **0.0000** | **263.1857** |

## 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 | 8.2782 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0169 | 0.1109 | 0.2328 | 3.8000e-004 | | 2.6300e-003 | 2.6300e-003 | | 2.6300e-003 | 2.6300e-003 | 0.0000 | 33.0646 | 33.0646 | 1.3400e-003 | 0.0000 | 33.0981 |
| **Total** | **8.2952** | **0.1109** | **0.2328** | **3.8000e-004** | | **2.6300e-003** | **2.6300e-003** | | **2.6300e-003** | **2.6300e-003** | **0.0000** | **33.0646** | **33.0646** | **1.3400e-003** | **0.0000** | **33.0981** |

## 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 | 0.0858 | 0.0455 | 0.6217 | 2.9000e-003 | 0.4592 | 1.5800e-003 | 0.4607 | 0.1220 | 1.4600e-003 | 0.1234 | 0.0000 | 263.1063 | 263.1063 | 3.1800e-003 | 0.0000 | 263.1857 |
| **Total** | **0.0858** | **0.0455** | **0.6217** | **2.9000e-003** | **0.4592** | **1.5800e-003** | **0.4607** | **0.1220** | **1.4600e-003** | **0.1234** | **0.0000** | **263.1063** | **263.1063** | **3.1800e-003** | **0.0000** | **263.1857** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

### 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |

| | | | | | |
|---|---|---|---|---|---|
| Fast Food Restaurant w/o Drive Thru | 0.00 | 0.00 | 0.00 | | |
| General Heavy Industry | 0.00 | 0.00 | 0.00 | | |
| General Light Industry | 0.00 | 0.00 | 0.00 | | |
| High Turnover (Sit Down Restaurant) | 0.00 | 0.00 | 0.00 | | |
| Manufacturing | 0.00 | 0.00 | 0.00 | | |
| Regional Shopping Center | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

### 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | 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 |
| Fast Food Restaurant w/o Drive Thru | 9.50 | 7.30 | 7.30 | 1.50 | 79.50 | 19.00 | 51 | 37 | 12 |
| General Heavy Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| High Turnover (Sit Down Restaurant) | 9.50 | 7.30 | 7.30 | 8.50 | 72.50 | 19.00 | 37 | 20 | 43 |
| Manufacturing | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |
| Unrefrigerated Warehouse-No Rail | 9.50 | 7.30 | 7.30 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fast Food Restaurant w/o Drive Thru | 0.570872 | 0.033060 | 0.185207 | 0.100996 | 0.009580 | 0.004113 | 0.018871 | 0.068007 | 0.001377 | 0.001299 | 0.005311 | 0.000756 | 0.000551 |
| General Heavy Industry | 0.570872 | 0.033060 | 0.185207 | 0.100996 | 0.009580 | 0.004113 | 0.018871 | 0.068007 | 0.001377 | 0.001299 | 0.005311 | 0.000756 | 0.000551 |
| General Light Industry | 0.570872 | 0.033060 | 0.185207 | 0.100996 | 0.009580 | 0.004113 | 0.018871 | 0.068007 | 0.001377 | 0.001299 | 0.005311 | 0.000756 | 0.000551 |
| High Turnover (Sit Down Restaurant) | 0.570872 | 0.033060 | 0.185207 | 0.100996 | 0.009580 | 0.004113 | 0.018871 | 0.068007 | 0.001377 | 0.001299 | 0.005311 | 0.000756 | 0.000551 |
| Manufacturing | 0.570872 | 0.033060 | 0.185207 | 0.100996 | 0.009580 | 0.004113 | 0.018871 | 0.068007 | 0.001377 | 0.001299 | 0.005311 | 0.000756 | 0.000551 |
| Regional Shopping Center | 0.570872 | 0.033060 | 0.185207 | 0.100996 | 0.009580 | 0.004113 | 0.018871 | 0.068007 | 0.001377 | 0.001299 | 0.005311 | 0.000756 | 0.000551 |
| Unrefrigerated Warehouse-No Rail | 0.570872 | 0.033060 | 0.185207 | 0.100996 | 0.009580 | 0.004113 | 0.018871 | 0.068007 | 0.001377 | 0.001299 | 0.005311 | 0.000756 | 0.000551 |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

## 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 | | | | | |
| Fast Food Restaurant w/o Drive Thru | 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 |
| General Heavy Industry | 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 |
| General Light Industry | 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 |
| High Turnover (Sit Down Restaurant) | 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 |
| Manufacturing | 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 |
| Regional Shopping Center | 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 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | | | | | |
| Fast Food Restaurant w/o Drive Thru | 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 |
| General Heavy Industry | 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 |
| General Light Industry | 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 |
| High Turnover (Sit Down Restaurant) | 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 |
| Manufacturing | 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 |
| Regional Shopping Center | 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 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 5.3 Energy by Land Use - Electricity

**Unmitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Fast Food Restaurant w/o Drive Thru | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Heavy Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | |
|---|---|---|---|---|---|
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| High Turnover (Sit Down Restaurant) | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**Mitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Fast Food Restaurant w/o Drive Thru | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Heavy Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| High Turnover (Sit Down Restaurant) | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 6.0 Area Detail

### 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 | 20.4725 | 4.3000e-004 | 0.0479 | 0.0000 | | 1.7000e-004 | 1.7000e-004 | | 1.7000e-004 | 1.7000e-004 | 0.0000 | 0.0937 | 0.0937 | 2.4000e-004 | 0.0000 | 0.0997 |
| Unmitigated | 20.4725 | 4.3000e-004 | 0.0479 | 0.0000 | | 1.7000e-004 | 1.7000e-004 | | 1.7000e-004 | 1.7000e-004 | 0.0000 | 0.0937 | 0.0937 | 2.4000e-004 | 0.0000 | 0.0997 |

## 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 | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 20.4681 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 4.3800e-003 | 4.3000e-004 | 0.0479 | 0.0000 | | 1.7000e-004 | 1.7000e-004 | | 1.7000e-004 | 1.7000e-004 | 0.0000 | 0.0937 | 0.0937 | 2.4000e-004 | 0.0000 | 0.0997 |
| **Total** | **20.4725** | **4.3000e-004** | **0.0479** | **0.0000** | | **1.7000e-004** | **1.7000e-004** | | **1.7000e-004** | **1.7000e-004** | **0.0000** | **0.0937** | **0.0937** | **2.4000e-004** | **0.0000** | **0.0997** |

**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 | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 20.4681 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 4.3800e-003 | 4.3000e-004 | 0.0479 | 0.0000 | | 1.7000e-004 | 1.7000e-004 | | 1.7000e-004 | 1.7000e-004 | 0.0000 | 0.0937 | 0.0937 | 2.4000e-004 | 0.0000 | 0.0997 |
| **Total** | **20.4725** | **4.3000e-004** | **0.0479** | **0.0000** | | **1.7000e-004** | **1.7000e-004** | | **1.7000e-004** | **1.7000e-004** | **0.0000** | **0.0937** | **0.0937** | **2.4000e-004** | **0.0000** | **0.0997** |

# 7.0 Water Detail

## 7.1 Mitigation Measures Water

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| Category | MT/yr | | | |
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

## 7.2 Water by Land Use

**Unmitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Fast Food Restaurant w/o Drive-Thru | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | |
|---|---|---|---|---|---|
| General Heavy Industry | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| High Turnover (Sit Down Restaurant) | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**Mitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Fast Food Restaurant w/o Drive Thru | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Heavy Industry | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| High Turnover (Sit Down Restaurant) | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 8.0 Waste Detail

## 8.1 Mitigation Measures Waste

**Category/Year**

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

## 8.2 Waste by Land Use

**Unmitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Fast Food Restaurant w/o Drive Thru | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Heavy Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| High Turnover (Sit Down Restaurant) | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | |
|---|---|---|---|---|---|
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**Mitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Fast Food Restaurant w/o Drive Thru | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Heavy Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| High Turnover (Sit Down Restaurant) | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

## 11.0 Vegetation

# SCLA Specific Plan - Phase Two - Construction Only

**San Bernardino-Mojave Desert County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Heavy Industry | 962.50 | 1000sqft | 208.94 | 962,500.00 | 0 |
| General Light Industry | 755.87 | 1000sqft | 164.08 | 755,870.00 | 0 |
| Manufacturing | 870.92 | 1000sqft | 189.06 | 870,920.00 | 0 |
| Unrefrigerated Warehouse-No Rail | 2,612.76 | 1000sqft | 567.17 | 2,612,760.00 | 0 |
| Fast Food Restaurant w/o Drive Thru | 3.80 | 1000sqft | 0.82 | 3,800.00 | 0 |
| High Turnover (Sit Down Restaurant) | 12.00 | 1000sqft | 2.60 | 12,000.00 | 0 |
| Regional Shopping Center | 23.00 | 1000sqft | 4.99 | 23,000.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.6 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 10 | | | **Operational Year** | 2035 |
| **Utility Company** | Statewide Average | | | | |
| **CO2 Intensity (lb/MWhr)** | 1001.57 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction run only.

Land Use - Phase two building development, total lot acreage is from the Specific Plan (1137.66).

Construction Phase - anticipated Construction Schedule over 5 years.

Grading - Cut and Fill is balanced.

Architectural Coating - MDAQMD Rule 1113. 50g/L VOC content

Vehicle Trips - Construction only - no operational emissions.

Woodstoves - Construction Only - No Operational Emissions.

Consumer Products - Construction only - no operational emissions.

Area Coating - Construction Only - No Operational Emissions.

Landscape Equipment - Construction Only - No Operational Emissions.

Energy Use - Construction Only - No Operational Emissions.

Water And Wastewater - Construction Only - No Operational Emissions.

Solid Waste - Construction Only - No Operational Emissions.

Construction Off-road Equipment Mitigation - MDAQMD Rule 403.2

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblAreaCoating | Area_Nonresidential_Exterior | 2620425 | 0 |
| tblAreaCoating | Area_Nonresidential_Interior | 7861275 | 0 |
| tblAreaCoating | ReapplicationRatePercent | 10 | 0 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 15 |
| tblConstructionPhase | NumDays | 11,000.00 | 380.00 |
| tblConstructionPhase | NumDays | 155,000.00 | 425.00 |
| tblConstructionPhase | NumDays | 15,500.00 | 270.00 |
| tblConstructionPhase | NumDays | 11,000.00 | 120.00 |
| tblConstructionPhase | NumDays | 6,000.00 | 160.00 |
| tblEnergyUse | LightingElect | 6.62 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 6.62 | 0.00 |

| | | | |
|---|---|---|---|
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 5.61 | 0.00 |
| tblEnergyUse | LightingElect | 1.17 | 0.00 |
| tblEnergyUse | NT24E | 28.48 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 28.48 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 2.44 | 0.00 |
| tblEnergyUse | NT24E | 0.82 | 0.00 |
| tblEnergyUse | NT24NG | 195.77 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 195.77 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 0.30 | 0.00 |
| tblEnergyUse | NT24NG | 0.03 | 0.00 |
| tblEnergyUse | T24E | 12.38 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 12.38 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 4.58 | 0.00 |
| tblEnergyUse | T24E | 0.37 | 0.00 |
| tblEnergyUse | T24NG | 77.67 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 77.67 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 1.92 | 0.00 |

| | | | |
|---|---|---|---|
| tblEnergyUse | T24NG | 2.00 | 0.00 |
| tblGrading | AcresOfGrading | 675.00 | 775.00 |
| tblGrading | MaterialExported | 0.00 | 1,136,250.00 |
| tblGrading | MaterialImported | 0.00 | 1,136,250.00 |
| tblLandUse | LotAcreage | 22.10 | 208.94 |
| tblLandUse | LotAcreage | 17.35 | 164.08 |
| tblLandUse | LotAcreage | 19.99 | 189.06 |
| tblLandUse | LotAcreage | 59.98 | 567.17 |
| tblLandUse | LotAcreage | 0.09 | 0.82 |
| tblLandUse | LotAcreage | 0.28 | 2.60 |
| tblLandUse | LotAcreage | 0.53 | 4.99 |
| tblSolidWaste | SolidWasteGenerationRate | 43.77 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 1,193.50 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 937.28 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 142.80 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 1,079.94 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 24.15 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 2,455.99 | 0.00 |
| tblVehicleTrips | ST_TR | 696.00 | 0.00 |
| tblVehicleTrips | ST_TR | 1.50 | 0.00 |
| tblVehicleTrips | ST_TR | 1.32 | 0.00 |
| tblVehicleTrips | ST_TR | 158.37 | 0.00 |
| tblVehicleTrips | ST_TR | 1.49 | 0.00 |
| tblVehicleTrips | ST_TR | 49.97 | 0.00 |
| tblVehicleTrips | ST_TR | 1.68 | 0.00 |
| tblVehicleTrips | SU_TR | 500.00 | 0.00 |
| tblVehicleTrips | SU_TR | 1.50 | 0.00 |
| tblVehicleTrips | SU_TR | 0.68 | 0.00 |
| tblVehicleTrips | SU_TR | 131.84 | 0.00 |
| tblVehicleTrips | SU_TR | 0.62 | 0.00 |

| | | | |
|---|---|---|---|
| tblVehicleTrips | SU_TR | 25.24 | 0.00 |
| tblVehicleTrips | SU_TR | 1.68 | 0.00 |
| tblVehicleTrips | WD_TR | 716.00 | 0.00 |
| tblVehicleTrips | WD_TR | 1.50 | 0.00 |
| tblVehicleTrips | WD_TR | 6.97 | 0.00 |
| tblVehicleTrips | WD_TR | 127.15 | 0.00 |
| tblVehicleTrips | WD_TR | 3.82 | 0.00 |
| tblVehicleTrips | WD_TR | 42.70 | 0.00 |
| tblVehicleTrips | WD_TR | 1.68 | 0.00 |
| tblWater | IndoorWaterUseRate | 1,153,428.11 | 0.00 |
| tblWater | IndoorWaterUseRate | 222,578,125.00 | 0.00 |
| tblWater | IndoorWaterUseRate | 174,794,937.50 | 0.00 |
| tblWater | IndoorWaterUseRate | 3,642,404.55 | 0.00 |
| tblWater | IndoorWaterUseRate | 201,400,250.00 | 0.00 |
| tblWater | IndoorWaterUseRate | 1,703,667.99 | 0.00 |
| tblWater | IndoorWaterUseRate | 604,200,750.00 | 0.00 |
| tblWater | OutdoorWaterUseRate | 73,623.07 | 0.00 |
| tblWater | OutdoorWaterUseRate | 232,493.91 | 0.00 |
| tblWater | OutdoorWaterUseRate | 1,044,183.61 | 0.00 |

## 2.0 Emissions Summary

### 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 | | | | | |
| 2030 | 6.4733 | 123.1951 | 48.6304 | 0.6697 | 42.2015 | 0.6786 | 42.8801 | 12.1932 | 0.6704 | 12.8635 | 0.0000 | 71,124.4131 | 71,124.4131 | 3.2697 | 0.0000 | 71,206.1564 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2031 | 7.3988 | 123.1386 | 60.3640 | 0.6693 | 30.3666 | 0.6775 | 31.0441 | 9.2882 | 0.6693 | 9.9575 | 0.0000 | 71,094.5555 | 71,094.5555 | 3.2562 | 0.0000 | 71,175.9599 |
| 2032 | 7.0107 | 69.3017 | 58.2294 | 0.3829 | 23.8830 | 0.2750 | 24.1580 | 6.4667 | 0.2669 | 6.7336 | 0.0000 | 39,371.0172 | 39,371.0172 | 1.4325 | 0.0000 | 39,406.8306 |
| 2033 | 66.2608 | 68.9577 | 56.3961 | 0.3805 | 23.8829 | 0.3645 | 24.1529 | 6.4667 | 0.3634 | 6.7289 | 0.0000 | 39,129.5966 | 39,129.5966 | 1.4102 | 0.0000 | 39,164.8510 |
| 2034 | 64.7926 | 1.1756 | 7.4361 | 0.0274 | 3.6145 | 0.0325 | 3.6470 | 0.9587 | 0.0316 | 0.9903 | 0.0000 | 2,724.5174 | 2,724.5174 | 0.0414 | 0.0000 | 2,725.5535 |
| **Maximum** | **66.2608** | **123.1951** | **60.3640** | **0.6697** | **42.2015** | **0.6786** | **42.8801** | **12.1932** | **0.6704** | **12.8635** | **0.0000** | **71,124.4131** | **71,124.4131** | **3.2697** | **0.0000** | **71,206.1564** |

## 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 | | | | | |
| 2030 | 6.4733 | 123.1951 | 48.6304 | 0.6697 | 36.6712 | 0.6786 | 37.3498 | 9.9734 | 0.6704 | 10.6438 | 0.0000 | 71,124.4131 | 71,124.4131 | 3.2697 | 0.0000 | 71,206.1564 |
| 2031 | 7.3988 | 123.1386 | 60.3640 | 0.6693 | 24.8363 | 0.6775 | 25.5138 | 7.0685 | 0.6693 | 7.7378 | 0.0000 | 71,094.5555 | 71,094.5555 | 3.2562 | 0.0000 | 71,175.9599 |
| 2032 | 7.0107 | 69.3017 | 58.2294 | 0.3829 | 23.8830 | 0.2750 | 24.1580 | 6.4667 | 0.2669 | 6.7336 | 0.0000 | 39,371.0172 | 39,371.0172 | 1.4325 | 0.0000 | 39,406.8306 |
| 2033 | 66.2608 | 68.9577 | 56.3961 | 0.3805 | 23.8829 | 0.3645 | 24.1529 | 6.4667 | 0.3634 | 6.7289 | 0.0000 | 39,129.5966 | 39,129.5966 | 1.4102 | 0.0000 | 39,164.8510 |
| 2034 | 64.7926 | 1.1756 | 7.4361 | 0.0274 | 3.6145 | 0.0325 | 3.6470 | 0.9587 | 0.0316 | 0.9903 | 0.0000 | 2,724.5174 | 2,724.5174 | 0.0414 | 0.0000 | 2,725.5535 |
| **Maximum** | **66.2608** | **123.1951** | **60.3640** | **0.6697** | **36.6712** | **0.6786** | **37.3498** | **9.9734** | **0.6704** | **10.6438** | **0.0000** | **71,124.4131** | **71,124.4131** | **3.2697** | **0.0000** | **71,206.1564** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **8.92** | **0.00** | **8.79** | **12.55** | **0.00** | **11.91** | **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 | 112.2029 | 4.7800e-003 | 0.5320 | 4.0000e-005 | | 1.8900e-003 | 1.8900e-003 | | 1.8900e-003 | 1.8900e-003 | | 1.1470 | 1.1470 | 2.9500e-003 | | 1.2209 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 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** | **112.2029** | **4.7800e-003** | **0.5320** | **4.0000e-005** | **0.0000** | **1.8900e-003** | **1.8900e-003** | **0.0000** | **1.8900e-003** | **1.8900e-003** | | **1.1470** | **1.1470** | **2.9500e-003** | **0.0000** | **1.2209** |

**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 | 112.2029 | 4.7800e-003 | 0.5320 | 4.0000e-005 | | 1.8900e-003 | 1.8900e-003 | | 1.8900e-003 | 1.8900e-003 | | 1.1470 | 1.1470 | 2.9500e-003 | | 1.2209 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 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** | **112.2029** | **4.7800e-003** | **0.5320** | **4.0000e-005** | **0.0000** | **1.8900e-003** | **1.8900e-003** | **0.0000** | **1.8900e-003** | **1.8900e-003** | | **1.1470** | **1.1470** | **2.9500e-003** | **0.0000** | **1.2209** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | 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 | Site Preparation | Site Preparation | 1/1/2030 | 8/12/2030 | 5 | 160 | |
| 2 | Grading | Grading | 8/13/2030 | 8/25/2031 | 5 | 270 | |
| 3 | Building Construction | Building Construction | 8/26/2031 | 4/11/2033 | 5 | 425 | |
| 4 | Paving | Paving | 4/12/2033 | 9/26/2033 | 5 | 120 | |
| 5 | Architectural Coating | Architectural Coating | 7/15/2033 | 12/28/2034 | 5 | 380 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 775**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 7,861,275; Non-Residential Outdoor: 2,620,425; Striped Parking**

**OffRoad Equipment**

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| 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 |
| 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 |
| 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 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 8 | 20.00 | 0.00 | 224,693.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 2,199.00 | 859.00 | 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 |
| Architectural Coating | 1 | 440.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

## 3.2 Site Preparation - 2030

**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 | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.4399 | 13.6680 | 16.2918 | 0.0466 | | 0.4367 | 0.4367 | | 0.4367 | 0.4367 | | 4,409.7537 | 4,409.7537 | 0.2176 | | 4,415.1936 |
| **Total** | **2.4399** | **13.6680** | **16.2918** | **0.0466** | **18.0663** | **0.4367** | **18.5029** | **9.9307** | **0.4367** | **10.3673** | | **4,409.7537** | **4,409.7537** | **0.2176** | | **4,415.1936** |

**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 |
| 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 |
| Worker | 0.0418 | 0.0185 | 0.2931 | 1.0800e-003 | 0.1479 | 6.6000e-004 | 0.1485 | 0.0392 | 6.1000e-004 | 0.0398 | | 107.6962 | 107.6962 | 1.7600e-003 | | 107.7401 |
| **Total** | **0.0418** | **0.0185** | **0.2931** | **1.0800e-003** | **0.1479** | **6.6000e-004** | **0.1485** | **0.0392** | **6.1000e-004** | **0.0398** | | **107.6962** | **107.6962** | **1.7600e-003** | | **107.7401** |

## 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 | | | | | 7.0458 | 0.0000 | 7.0458 | 3.8730 | 0.0000 | 3.8730 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.4399 | 13.6680 | 16.2918 | 0.0466 | | 0.4367 | 0.4367 | | 0.4367 | 0.4367 | 0.0000 | 4,409.7537 | 4,409.7537 | 0.2176 | | 4,415.1936 |
| **Total** | **2.4399** | **13.6680** | **16.2918** | **0.0466** | **7.0458** | **0.4367** | **7.4825** | **3.8730** | **0.4367** | **4.3096** | **0.0000** | **4,409.7537** | **4,409.7537** | **0.2176** | | **4,415.1936** |

## 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 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Worker | 0.0418 | 0.0185 | 0.2931 | 1.0800e-003 | 0.1479 | 6.6000e-004 | 0.1485 | 0.0392 | 6.1000e-004 | 0.0398 | | 107.6962 | 107.6962 | 1.7600e-003 | | 107.7401 |
| **Total** | **0.0418** | **0.0185** | **0.2931** | **1.0800e-003** | **0.1479** | **6.6000e-004** | **0.1485** | **0.0392** | **6.1000e-004** | **0.0398** | | **107.6962** | **107.6962** | **1.7600e-003** | | **107.7401** |

## 3.3 Grading - 2030

### 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 | | | | | 9.0661 | 0.0000 | 9.0661 | 3.6389 | 0.0000 | 3.6389 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.2807 | 13.8462 | 23.0239 | 0.0699 | | 0.4879 | 0.4879 | | 0.4879 | 0.4879 | | 7,213.1086 | 7,213.1086 | 0.2915 | | 7,220.3963 |
| **Total** | **3.2807** | **13.8462** | **23.0239** | **0.0699** | **9.0661** | **0.4879** | **9.5540** | **3.6389** | **0.4879** | **4.1268** | | **7,213.1086** | **7,213.1086** | **0.2915** | | **7,220.3963** |

### 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 | 3.1462 | 109.3285 | 25.2808 | 0.5986 | 32.9711 | 0.1900 | 33.1610 | 8.5107 | 0.1817 | 8.6924 | | 63,791.6422 | 63,791.6422 | 2.9763 | | 63,866.0489 |
| 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 |
| Worker | 0.0464 | 0.0205 | 0.3257 | 1.2000e-003 | 0.1643 | 7.3000e-004 | 0.1650 | 0.0436 | 6.7000e-004 | 0.0443 | | 119.6624 | 119.6624 | 1.9500e-003 | | 119.7112 |
| **Total** | **3.1926** | **109.3490** | **25.6065** | **0.5998** | **33.1354** | **0.1907** | **33.3261** | **8.5543** | **0.1824** | **8.7367** | | **63,911.3046** | **63,911.3046** | **2.9782** | | **63,985.7601** |

## 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 | | | | | 3.5358 | 0.0000 | 3.5358 | 1.4192 | 0.0000 | 1.4192 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.2807 | 13.8462 | 23.0239 | 0.0699 | | 0.4879 | 0.4879 | | 0.4879 | 0.4879 | 0.0000 | 7,213.1086 | 7,213.1086 | 0.2915 | | 7,220.3963 |
| **Total** | **3.2807** | **13.8462** | **23.0239** | **0.0699** | **3.5358** | **0.4879** | **4.0237** | **1.4192** | **0.4879** | **1.9071** | **0.0000** | **7,213.1086** | **7,213.1086** | **0.2915** | | **7,220.3963** |

## 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 | 3.1462 | 109.3285 | 25.2808 | 0.5986 | 32.9711 | 0.1900 | 33.1610 | 8.5107 | 0.1817 | 8.6924 | | 63,791.6422 | 63,791.6422 | 2.9763 | | 63,866.0489 |
| 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 |
| Worker | 0.0464 | 0.0205 | 0.3257 | 1.2000e-003 | 0.1643 | 7.3000e-004 | 0.1650 | 0.0436 | 6.7000e-004 | 0.0443 | | 119.6624 | 119.6624 | 1.9500e-003 | | 119.7112 |
| **Total** | **3.1926** | **109.3490** | **25.6065** | **0.5998** | **33.1354** | **0.1907** | **33.3261** | **8.5543** | **0.1824** | **8.7367** | | **63,911.3046** | **63,911.3046** | **2.9782** | | **63,985.7601** |

## 3.3 Grading - 2031

### 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 | | | | | 9.0661 | 0.0000 | 9.0661 | 3.6389 | 0.0000 | 3.6389 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.2807 | 13.8462 | 23.0239 | 0.0699 | | 0.4879 | 0.4879 | | 0.4879 | 0.4879 | | 7,213.1086 | 7,213.1086 | 0.2915 | | 7,220.3963 |
| **Total** | **3.2807** | **13.8462** | **23.0239** | **0.0699** | **9.0661** | **0.4879** | **9.5540** | **3.6389** | **0.4879** | **4.1268** | | **7,213.1086** | **7,213.1086** | **0.2915** | | **7,220.3963** |

## 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 | 3.1719 | 109.2738 | 25.5602 | 0.5982 | 21.1362 | 0.1889 | 21.3251 | 5.6057 | 0.1807 | 5.7864 | | 63,764.2698 | 63,764.2698 | 2.9629 | | 63,838.3419 |
| 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 |
| Worker | 0.0425 | 0.0186 | 0.3063 | 1.1700e-003 | 0.1643 | 6.8000e-004 | 0.1650 | 0.0436 | 6.3000e-004 | 0.0442 | | 117.1771 | 117.1771 | 1.7800e-003 | | 117.2217 |
| **Total** | **3.2144** | **109.2925** | **25.8665** | **0.5994** | **21.3005** | **0.1896** | **21.4900** | **5.6493** | **0.1813** | **5.8307** | | **63,881.4469** | **63,881.4469** | **2.9647** | | **63,955.5636** |

## 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 | | | | | 3.5358 | 0.0000 | 3.5358 | 1.4192 | 0.0000 | 1.4192 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.2807 | 13.8462 | 23.0239 | 0.0699 | | 0.4879 | 0.4879 | | 0.4879 | 0.4879 | 0.0000 | 7,213.1086 | 7,213.1086 | 0.2915 | | 7,220.3963 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **3.2807** | **13.8462** | **23.0239** | **0.0699** | **3.5358** | **0.4879** | **4.0237** | **1.4192** | **0.4879** | **1.9071** | **0.0000** | **7,213.1086** | **7,213.1086** | **0.2915** | | **7,220.3963** |

**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 | 3.1719 | 109.2738 | 25.5602 | 0.5982 | 21.1362 | 0.1889 | 21.3251 | 5.6057 | 0.1807 | 5.7864 | | 63,764.2698 | 63,764.2698 | 2.9629 | | 63,838.3419 |
| 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 |
| Worker | 0.0425 | 0.0186 | 0.3063 | 1.1700e-003 | 0.1643 | 6.8000e-004 | 0.1650 | 0.0436 | 6.3000e-004 | 0.0442 | | 117.1771 | 117.1771 | 1.7800e-003 | | 117.2217 |
| **Total** | **3.2144** | **109.2925** | **25.8665** | **0.5994** | **21.3005** | **0.1896** | **21.4900** | **5.6493** | **0.1813** | **5.8307** | | **63,881.4469** | **63,881.4469** | **2.9647** | | **63,955.5636** |

## 3.4 Building Construction - 2031

**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 | 1.3091 | 7.9346 | 16.1570 | 0.0310 | | 0.1481 | 0.1481 | | 0.1481 | 0.1481 | | 2,897.5468 | 2,897.5468 | 0.1162 | | 2,900.4529 |
| **Total** | **1.3091** | **7.9346** | **16.1570** | **0.0310** | | **0.1481** | **0.1481** | | **0.1481** | **0.1481** | | **2,897.5468** | **2,897.5468** | **0.1162** | | **2,900.4529** |

**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 |
| Vendor | 1.4131 | 59.7125 | 10.5245 | 0.2258 | 5.8187 | 0.0572 | 5.8759 | 1.6752 | 0.0547 | 1.7299 | | 23,876.2990 | 23,876.2990 | 1.1453 | | 23,904.9304 |
| Worker | 4.6765 | 2.0491 | 33.6826 | 0.1291 | 18.0643 | 0.0753 | 18.1396 | 4.7915 | 0.0692 | 4.8607 | | 12,883.6233 | 12,883.6233 | 0.1962 | | 12,888.5284 |
| **Total** | **6.0896** | **61.7616** | **44.2070** | **0.3549** | **23.8830** | **0.1325** | **24.0155** | **6.4667** | **0.1239** | **6.5906** | | **36,759.9223** | **36,759.9223** | **1.3415** | | **36,793.4588** |

## 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 | 1.3091 | 7.9346 | 16.1570 | 0.0310 | | 0.1481 | 0.1481 | | 0.1481 | 0.1481 | 0.0000 | 2,897.5468 | 2,897.5468 | 0.1162 | | 2,900.4529 |
| **Total** | **1.3091** | **7.9346** | **16.1570** | **0.0310** | | **0.1481** | **0.1481** | | **0.1481** | **0.1481** | **0.0000** | **2,897.5468** | **2,897.5468** | **0.1162** | | **2,900.4529** |

## 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 |
| Vendor | 1.4131 | 59.7125 | 10.5245 | 0.2258 | 5.8187 | 0.0572 | 5.8759 | 1.6752 | 0.0547 | 1.7299 | | 23,876.2990 | 23,876.2990 | 1.1453 | | 23,904.9304 |
| Worker | 4.6765 | 2.0491 | 33.6826 | 0.1291 | 18.0643 | 0.0753 | 18.1396 | 4.7915 | 0.0692 | 4.8607 | | 12,883.6233 | 12,883.6233 | 0.1962 | | 12,888.5284 |
| **Total** | **6.0896** | **61.7616** | **44.2070** | **0.3549** | **23.8830** | **0.1325** | **24.0155** | **6.4667** | **0.1239** | **6.5906** | | **36,759.9223** | **36,759.9223** | **1.3415** | | **36,793.4588** |

## 3.4 Building Construction - 2032

### 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 | 1.3091 | 7.9346 | 16.1570 | 0.0310 | | 0.1481 | 0.1481 | | 0.1481 | 0.1481 | | 2,897.5468 | 2,897.5468 | 0.1162 | | 2,900.4529 |
| **Total** | **1.3091** | **7.9346** | **16.1570** | **0.0310** | | **0.1481** | **0.1481** | | **0.1481** | **0.1481** | | **2,897.5468** | **2,897.5468** | **0.1162** | | **2,900.4529** |

### 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 |
| Vendor | 1.4037 | 59.4947 | 10.4460 | 0.2255 | 5.8187 | 0.0568 | 5.8755 | 1.6752 | 0.0543 | 1.7295 | | 23,846.6285 | 23,846.6285 | 1.1374 | | 23,875.0636 |
| Worker | 4.2979 | 1.8723 | 31.6264 | 0.1265 | 18.0643 | 0.0701 | 18.1344 | 4.7915 | 0.0645 | 4.8560 | | 12,626.8419 | 12,626.8419 | 0.1789 | | 12,631.3141 |
| **Total** | **5.7016** | **61.3670** | **42.0724** | **0.3520** | **23.8830** | **0.1269** | **24.0098** | **6.4667** | **0.1187** | **6.5854** | | **36,473.4705** | **36,473.4705** | **1.3163** | | **36,506.3777** |

**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 | 1.3091 | 7.9346 | 16.1570 | 0.0310 | | 0.1481 | 0.1481 | | 0.1481 | 0.1481 | 0.0000 | 2,897.5468 | 2,897.5468 | 0.1162 | | 2,900.4529 |
| **Total** | **1.3091** | **7.9346** | **16.1570** | **0.0310** | | **0.1481** | **0.1481** | | **0.1481** | **0.1481** | **0.0000** | **2,897.5468** | **2,897.5468** | **0.1162** | | **2,900.4529** |

**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 |
| Vendor | 1.4037 | 59.4947 | 10.4460 | 0.2255 | 5.8187 | 0.0568 | 5.8755 | 1.6752 | 0.0543 | 1.7295 | | 23,846.6285 | 23,846.6285 | 1.1374 | | 23,875.0636 |
| Worker | 4.2979 | 1.8723 | 31.6264 | 0.1265 | 18.0643 | 0.0701 | 18.1344 | 4.7915 | 0.0645 | 4.8560 | | 12,626.8419 | 12,626.8419 | 0.1789 | | 12,631.3141 |
| **Total** | **5.7016** | **61.3670** | **42.0724** | **0.3520** | **23.8830** | **0.1269** | **24.0098** | **6.4667** | **0.1187** | **6.5854** | | **36,473.4705** | **36,473.4705** | **1.3163** | | **36,506.3777** |

## 3.4 Building Construction - 2033

**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 | 1.3091 | 7.9346 | 16.1570 | 0.0310 | | 0.1481 | 0.1481 | | 0.1481 | 0.1481 | | 2,897.5468 | 2,897.5468 | 0.1162 | | 2,900.4529 |
| **Total** | **1.3091** | **7.9346** | **16.1570** | **0.0310** | | **0.1481** | **0.1481** | | **0.1481** | **0.1481** | | **2,897.5468** | **2,897.5468** | **0.1162** | | **2,900.4529** |

## 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 |
| Vendor | 1.3975 | 59.3020 | 10.3887 | 0.2253 | 5.8187 | 0.0564 | 5.8750 | 1.6752 | 0.0539 | 1.7291 | | 23,828.3815 | 23,828.3815 | 1.1299 | | 23,856.6292 |
| Worker | 3.9678 | 1.7211 | 29.8505 | 0.1243 | 18.0643 | 0.0654 | 18.1297 | 4.7915 | 0.0602 | 4.8517 | | 12,403.6683 | 12,403.6683 | 0.1640 | | 12,407.7689 |
| **Total** | **5.3654** | **61.0231** | **40.2391** | **0.3495** | **23.8829** | **0.1218** | **24.0047** | **6.4667** | **0.1141** | **6.5808** | | **36,232.0499** | **36,232.0499** | **1.2939** | | **36,264.3981** |

## 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 | 1.3091 | 7.9346 | 16.1570 | 0.0310 | | 0.1481 | 0.1481 | | 0.1481 | 0.1481 | 0.0000 | 2,897.5468 | 2,897.5468 | 0.1162 | | 2,900.4529 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **1.3091** | **7.9346** | **16.1570** | **0.0310** | | **0.1481** | **0.1481** | | **0.1481** | **0.1481** | **0.0000** | **2,897.5468** | **2,897.5468** | **0.1162** | | **2,900.4529** |

**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 |
| Vendor | 1.3975 | 59.3020 | 10.3887 | 0.2253 | 5.8187 | 0.0564 | 5.8750 | 1.6752 | 0.0539 | 1.7291 | | 23,828.3815 | 23,828.3815 | 1.1299 | | 23,856.6292 |
| Worker | 3.9678 | 1.7211 | 29.8505 | 0.1243 | 18.0643 | 0.0654 | 18.1297 | 4.7915 | 0.0602 | 4.8517 | | 12,403.6683 | 12,403.6683 | 0.1640 | | 12,407.7689 |
| **Total** | **5.3654** | **61.0231** | **40.2391** | **0.3495** | **23.8829** | **0.1218** | **24.0047** | **6.4667** | **0.1141** | **6.5808** | | **36,232.0499** | **36,232.0499** | **1.2939** | | **36,264.3981** |

## 3.5 Paving - 2033

**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 | 1.3845 | 7.1202 | 15.8495 | 0.0281 | | 0.3306 | 0.3306 | | 0.3306 | 0.3306 | | 2,656.5168 | 2,656.5168 | 0.1245 | | 2,659.6302 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **1.3845** | **7.1202** | **15.8495** | **0.0281** | | **0.3306** | **0.3306** | | **0.3306** | **0.3306** | | **2,656.5168** | **2,656.5168** | **0.1245** | | **2,659.6302** |

**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 |
| 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 |
| Worker | 0.0271 | 0.0117 | 0.2036 | 8.5000e-004 | 0.1232 | 4.5000e-004 | 0.1237 | 0.0327 | 4.1000e-004 | 0.0331 | | 84.6089 | 84.6089 | 1.1200e-003 | | 84.6369 |
| **Total** | **0.0271** | **0.0117** | **0.2036** | **8.5000e-004** | **0.1232** | **4.5000e-004** | **0.1237** | **0.0327** | **4.1000e-004** | **0.0331** | | **84.6089** | **84.6089** | **1.1200e-003** | | **84.6369** |

## 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 | 1.3845 | 7.1202 | 15.8495 | 0.0281 | | 0.3306 | 0.3306 | | 0.3306 | 0.3306 | 0.0000 | 2,656.5168 | 2,656.5168 | 0.1245 | | 2,659.6302 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **1.3845** | **7.1202** | **15.8495** | **0.0281** | | **0.3306** | **0.3306** | | **0.3306** | **0.3306** | **0.0000** | **2,656.5168** | **2,656.5168** | **0.1245** | | **2,659.6302** |

## 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 |
| 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 |
| Worker | 0.0271 | 0.0117 | 0.2036 | 8.5000e-004 | 0.1232 | 4.5000e-004 | 0.1237 | 0.0327 | 4.1000e-004 | 0.0331 | | 84.6089 | 84.6089 | 1.1200e-003 | | 84.6369 |
| **Total** | **0.0271** | **0.0117** | **0.2036** | **8.5000e-004** | **0.1232** | **4.5000e-004** | **0.1237** | **0.0327** | **4.1000e-004** | **0.0331** | | **84.6089** | **84.6089** | **1.1200e-003** | | **84.6369** |

## 3.6 Architectural Coating - 2033

### 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 | 63.9246 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1308 | 0.8563 | 1.7977 | 2.9700e-003 | | 0.0203 | 0.0203 | | 0.0203 | 0.0203 | | 281.4481 | 281.4481 | 0.0114 | | 281.7328 |
| **Total** | **64.0553** | **0.8563** | **1.7977** | **2.9700e-003** | | **0.0203** | **0.0203** | | **0.0203** | **0.0203** | | **281.4481** | **281.4481** | **0.0114** | | **281.7328** |

### 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 |
| 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 |
| Worker | 0.7939 | 0.3444 | 5.9728 | 0.0249 | 3.6145 | 0.0131 | 3.6276 | 0.9587 | 0.0120 | 0.9708 | | 2,481.8618 | 2,481.8618 | 0.0328 | | 2,482.6823 |
| **Total** | **0.7939** | **0.3444** | **5.9728** | **0.0249** | **3.6145** | **0.0131** | **3.6276** | **0.9587** | **0.0120** | **0.9708** | | **2,481.8618** | **2,481.8618** | **0.0328** | | **2,482.6823** |

**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 | 63.9246 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1308 | 0.8563 | 1.7977 | 2.9700e-003 | | 0.0203 | 0.0203 | | 0.0203 | 0.0203 | 0.0000 | 281.4481 | 281.4481 | 0.0114 | | 281.7328 |
| **Total** | **64.0553** | **0.8563** | **1.7977** | **2.9700e-003** | | **0.0203** | **0.0203** | | **0.0203** | **0.0203** | **0.0000** | **281.4481** | **281.4481** | **0.0114** | | **281.7328** |

**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 |
| 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 |
| Worker | 0.7939 | 0.3444 | 5.9728 | 0.0249 | 3.6145 | 0.0131 | 3.6276 | 0.9587 | 0.0120 | 0.9708 | | 2,481.8618 | 2,481.8618 | 0.0328 | | 2,482.6823 |
| **Total** | **0.7939** | **0.3444** | **5.9728** | **0.0249** | **3.6145** | **0.0131** | **3.6276** | **0.9587** | **0.0120** | **0.9708** | | **2,481.8618** | **2,481.8618** | **0.0328** | | **2,482.6823** |

## 3.6 Architectural Coating - 2034

**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 | 63.9246 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1308 | 0.8563 | 1.7977 | 2.9700e-003 | | 0.0203 | 0.0203 | | 0.0203 | 0.0203 | | 281.4481 | 281.4481 | 0.0114 | | 281.7328 |
| **Total** | **64.0553** | **0.8563** | **1.7977** | **2.9700e-003** | | **0.0203** | **0.0203** | | **0.0203** | **0.0203** | | **281.4481** | **281.4481** | **0.0114** | | **281.7328** |

## 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 |
| 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 |
| Worker | 0.7373 | 0.3193 | 5.6383 | 0.0245 | 3.6145 | 0.0122 | 3.6267 | 0.9587 | 0.0113 | 0.9700 | | 2,443.0693 | 2,443.0693 | 0.0301 | | 2,443.8207 |
| **Total** | **0.7373** | **0.3193** | **5.6383** | **0.0245** | **3.6145** | **0.0122** | **3.6267** | **0.9587** | **0.0113** | **0.9700** | | **2,443.0693** | **2,443.0693** | **0.0301** | | **2,443.8207** |

## 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 | 63.9246 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road | 0.1308 | 0.8563 | 1.7977 | 2.9700e-003 | | 0.0203 | 0.0203 | | 0.0203 | 0.0203 | 0.0000 | 281.4481 | 281.4481 | 0.0114 | | 281.7328 |
| **Total** | **64.0553** | **0.8563** | **1.7977** | **2.9700e-003** | | **0.0203** | **0.0203** | | **0.0203** | **0.0203** | **0.0000** | **281.4481** | **281.4481** | **0.0114** | | **281.7328** |

**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 |
| 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 |
| Worker | 0.7373 | 0.3193 | 5.6383 | 0.0245 | 3.6145 | 0.0122 | 3.6267 | 0.9587 | 0.0113 | 0.9700 | | 2,443.0693 | 2,443.0693 | 0.0301 | | 2,443.8207 |
| **Total** | **0.7373** | **0.3193** | **5.6383** | **0.0245** | **3.6145** | **0.0122** | **3.6267** | **0.9587** | **0.0113** | **0.9700** | | **2,443.0693** | **2,443.0693** | **0.0301** | | **2,443.8207** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Fast Food Restaurant w/o Drive Thru | 0.00 | 0.00 | 0.00 | | |
| General Heavy Industry | 0.00 | 0.00 | 0.00 | | |
| General Light Industry | 0.00 | 0.00 | 0.00 | | |
| High Turnover (Sit Down Restaurant) | 0.00 | 0.00 | 0.00 | | |
| Manufacturing | 0.00 | 0.00 | 0.00 | | |
| Regional Shopping Center | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | 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 |
| Fast Food Restaurant w/o Drive Thru | 9.50 | 7.30 | 7.30 | 1.50 | 79.50 | 19.00 | 51 | 37 | 12 |
| General Heavy Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| High Turnover (Sit Down Restaurant) | 9.50 | 7.30 | 7.30 | 8.50 | 72.50 | 19.00 | 37 | 20 | 43 |
| Manufacturing | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |
| Unrefrigerated Warehouse-No Rail | 9.50 | 7.30 | 7.30 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fast Food Restaurant w/o Drive Thru | 0.570872 | 0.033060 | 0.185207 | 0.100996 | 0.009580 | 0.004113 | 0.018871 | 0.068007 | 0.001377 | 0.001299 | 0.005311 | 0.000756 | 0.000551 |
| General Heavy Industry | 0.570872 | 0.033060 | 0.185207 | 0.100996 | 0.009580 | 0.004113 | 0.018871 | 0.068007 | 0.001377 | 0.001299 | 0.005311 | 0.000756 | 0.000551 |
| General Light Industry | 0.570872 | 0.033060 | 0.185207 | 0.100996 | 0.009580 | 0.004113 | 0.018871 | 0.068007 | 0.001377 | 0.001299 | 0.005311 | 0.000756 | 0.000551 |
| High Turnover (Sit Down Restaurant) | 0.570872 | 0.033060 | 0.185207 | 0.100996 | 0.009580 | 0.004113 | 0.018871 | 0.068007 | 0.001377 | 0.001299 | 0.005311 | 0.000756 | 0.000551 |
| Manufacturing | 0.570872 | 0.033060 | 0.185207 | 0.100996 | 0.009580 | 0.004113 | 0.018871 | 0.068007 | 0.001377 | 0.001299 | 0.005311 | 0.000756 | 0.000551 |
| Regional Shopping Center | 0.570872 | 0.033060 | 0.185207 | 0.100996 | 0.009580 | 0.004113 | 0.018871 | 0.068007 | 0.001377 | 0.001299 | 0.005311 | 0.000756 | 0.000551 |
| Unrefrigerated Warehouse-No Rail | 0.570872 | 0.033060 | 0.185207 | 0.100996 | 0.009580 | 0.004113 | 0.018871 | 0.068007 | 0.001377 | 0.001299 | 0.005311 | 0.000756 | 0.000551 |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

### 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 | | | | | |
| Fast Food Restaurant w/o Drive Thru | 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 |
| General Heavy Industry | 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 |
| General Light Industry | 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 |
| High Turnover (Sit Down Restaurant) | 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 |
| Manufacturing | 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 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Regional Shopping Center | 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 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | | | | | |
| Fast Food Restaurant w/o Drive Thru | 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 |
| General Heavy Industry | 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 |
| General Light Industry | 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 |
| High Turnover (Sit Down Restaurant) | 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 |
| Manufacturing | 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 |
| Regional Shopping Center | 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 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

# 6.0 Area Detail

## 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 | 112.2029 | 4.7800e-003 | 0.5320 | 4.0000e-005 | | 1.8900e-003 | 1.8900e-003 | | 1.8900e-003 | 1.8900e-003 | | 1.1470 | 1.1470 | 2.9500e-003 | | 1.2209 |
| Unmitigated | 112.2029 | 4.7800e-003 | 0.5320 | 4.0000e-005 | | 1.8900e-003 | 1.8900e-003 | | 1.8900e-003 | 1.8900e-003 | | 1.1470 | 1.1470 | 2.9500e-003 | | 1.2209 |

## 6.2 Area by SubCategory

### Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 112.1542 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0487 | 4.7800e-003 | 0.5320 | 4.0000e-005 | | 1.8900e-003 | 1.8900e-003 | | 1.8900e-003 | 1.8900e-003 | | 1.1470 | 1.1470 | 2.9500e-003 | | 1.2209 |
| **Total** | **112.2029** | **4.7800e-003** | **0.5320** | **4.0000e-005** | | **1.8900e-003** | **1.8900e-003** | | **1.8900e-003** | **1.8900e-003** | | **1.1470** | **1.1470** | **2.9500e-003** | | **1.2209** |

### Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 112.1542 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Landscaping | 0.0487 | 4.7800e-003 | 0.5320 | 4.0000e-005 | | 1.8900e-003 | 1.8900e-003 | | 1.8900e-003 | 1.8900e-003 | | 1.1470 | 1.1470 | 2.9500e-003 | | 1.2209 |
| **Total** | **112.2029** | **4.7800e-003** | **0.5320** | **4.0000e-005** | | **1.8900e-003** | **1.8900e-003** | | **1.8900e-003** | **1.8900e-003** | | **1.1470** | **1.1470** | **2.9500e-003** | | **1.2209** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

## 11.0 Vegetation

SCLA Specific Plan - Phase Two - Construction Only - San Bernardino-Mojave Desert County, Winter

# SCLA Specific Plan - Phase Two - Construction Only

**San Bernardino-Mojave Desert County, Winter**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Heavy Industry | 962.50 | 1000sqft | 208.94 | 962,500.00 | 0 |
| General Light Industry | 755.87 | 1000sqft | 164.08 | 755,870.00 | 0 |
| Manufacturing | 870.92 | 1000sqft | 189.06 | 870,920.00 | 0 |
| Unrefrigerated Warehouse-No Rail | 2,612.76 | 1000sqft | 567.17 | 2,612,760.00 | 0 |
| Fast Food Restaurant w/o Drive Thru | 3.80 | 1000sqft | 0.82 | 3,800.00 | 0 |
| High Turnover (Sit Down Restaurant) | 12.00 | 1000sqft | 2.60 | 12,000.00 | 0 |
| Regional Shopping Center | 23.00 | 1000sqft | 4.99 | 23,000.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.6 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 10 | | | **Operational Year** | 2035 |
| **Utility Company** | Statewide Average | | | | |
| **CO2 Intensity (lb/MWhr)** | 1001.57 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction run only.

Land Use - Phase two building development, total lot acreage is from the Specific Plan (1137.66).

Construction Phase - anticipated Construction Schedule over 5 years.

Grading - Cut and Fill is balanced.

Architectural Coating - MDAQMD Rule 1113. 50g/L VOC content

Vehicle Trips - Construction only - no operational emissions.

Woodstoves - Construction Only - No Operational Emissions.

Consumer Products - Construction only - no operational emissions.

Area Coating - Construction Only - No Operational Emissions.

Landscape Equipment - Construction Only - No Operational Emissions.

Energy Use - Construction Only - No Operational Emissions.

Water And Wastewater - Construction Only - No Operational Emissions.

Solid Waste - Construction Only - No Operational Emissions.

Construction Off-road Equipment Mitigation - MDAQMD Rule 403.2

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblAreaCoating | Area_Nonresidential_Exterior | 2620425 | 0 |
| tblAreaCoating | Area_Nonresidential_Interior | 7861275 | 0 |
| tblAreaCoating | ReapplicationRatePercent | 10 | 0 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 15 |
| tblConstructionPhase | NumDays | 11,000.00 | 380.00 |
| tblConstructionPhase | NumDays | 155,000.00 | 425.00 |
| tblConstructionPhase | NumDays | 15,500.00 | 270.00 |
| tblConstructionPhase | NumDays | 11,000.00 | 120.00 |
| tblConstructionPhase | NumDays | 6,000.00 | 160.00 |
| tblEnergyUse | LightingElect | 6.62 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 6.62 | 0.00 |

| | | | |
|---|---|---|---|
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 5.61 | 0.00 |
| tblEnergyUse | LightingElect | 1.17 | 0.00 |
| tblEnergyUse | NT24E | 28.48 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 28.48 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 2.44 | 0.00 |
| tblEnergyUse | NT24E | 0.82 | 0.00 |
| tblEnergyUse | NT24NG | 195.77 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 195.77 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 0.30 | 0.00 |
| tblEnergyUse | NT24NG | 0.03 | 0.00 |
| tblEnergyUse | T24E | 12.38 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 12.38 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 4.58 | 0.00 |
| tblEnergyUse | T24E | 0.37 | 0.00 |
| tblEnergyUse | T24NG | 77.67 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 77.67 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 1.92 | 0.00 |

| | | | |
|---|---|---|---|
| tblEnergyUse | T24NG | 2.00 | 0.00 |
| tblGrading | AcresOfGrading | 675.00 | 775.00 |
| tblGrading | MaterialExported | 0.00 | 1,136,250.00 |
| tblGrading | MaterialImported | 0.00 | 1,136,250.00 |
| tblLandUse | LotAcreage | 22.10 | 208.94 |
| tblLandUse | LotAcreage | 17.35 | 164.08 |
| tblLandUse | LotAcreage | 19.99 | 189.06 |
| tblLandUse | LotAcreage | 59.98 | 567.17 |
| tblLandUse | LotAcreage | 0.09 | 0.82 |
| tblLandUse | LotAcreage | 0.28 | 2.60 |
| tblLandUse | LotAcreage | 0.53 | 4.99 |
| tblSolidWaste | SolidWasteGenerationRate | 43.77 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 1,193.50 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 937.28 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 142.80 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 1,079.94 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 24.15 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 2,455.99 | 0.00 |
| tblVehicleTrips | ST_TR | 696.00 | 0.00 |
| tblVehicleTrips | ST_TR | 1.50 | 0.00 |
| tblVehicleTrips | ST_TR | 1.32 | 0.00 |
| tblVehicleTrips | ST_TR | 158.37 | 0.00 |
| tblVehicleTrips | ST_TR | 1.49 | 0.00 |
| tblVehicleTrips | ST_TR | 49.97 | 0.00 |
| tblVehicleTrips | ST_TR | 1.68 | 0.00 |
| tblVehicleTrips | SU_TR | 500.00 | 0.00 |
| tblVehicleTrips | SU_TR | 1.50 | 0.00 |
| tblVehicleTrips | SU_TR | 0.68 | 0.00 |
| tblVehicleTrips | SU_TR | 131.84 | 0.00 |
| tblVehicleTrips | SU_TR | 0.62 | 0.00 |

| | | | |
|---|---|---|---|
| tblVehicleTrips | SU_TR | 25.24 | 0.00 |
| tblVehicleTrips | SU_TR | 1.68 | 0.00 |
| tblVehicleTrips | WD_TR | 716.00 | 0.00 |
| tblVehicleTrips | WD_TR | 1.50 | 0.00 |
| tblVehicleTrips | WD_TR | 6.97 | 0.00 |
| tblVehicleTrips | WD_TR | 127.15 | 0.00 |
| tblVehicleTrips | WD_TR | 3.82 | 0.00 |
| tblVehicleTrips | WD_TR | 42.70 | 0.00 |
| tblVehicleTrips | WD_TR | 1.68 | 0.00 |
| tblWater | IndoorWaterUseRate | 1,153,428.11 | 0.00 |
| tblWater | IndoorWaterUseRate | 222,578,125.00 | 0.00 |
| tblWater | IndoorWaterUseRate | 174,794,937.50 | 0.00 |
| tblWater | IndoorWaterUseRate | 3,642,404.55 | 0.00 |
| tblWater | IndoorWaterUseRate | 201,400,250.00 | 0.00 |
| tblWater | IndoorWaterUseRate | 1,703,667.99 | 0.00 |
| tblWater | IndoorWaterUseRate | 604,200,750.00 | 0.00 |
| tblWater | OutdoorWaterUseRate | 73,623.07 | 0.00 |
| tblWater | OutdoorWaterUseRate | 232,493.91 | 0.00 |
| tblWater | OutdoorWaterUseRate | 1,044,183.61 | 0.00 |

## 2.0 Emissions Summary

### 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 | | | | | |
| 2030 | 6.6154 | 122.5099 | 51.1589 | 0.6544 | 42.2015 | 0.6808 | 42.8823 | 12.1932 | 0.6724 | 12.8656 | 0.0000 | 69,498.7191 | 69,498.7191 | 3.4970 | 0.0000 | 69,586.1432 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2031 | 7.4728 | 122.4645 | 55.8695 | 0.6541 | 30.3666 | 0.6795 | 31.0461 | 9.2882 | 0.6712 | 9.9594 | 0.0000 | 69,473.1087 | 69,473.1087 | 3.4811 | 0.0000 | 69,560.1361 |
| 2032 | 7.0885 | 68.6064 | 54.0420 | 0.3619 | 23.8830 | 0.2760 | 24.1590 | 6.4667 | 0.2678 | 6.7345 | 0.0000 | 37,222.3837 | 37,222.3837 | 1.5299 | 0.0000 | 37,260.6321 |
| 2033 | 66.2601 | 68.2480 | 52.4773 | 0.3597 | 23.8829 | 0.3645 | 24.1538 | 6.4667 | 0.3634 | 6.7298 | 0.0000 | 37,001.7665 | 37,001.7665 | 1.5081 | 0.0000 | 37,039.4697 |
| 2034 | 64.7939 | 1.1892 | 6.3713 | 0.0249 | 3.6145 | 0.0325 | 3.6470 | 0.9587 | 0.0316 | 0.9903 | 0.0000 | 2,473.0558 | 2,473.0558 | 0.0378 | 0.0000 | 2,474.0005 |
| **Maximum** | **66.2601** | **122.5099** | **55.8695** | **0.6544** | **42.2015** | **0.6808** | **42.8823** | **12.1932** | **0.6724** | **12.8656** | **0.0000** | **69,498.7191** | **69,498.7191** | **3.4970** | **0.0000** | **69,586.1432** |

## 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 | | | | | |
| 2030 | 6.6154 | 122.5099 | 51.1589 | 0.6544 | 36.6712 | 0.6808 | 37.3520 | 9.9734 | 0.6724 | 10.6459 | 0.0000 | 69,498.7191 | 69,498.7191 | 3.4970 | 0.0000 | 69,586.1432 |
| 2031 | 7.4728 | 122.4645 | 55.8695 | 0.6541 | 24.8363 | 0.6795 | 25.5158 | 7.0685 | 0.6712 | 7.7397 | 0.0000 | 69,473.1087 | 69,473.1087 | 3.4811 | 0.0000 | 69,560.1361 |
| 2032 | 7.0885 | 68.6064 | 54.0420 | 0.3619 | 23.8830 | 0.2760 | 24.1590 | 6.4667 | 0.2678 | 6.7345 | 0.0000 | 37,222.3837 | 37,222.3837 | 1.5299 | 0.0000 | 37,260.6321 |
| 2033 | 66.2601 | 68.2480 | 52.4773 | 0.3597 | 23.8829 | 0.3645 | 24.1538 | 6.4667 | 0.3634 | 6.7298 | 0.0000 | 37,001.7665 | 37,001.7665 | 1.5081 | 0.0000 | 37,039.4697 |
| 2034 | 64.7939 | 1.1892 | 6.3713 | 0.0249 | 3.6145 | 0.0325 | 3.6470 | 0.9587 | 0.0316 | 0.9903 | 0.0000 | 2,473.0558 | 2,473.0558 | 0.0378 | 0.0000 | 2,474.0005 |
| **Maximum** | **66.2601** | **122.5099** | **55.8695** | **0.6544** | **36.6712** | **0.6808** | **37.3520** | **9.9734** | **0.6724** | **10.6459** | **0.0000** | **69,498.7191** | **69,498.7191** | **3.4970** | **0.0000** | **69,586.1432** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **8.92** | **0.00** | **8.79** | **12.55** | **0.00** | **11.91** | **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 | 112.2029 | 4.7800e-003 | 0.5320 | 4.0000e-005 | | 1.8900e-003 | 1.8900e-003 | | 1.8900e-003 | 1.8900e-003 | | 1.1470 | 1.1470 | 2.9500e-003 | | 1.2209 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 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** | **112.2029** | **4.7800e-003** | **0.5320** | **4.0000e-005** | **0.0000** | **1.8900e-003** | **1.8900e-003** | **0.0000** | **1.8900e-003** | **1.8900e-003** | | **1.1470** | **1.1470** | **2.9500e-003** | **0.0000** | **1.2209** |

**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 | 112.2029 | 4.7800e-003 | 0.5320 | 4.0000e-005 | | 1.8900e-003 | 1.8900e-003 | | 1.8900e-003 | 1.8900e-003 | | 1.1470 | 1.1470 | 2.9500e-003 | | 1.2209 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 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** | **112.2029** | **4.7800e-003** | **0.5320** | **4.0000e-005** | **0.0000** | **1.8900e-003** | **1.8900e-003** | **0.0000** | **1.8900e-003** | **1.8900e-003** | | **1.1470** | **1.1470** | **2.9500e-003** | **0.0000** | **1.2209** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | 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 | Site Preparation | Site Preparation | 1/1/2030 | 8/12/2030 | 5 | 160 | |
| 2 | Grading | Grading | 8/13/2030 | 8/25/2031 | 5 | 270 | |
| 3 | Building Construction | Building Construction | 8/26/2031 | 4/11/2033 | 5 | 425 | |
| 4 | Paving | Paving | 4/12/2033 | 9/26/2033 | 5 | 120 | |
| 5 | Architectural Coating | Architectural Coating | 7/15/2033 | 12/28/2034 | 5 | 380 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 775**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 7,861,275; Non-Residential Outdoor: 2,620,425; Striped Parking**

**OffRoad Equipment**

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| 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 |
| 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 |
| 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 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 8 | 20.00 | 0.00 | 224,693.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 2,199.00 | 859.00 | 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 |
| Architectural Coating | 1 | 440.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

## 3.2 Site Preparation - 2030

**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 | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.4399 | 13.6680 | 16.2918 | 0.0466 | | 0.4367 | 0.4367 | | 0.4367 | 0.4367 | | 4,409.7537 | 4,409.7537 | 0.2176 | | 4,415.1936 |
| **Total** | **2.4399** | **13.6680** | **16.2918** | **0.0466** | **18.0663** | **0.4367** | **18.5029** | **9.9307** | **0.4367** | **10.3673** | | **4,409.7537** | **4,409.7537** | **0.2176** | | **4,415.1936** |

**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 |
| 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 |
| Worker | 0.0416 | 0.0193 | 0.2403 | 9.7000e-004 | 0.1479 | 6.6000e-004 | 0.1485 | 0.0392 | 6.1000e-004 | 0.0398 | | 96.6641 | 96.6641 | 1.5500e-003 | | 96.7030 |
| **Total** | **0.0416** | **0.0193** | **0.2403** | **9.7000e-004** | **0.1479** | **6.6000e-004** | **0.1485** | **0.0392** | **6.1000e-004** | **0.0398** | | **96.6641** | **96.6641** | **1.5500e-003** | | **96.7030** |

## 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 | | | | | 7.0458 | 0.0000 | 7.0458 | 3.8730 | 0.0000 | 3.8730 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.4399 | 13.6680 | 16.2918 | 0.0466 | | 0.4367 | 0.4367 | | 0.4367 | 0.4367 | 0.0000 | 4,409.7537 | 4,409.7537 | 0.2176 | | 4,415.1936 |
| **Total** | **2.4399** | **13.6680** | **16.2918** | **0.0466** | **7.0458** | **0.4367** | **7.4825** | **3.8730** | **0.4367** | **4.3096** | **0.0000** | **4,409.7537** | **4,409.7537** | **0.2176** | | **4,415.1936** |

## 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 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Worker | 0.0416 | 0.0193 | 0.2403 | 9.7000e-004 | 0.1479 | 6.6000e-004 | 0.1485 | 0.0392 | 6.1000e-004 | 0.0398 | | 96.6641 | 96.6641 | 1.5500e-003 | | 96.7030 |
| **Total** | **0.0416** | **0.0193** | **0.2403** | **9.7000e-004** | **0.1479** | **6.6000e-004** | **0.1485** | **0.0392** | **6.1000e-004** | **0.0398** | | **96.6641** | **96.6641** | **1.5500e-003** | | **96.7030** |

## 3.3 Grading - 2030

### 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 | | | | | 9.0661 | 0.0000 | 9.0661 | 3.6389 | 0.0000 | 3.6389 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.2807 | 13.8462 | 23.0239 | 0.0699 | | 0.4879 | 0.4879 | | 0.4879 | 0.4879 | | 7,213.1086 | 7,213.1086 | 0.2915 | | 7,220.3963 |
| **Total** | **3.2807** | **13.8462** | **23.0239** | **0.0699** | **9.0661** | **0.4879** | **9.5540** | **3.6389** | **0.4879** | **4.1268** | | **7,213.1086** | **7,213.1086** | **0.2915** | | **7,220.3963** |

### 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 | 3.2885 | 108.6423 | 27.8681 | 0.5834 | 32.9711 | 0.1921 | 33.1632 | 8.5107 | 0.1838 | 8.6945 | | 62,178.2060 | 62,178.2060 | 3.2037 | | 62,258.2992 |
| 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 |
| Worker | 0.0463 | 0.0215 | 0.2670 | 1.0800e-003 | 0.1643 | 7.3000e-004 | 0.1650 | 0.0436 | 6.7000e-004 | 0.0443 | | 107.4045 | 107.4045 | 1.7300e-003 | | 107.4477 |
| **Total** | **3.3347** | **108.6638** | **28.1350** | **0.5845** | **33.1354** | **0.1929** | **33.3282** | **8.5543** | **0.1845** | **8.7388** | | **62,285.6105** | **62,285.6105** | **3.2055** | | **62,365.7469** |

## 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 | | | | | 3.5358 | 0.0000 | 3.5358 | 1.4192 | 0.0000 | 1.4192 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.2807 | 13.8462 | 23.0239 | 0.0699 | | 0.4879 | 0.4879 | | 0.4879 | 0.4879 | 0.0000 | 7,213.1086 | 7,213.1086 | 0.2915 | | 7,220.3963 |
| **Total** | **3.2807** | **13.8462** | **23.0239** | **0.0699** | **3.5358** | **0.4879** | **4.0237** | **1.4192** | **0.4879** | **1.9071** | **0.0000** | **7,213.1086** | **7,213.1086** | **0.2915** | | **7,220.3963** |

## 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 | 3.2885 | 108.6423 | 27.8681 | 0.5834 | 32.9711 | 0.1921 | 33.1632 | 8.5107 | 0.1838 | 8.6945 | | 62,178.2060 | 62,178.2060 | 3.2037 | | 62,258.2992 |
| 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 |
| Worker | 0.0463 | 0.0215 | 0.2670 | 1.0800e-003 | 0.1643 | 7.3000e-004 | 0.1650 | 0.0436 | 6.7000e-004 | 0.0443 | | 107.4045 | 107.4045 | 1.7300e-003 | | 107.4477 |
| **Total** | **3.3347** | **108.6638** | **28.1350** | **0.5845** | **33.1354** | **0.1929** | **33.3282** | **8.5543** | **0.1845** | **8.7388** | | **62,285.6105** | **62,285.6105** | **3.2055** | | **62,365.7469** |

## 3.3 Grading - 2031

### 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 | | | | | 9.0661 | 0.0000 | 9.0661 | 3.6389 | 0.0000 | 3.6389 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.2807 | 13.8462 | 23.0239 | 0.0699 | | 0.4879 | 0.4879 | | 0.4879 | 0.4879 | | 7,213.1086 | 7,213.1086 | 0.2915 | | 7,220.3963 |
| **Total** | **3.2807** | **13.8462** | **23.0239** | **0.0699** | **9.0661** | **0.4879** | **9.5540** | **3.6389** | **0.4879** | **4.1268** | | **7,213.1086** | **7,213.1086** | **0.2915** | | **7,220.3963** |

## 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 | 3.3138 | 108.5989 | 28.1416 | 0.5831 | 21.1362 | 0.1909 | 21.3271 | 5.6057 | 0.1826 | 5.7884 | | 62,154.8468 | 62,154.8468 | 3.1880 | | 62,234.5470 |
| 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 |
| Worker | 0.0424 | 0.0195 | 0.2504 | 1.0500e-003 | 0.1643 | 6.8000e-004 | 0.1650 | 0.0436 | 6.3000e-004 | 0.0442 | | 105.1534 | 105.1534 | 1.5800e-003 | | 105.1928 |
| **Total** | **3.3562** | **108.6183** | **28.3919** | **0.5841** | **21.3005** | **0.1916** | **21.4920** | **5.6493** | **0.1833** | **5.8326** | | **62,260.0002** | **62,260.0002** | **3.1896** | | **62,339.7398** |

## 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 | | | | | 3.5358 | 0.0000 | 3.5358 | 1.4192 | 0.0000 | 1.4192 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.2807 | 13.8462 | 23.0239 | 0.0699 | | 0.4879 | 0.4879 | | 0.4879 | 0.4879 | 0.0000 | 7,213.1086 | 7,213.1086 | 0.2915 | | 7,220.3963 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **3.2807** | **13.8462** | **23.0239** | **0.0699** | **3.5358** | **0.4879** | **4.0237** | **1.4192** | **0.4879** | **1.9071** | **0.0000** | **7,213.1086** | **7,213.1086** | **0.2915** | | **7,220.3963** |

**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 | 3.3138 | 108.5989 | 28.1416 | 0.5831 | 21.1362 | 0.1909 | 21.3271 | 5.6057 | 0.1826 | 5.7884 | | 62,154.8468 | 62,154.8468 | 3.1880 | | 62,234.5470 |
| 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 |
| Worker | 0.0424 | 0.0195 | 0.2504 | 1.0500e-003 | 0.1643 | 6.8000e-004 | 0.1650 | 0.0436 | 6.3000e-004 | 0.0442 | | 105.1534 | 105.1534 | 1.5800e-003 | | 105.1928 |
| **Total** | **3.3562** | **108.6183** | **28.3919** | **0.5841** | **21.3005** | **0.1916** | **21.4920** | **5.6493** | **0.1833** | **5.8326** | | **62,260.0002** | **62,260.0002** | **3.1896** | | **62,339.7398** |

## 3.4 Building Construction - 2031

**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 | 1.3091 | 7.9346 | 16.1570 | 0.0310 | | 0.1481 | 0.1481 | | 0.1481 | 0.1481 | | 2,897.5468 | 2,897.5468 | 0.1162 | | 2,900.4529 |
| **Total** | **1.3091** | **7.9346** | **16.1570** | **0.0310** | | **0.1481** | **0.1481** | | **0.1481** | **0.1481** | | **2,897.5468** | **2,897.5468** | **0.1162** | | **2,900.4529** |

**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 |
| Vendor | 1.4990 | 58.9398 | 12.1864 | 0.2177 | 5.8187 | 0.0582 | 5.8770 | 1.6752 | 0.0557 | 1.7309 | | 23,024.4202 | 23,024.4202 | 1.2648 | | 23,056.0407 |
| Worker | 4.6647 | 2.1421 | 27.5261 | 0.1158 | 18.0643 | 0.0753 | 18.1396 | 4.7915 | 0.0692 | 4.8607 | | 11,561.6123 | 11,561.6123 | 0.1732 | | 11,565.9428 |
| **Total** | **6.1637** | **61.0819** | **39.7125** | **0.3336** | **23.8830** | **0.1335** | **24.0165** | **6.4667** | **0.1249** | **6.5916** | | **34,586.0324** | **34,586.0324** | **1.4380** | | **34,621.9834** |

## 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 | 1.3091 | 7.9346 | 16.1570 | 0.0310 | | 0.1481 | 0.1481 | | 0.1481 | 0.1481 | 0.0000 | 2,897.5468 | 2,897.5468 | 0.1162 | | 2,900.4529 |
| **Total** | **1.3091** | **7.9346** | **16.1570** | **0.0310** | | **0.1481** | **0.1481** | | **0.1481** | **0.1481** | **0.0000** | **2,897.5468** | **2,897.5468** | **0.1162** | | **2,900.4529** |

## 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 |
| Vendor | 1.4990 | 58.9398 | 12.1864 | 0.2177 | 5.8187 | 0.0582 | 5.8770 | 1.6752 | 0.0557 | 1.7309 | | 23,024.4202 | 23,024.4202 | 1.2648 | | 23,056.0407 |
| Worker | 4.6647 | 2.1421 | 27.5261 | 0.1158 | 18.0643 | 0.0753 | 18.1396 | 4.7915 | 0.0692 | 4.8607 | | 11,561.6123 | 11,561.6123 | 0.1732 | | 11,565.9428 |
| **Total** | **6.1637** | **61.0819** | **39.7125** | **0.3336** | **23.8830** | **0.1335** | **24.0165** | **6.4667** | **0.1249** | **6.5916** | | **34,586.0324** | **34,586.0324** | **1.4380** | | **34,621.9834** |

## 3.4 Building Construction - 2032

### 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 | 1.3091 | 7.9346 | 16.1570 | 0.0310 | | 0.1481 | 0.1481 | | 0.1481 | 0.1481 | | 2,897.5468 | 2,897.5468 | 0.1162 | | 2,900.4529 |
| **Total** | **1.3091** | **7.9346** | **16.1570** | **0.0310** | | **0.1481** | **0.1481** | | **0.1481** | **0.1481** | | **2,897.5468** | **2,897.5468** | **0.1162** | | **2,900.4529** |

### 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 |
| Vendor | 1.4895 | 58.7166 | 12.1053 | 0.2174 | 5.8187 | 0.0578 | 5.8765 | 1.6752 | 0.0552 | 1.7304 | | 22,995.1352 | 22,995.1352 | 1.2560 | | 23,026.5352 |
| Worker | 4.2899 | 1.9552 | 25.7798 | 0.1135 | 18.0643 | 0.0701 | 18.1344 | 4.7915 | 0.0645 | 4.8560 | | 11,329.7017 | 11,329.7017 | 0.1577 | | 11,333.6440 |
| **Total** | **5.7794** | **60.6718** | **37.8850** | **0.3309** | **23.8830** | **0.1279** | **24.0108** | **6.4667** | **0.1197** | **6.5864** | | **34,324.8369** | **34,324.8369** | **1.4137** | | **34,360.1792** |

**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 | 1.3091 | 7.9346 | 16.1570 | 0.0310 | | 0.1481 | 0.1481 | | 0.1481 | 0.1481 | 0.0000 | 2,897.5468 | 2,897.5468 | 0.1162 | | 2,900.4529 |
| **Total** | **1.3091** | **7.9346** | **16.1570** | **0.0310** | | **0.1481** | **0.1481** | | **0.1481** | **0.1481** | **0.0000** | **2,897.5468** | **2,897.5468** | **0.1162** | | **2,900.4529** |

**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 |
| Vendor | 1.4895 | 58.7166 | 12.1053 | 0.2174 | 5.8187 | 0.0578 | 5.8765 | 1.6752 | 0.0552 | 1.7304 | | 22,995.1352 | 22,995.1352 | 1.2560 | | 23,026.5352 |
| Worker | 4.2899 | 1.9552 | 25.7798 | 0.1135 | 18.0643 | 0.0701 | 18.1344 | 4.7915 | 0.0645 | 4.8560 | | 11,329.7017 | 11,329.7017 | 0.1577 | | 11,333.6440 |
| **Total** | **5.7794** | **60.6718** | **37.8850** | **0.3309** | **23.8830** | **0.1279** | **24.0108** | **6.4667** | **0.1197** | **6.5864** | | **34,324.8369** | **34,324.8369** | **1.4137** | | **34,360.1792** |

## 3.4 Building Construction - 2033

**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 | 1.3091 | 7.9346 | 16.1570 | 0.0310 | | 0.1481 | 0.1481 | | 0.1481 | 0.1481 | | 2,897.5468 | 2,897.5468 | 0.1162 | | 2,900.4529 |
| **Total** | **1.3091** | **7.9346** | **16.1570** | **0.0310** | | **0.1481** | **0.1481** | | **0.1481** | **0.1481** | | **2,897.5468** | **2,897.5468** | **0.1162** | | **2,900.4529** |

## 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 |
| Vendor | 1.4833 | 58.5177 | 12.0478 | 0.2172 | 5.8187 | 0.0573 | 5.8760 | 1.6752 | 0.0548 | 1.7300 | | 22,976.0755 | 22,976.0755 | 1.2475 | | 23,007.2640 |
| Worker | 3.9644 | 1.7957 | 24.2725 | 0.1115 | 18.0643 | 0.0654 | 18.1297 | 4.7915 | 0.0602 | 4.8517 | | 11,128.1443 | 11,128.1443 | 0.1443 | | 11,131.7529 |
| **Total** | **5.4476** | **60.3134** | **36.3204** | **0.3287** | **23.8829** | **0.1228** | **24.0057** | **6.4667** | **0.1150** | **6.5817** | | **34,104.2198** | **34,104.2198** | **1.3919** | | **34,139.0169** |

## 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 | 1.3091 | 7.9346 | 16.1570 | 0.0310 | | 0.1481 | 0.1481 | | 0.1481 | 0.1481 | 0.0000 | 2,897.5468 | 2,897.5468 | 0.1162 | | 2,900.4529 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **1.3091** | **7.9346** | **16.1570** | **0.0310** | | **0.1481** | **0.1481** | | **0.1481** | **0.1481** | **0.0000** | **2,897.5468** | **2,897.5468** | **0.1162** | | **2,900.4529** |

**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 |
| Vendor | 1.4833 | 58.5177 | 12.0478 | 0.2172 | 5.8187 | 0.0573 | 5.8760 | 1.6752 | 0.0548 | 1.7300 | | 22,976.0755 | 22,976.0755 | 1.2475 | | 23,007.2640 |
| Worker | 3.9644 | 1.7957 | 24.2725 | 0.1115 | 18.0643 | 0.0654 | 18.1297 | 4.7915 | 0.0602 | 4.8517 | | 11,128.1443 | 11,128.1443 | 0.1443 | | 11,131.7529 |
| **Total** | **5.4476** | **60.3134** | **36.3204** | **0.3287** | **23.8829** | **0.1228** | **24.0057** | **6.4667** | **0.1150** | **6.5817** | | **34,104.2198** | **34,104.2198** | **1.3919** | | **34,139.0169** |

## 3.5 Paving - 2033

**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 | 1.3845 | 7.1202 | 15.8495 | 0.0281 | | 0.3306 | 0.3306 | | 0.3306 | 0.3306 | | 2,656.5168 | 2,656.5168 | 0.1245 | | 2,659.6302 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **1.3845** | **7.1202** | **15.8495** | **0.0281** | | **0.3306** | **0.3306** | | **0.3306** | **0.3306** | | **2,656.5168** | **2,656.5168** | **0.1245** | | **2,659.6302** |

**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 |
| 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 |
| Worker | 0.0270 | 0.0123 | 0.1656 | 7.6000e-004 | 0.1232 | 4.5000e-004 | 0.1237 | 0.0327 | 4.1000e-004 | 0.0331 | | 75.9082 | 75.9082 | 9.8000e-004 | | 75.9328 |
| **Total** | **0.0270** | **0.0123** | **0.1656** | **7.6000e-004** | **0.1232** | **4.5000e-004** | **0.1237** | **0.0327** | **4.1000e-004** | **0.0331** | | **75.9082** | **75.9082** | **9.8000e-004** | | **75.9328** |

## 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 | 1.3845 | 7.1202 | 15.8495 | 0.0281 | | 0.3306 | 0.3306 | | 0.3306 | 0.3306 | 0.0000 | 2,656.5168 | 2,656.5168 | 0.1245 | | 2,659.6302 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **1.3845** | **7.1202** | **15.8495** | **0.0281** | | **0.3306** | **0.3306** | | **0.3306** | **0.3306** | **0.0000** | **2,656.5168** | **2,656.5168** | **0.1245** | | **2,659.6302** |

## 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 |
| 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 |
| Worker | 0.0270 | 0.0123 | 0.1656 | 7.6000e-004 | 0.1232 | 4.5000e-004 | 0.1237 | 0.0327 | 4.1000e-004 | 0.0331 | | 75.9082 | 75.9082 | 9.8000e-004 | | 75.9328 |
| **Total** | **0.0270** | **0.0123** | **0.1656** | **7.6000e-004** | **0.1232** | **4.5000e-004** | **0.1237** | **0.0327** | **4.1000e-004** | **0.0331** | | **75.9082** | **75.9082** | **9.8000e-004** | | **75.9328** |

## 3.6 Architectural Coating - 2033

### 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 | 63.9246 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1308 | 0.8563 | 1.7977 | 2.9700e-003 | | 0.0203 | 0.0203 | | 0.0203 | 0.0203 | | 281.4481 | 281.4481 | 0.0114 | | 281.7328 |
| **Total** | **64.0553** | **0.8563** | **1.7977** | **2.9700e-003** | | **0.0203** | **0.0203** | | **0.0203** | **0.0203** | | **281.4481** | **281.4481** | **0.0114** | | **281.7328** |

### 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 |
| 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 |
| Worker | 0.7932 | 0.3593 | 4.8567 | 0.0223 | 3.6145 | 0.0131 | 3.6276 | 0.9587 | 0.0120 | 0.9708 | | 2,226.6410 | 2,226.6410 | 0.0289 | | 2,227.3630 |
| **Total** | **0.7932** | **0.3593** | **4.8567** | **0.0223** | **3.6145** | **0.0131** | **3.6276** | **0.9587** | **0.0120** | **0.9708** | | **2,226.6410** | **2,226.6410** | **0.0289** | | **2,227.3630** |

**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 | 63.9246 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1308 | 0.8563 | 1.7977 | 2.9700e-003 | | 0.0203 | 0.0203 | | 0.0203 | 0.0203 | 0.0000 | 281.4481 | 281.4481 | 0.0114 | | 281.7328 |
| **Total** | **64.0553** | **0.8563** | **1.7977** | **2.9700e-003** | | **0.0203** | **0.0203** | | **0.0203** | **0.0203** | **0.0000** | **281.4481** | **281.4481** | **0.0114** | | **281.7328** |

**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 |
| 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 |
| Worker | 0.7932 | 0.3593 | 4.8567 | 0.0223 | 3.6145 | 0.0131 | 3.6276 | 0.9587 | 0.0120 | 0.9708 | | 2,226.6410 | 2,226.6410 | 0.0289 | | 2,227.3630 |
| **Total** | **0.7932** | **0.3593** | **4.8567** | **0.0223** | **3.6145** | **0.0131** | **3.6276** | **0.9587** | **0.0120** | **0.9708** | | **2,226.6410** | **2,226.6410** | **0.0289** | | **2,227.3630** |

## 3.6 Architectural Coating - 2034

**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 | 63.9246 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1308 | 0.8563 | 1.7977 | 2.9700e-003 | | 0.0203 | 0.0203 | | 0.0203 | 0.0203 | | 281.4481 | 281.4481 | 0.0114 | | 281.7328 |
| **Total** | **64.0553** | **0.8563** | **1.7977** | **2.9700e-003** | | **0.0203** | **0.0203** | | **0.0203** | **0.0203** | | **281.4481** | **281.4481** | **0.0114** | | **281.7328** |

## 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 |
| 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 |
| Worker | 0.7386 | 0.3330 | 4.5736 | 0.0220 | 3.6145 | 0.0122 | 3.6267 | 0.9587 | 0.0113 | 0.9700 | | 2,191.6077 | 2,191.6077 | 0.0264 | | 2,192.2677 |
| **Total** | **0.7386** | **0.3330** | **4.5736** | **0.0220** | **3.6145** | **0.0122** | **3.6267** | **0.9587** | **0.0113** | **0.9700** | | **2,191.6077** | **2,191.6077** | **0.0264** | | **2,192.2677** |

## 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 | 63.9246 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road | 0.1308 | 0.8563 | 1.7977 | 2.9700e-003 | | 0.0203 | 0.0203 | | 0.0203 | 0.0203 | 0.0000 | 281.4481 | 281.4481 | 0.0114 | | 281.7328 |
| **Total** | **64.0553** | **0.8563** | **1.7977** | **2.9700e-003** | | **0.0203** | **0.0203** | | **0.0203** | **0.0203** | **0.0000** | **281.4481** | **281.4481** | **0.0114** | | **281.7328** |

**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 |
| 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 |
| Worker | 0.7386 | 0.3330 | 4.5736 | 0.0220 | 3.6145 | 0.0122 | 3.6267 | 0.9587 | 0.0113 | 0.9700 | | 2,191.6077 | 2,191.6077 | 0.0264 | | 2,192.2677 |
| **Total** | **0.7386** | **0.3330** | **4.5736** | **0.0220** | **3.6145** | **0.0122** | **3.6267** | **0.9587** | **0.0113** | **0.9700** | | **2,191.6077** | **2,191.6077** | **0.0264** | | **2,192.2677** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Fast Food Restaurant w/o Drive Thru | 0.00 | 0.00 | 0.00 | | |
| General Heavy Industry | 0.00 | 0.00 | 0.00 | | |
| General Light Industry | 0.00 | 0.00 | 0.00 | | |
| High Turnover (Sit Down Restaurant) | 0.00 | 0.00 | 0.00 | | |
| Manufacturing | 0.00 | 0.00 | 0.00 | | |
| Regional Shopping Center | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | 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 |
| Fast Food Restaurant w/o Drive Thru | 9.50 | 7.30 | 7.30 | 1.50 | 79.50 | 19.00 | 51 | 37 | 12 |
| General Heavy Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| High Turnover (Sit Down Restaurant) | 9.50 | 7.30 | 7.30 | 8.50 | 72.50 | 19.00 | 37 | 20 | 43 |
| Manufacturing | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |
| Unrefrigerated Warehouse-No Rail | 9.50 | 7.30 | 7.30 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fast Food Restaurant w/o Drive Thru | 0.570872 | 0.033060 | 0.185207 | 0.100996 | 0.009580 | 0.004113 | 0.018871 | 0.068007 | 0.001377 | 0.001299 | 0.005311 | 0.000756 | 0.000551 |
| General Heavy Industry | 0.570872 | 0.033060 | 0.185207 | 0.100996 | 0.009580 | 0.004113 | 0.018871 | 0.068007 | 0.001377 | 0.001299 | 0.005311 | 0.000756 | 0.000551 |
| General Light Industry | 0.570872 | 0.033060 | 0.185207 | 0.100996 | 0.009580 | 0.004113 | 0.018871 | 0.068007 | 0.001377 | 0.001299 | 0.005311 | 0.000756 | 0.000551 |
| High Turnover (Sit Down Restaurant) | 0.570872 | 0.033060 | 0.185207 | 0.100996 | 0.009580 | 0.004113 | 0.018871 | 0.068007 | 0.001377 | 0.001299 | 0.005311 | 0.000756 | 0.000551 |
| Manufacturing | 0.570872 | 0.033060 | 0.185207 | 0.100996 | 0.009580 | 0.004113 | 0.018871 | 0.068007 | 0.001377 | 0.001299 | 0.005311 | 0.000756 | 0.000551 |
| Regional Shopping Center | 0.570872 | 0.033060 | 0.185207 | 0.100996 | 0.009580 | 0.004113 | 0.018871 | 0.068007 | 0.001377 | 0.001299 | 0.005311 | 0.000756 | 0.000551 |
| Unrefrigerated Warehouse-No Rail | 0.570872 | 0.033060 | 0.185207 | 0.100996 | 0.009580 | 0.004113 | 0.018871 | 0.068007 | 0.001377 | 0.001299 | 0.005311 | 0.000756 | 0.000551 |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

### 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 | | | | | |
| Fast Food Restaurant w/o Drive Thru | 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 |
| General Heavy Industry | 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 |
| General Light Industry | 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 |
| High Turnover (Sit Down Restaurant) | 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 |
| Manufacturing | 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 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Regional Shopping Center | 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 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | | | | | |
| Fast Food Restaurant w/o Drive Thru | 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 |
| General Heavy Industry | 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 |
| General Light Industry | 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 |
| High Turnover (Sit Down Restaurant) | 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 |
| Manufacturing | 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 |
| Regional Shopping Center | 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 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

# 6.0 Area Detail

## 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 | 112.2029 | 4.7800e-003 | 0.5320 | 4.0000e-005 | | 1.8900e-003 | 1.8900e-003 | | 1.8900e-003 | 1.8900e-003 | | 1.1470 | 1.1470 | 2.9500e-003 | | 1.2209 |
| Unmitigated | 112.2029 | 4.7800e-003 | 0.5320 | 4.0000e-005 | | 1.8900e-003 | 1.8900e-003 | | 1.8900e-003 | 1.8900e-003 | | 1.1470 | 1.1470 | 2.9500e-003 | | 1.2209 |

## 6.2 Area by SubCategory

### Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 112.1542 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0487 | 4.7800e-003 | 0.5320 | 4.0000e-005 | | 1.8900e-003 | 1.8900e-003 | | 1.8900e-003 | 1.8900e-003 | | 1.1470 | 1.1470 | 2.9500e-003 | | 1.2209 |
| **Total** | **112.2029** | **4.7800e-003** | **0.5320** | **4.0000e-005** | | **1.8900e-003** | **1.8900e-003** | | **1.8900e-003** | **1.8900e-003** | | **1.1470** | **1.1470** | **2.9500e-003** | | **1.2209** |

### Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 112.1542 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Landscaping | 0.0487 | 4.7800e-003 | 0.5320 | 4.0000e-005 | | 1.8900e-003 | 1.8900e-003 | | 1.8900e-003 | 1.8900e-003 | | 1.1470 | 1.1470 | 2.9500e-003 | | 1.2209 |
| **Total** | **112.2029** | **4.7800e-003** | **0.5320** | **4.0000e-005** | | **1.8900e-003** | **1.8900e-003** | | **1.8900e-003** | **1.8900e-003** | | **1.1470** | **1.1470** | **2.9500e-003** | | **1.2209** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

## 11.0 Vegetation

SCLA Specifc Plan - Phase Three - Construction Only - San Bernardino-Mojave Desert County, Annual

# SCLA Specifc Plan - Phase Three - Construction Only

**San Bernardino-Mojave Desert County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Heavy Industry | 899.04 | 1000sqft | 183.57 | 899,040.00 | 0 |
| General Light Industry | 773.33 | 1000sqft | 157.90 | 773,330.00 | 0 |
| Manufacturing | 992.92 | 1000sqft | 202.74 | 992,920.00 | 0 |
| Unrefrigerated Warehouse-No Rail | 3,033.75 | 1000sqft | 619.45 | 3,033,750.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.6 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 10 | | | **Operational Year** | 2040 |
| **Utility Company** | Statewide Average | | | | |
| **CO2 Intensity (lb/MWhr)** | 1001.57 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction only.

Land Use - Based of gross lot acreage of 1163.67

Construction Phase - Phase three would occur over approximately 5 years.

Demolition -

Grading - Cut and Fill is balanced.

Architectural Coating - MAQMD Rule 1113 50 g/L VOC content.

Vehicle Trips - Construction Emissions Only.

Consumer Products - Construction Emissions Only.

Area Coating - Construction Emissions Only.

Energy Use - Construction Emissions Only.

Water And Wastewater - Construction Emissions Only.

Solid Waste - Construction Emissions Only.

Construction Off-road Equipment Mitigation - MDAQMD Rule 403.2

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblAreaCoating | Area_Nonresidential_Exterior | 2849520 | 0 |
| tblAreaCoating | Area_Nonresidential_Interior | 8548560 | 0 |
| tblAreaCoating | ReapplicationRatePercent | 10 | 0 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 15 |
| tblConstructionPhase | NumDays | 11,000.00 | 480.00 |
| tblConstructionPhase | NumDays | 155,000.00 | 300.00 |
| tblConstructionPhase | NumDays | 10,000.00 | 160.00 |
| tblConstructionPhase | NumDays | 15,500.00 | 220.00 |
| tblConstructionPhase | NumDays | 11,000.00 | 120.00 |
| tblConstructionPhase | NumDays | 6,000.00 | 140.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 1.17 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 0.82 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |

| | | | |
|---|---|---|---|
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 0.03 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 0.37 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 2.00 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | LDA | 0.57 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT2 | 0.19 | 0.00 |
| tblFleetMix | LHD1 | 9.0200e-003 | 0.00 |
| tblFleetMix | LHD2 | 4.0660e-003 | 0.00 |
| tblFleetMix | MCY | 5.2850e-003 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MH | 5.2300e-004 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | OBUS | 1.3830e-003 | 0.00 |
| tblFleetMix | SBUS | 7.3600e-004 | 0.00 |
| tblFleetMix | UBUS | 1.2770e-003 | 0.00 |
| tblGrading | MaterialExported | 0.00 | 1,257,000.00 |
| tblGrading | MaterialImported | 0.00 | 1,257,000.00 |
| tblLandUse | LotAcreage | 20.64 | 183.57 |
| tblLandUse | LotAcreage | 17.75 | 157.90 |
| tblLandUse | LotAcreage | 22.79 | 202.74 |
| tblLandUse | LotAcreage | 69.65 | 619.45 |
| tblSolidWaste | SolidWasteGenerationRate | 1,114.81 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 1,231.22 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 2,851.72 | 0.00 |

| | | | |
|---|---|---|---|
| tblVehicleTrips | ST_TR | 1.50 | 0.00 |
| tblVehicleTrips | ST_TR | 1.49 | 0.00 |
| tblVehicleTrips | ST_TR | 1.68 | 0.00 |
| tblVehicleTrips | SU_TR | 1.50 | 0.00 |
| tblVehicleTrips | SU_TR | 0.62 | 0.00 |
| tblVehicleTrips | SU_TR | 1.68 | 0.00 |
| tblVehicleTrips | WD_TR | 1.50 | 0.00 |
| tblVehicleTrips | WD_TR | 3.82 | 0.00 |
| tblVehicleTrips | WD_TR | 1.68 | 0.00 |
| tblWater | IndoorWaterUseRate | 207,903,000.00 | 0.00 |
| tblWater | IndoorWaterUseRate | 229,612,750.00 | 0.00 |
| tblWater | IndoorWaterUseRate | 701,554,687.50 | 0.00 |

## 2.0 Emissions Summary

### 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 | | | | | |
| 2035 | 0.2748 | 1.6367 | 2.4660 | 9.2500e-003 | 1.9607 | 0.0339 | 1.9945 | 0.6714 | 0.0338 | 0.7053 | 0.0000 | 828.4268 | 828.4268 | 0.0347 | 0.0000 | 829.2941 |
| 2036 | 0.6804 | 11.6433 | 5.4568 | 0.0650 | 2.8938 | 0.0583 | 2.9521 | 1.0031 | 0.0576 | 1.0607 | 0.0000 | 6,251.2820 | 6,251.2820 | 0.2891 | 0.0000 | 6,258.5082 |
| 2037 | 0.8699 | 9.8469 | 7.8557 | 0.0529 | 3.3374 | 0.0389 | 3.3762 | 0.9052 | 0.0379 | 0.9430 | 0.0000 | 4,930.1350 | 4,930.1350 | 0.1848 | 0.0000 | 4,934.7537 |
| 2038 | 6.3910 | 1.4445 | 1.7144 | 0.0101 | 0.8936 | 6.3600e-003 | 0.9000 | 0.2399 | 6.1100e-003 | 0.2461 | 0.0000 | 934.1842 | 934.1842 | 0.0286 | 0.0000 | 934.8982 |
| 2039 | 7.1177 | 0.1425 | 0.8611 | 3.4500e-003 | 0.4921 | 2.8500e-003 | 0.4950 | 0.1307 | 2.7300e-003 | 0.1335 | 0.0000 | 310.7176 | 310.7176 | 4.3400e-003 | 0.0000 | 310.8263 |
| **Maximum** | **7.1177** | **11.6433** | **7.8557** | **0.0650** | **3.3374** | **0.0583** | **3.3762** | **1.0031** | **0.0576** | **1.0607** | **0.0000** | **6,251.2820** | **6,251.2820** | **0.2891** | **0.0000** | **6,258.5082** |

## 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 | | | | | |
| 2035 | 0.2748 | 1.6367 | 2.4660 | 9.2500e-003 | 0.8208 | 0.0339 | 0.8547 | 0.2772 | 0.0338 | 0.3110 | 0.0000 | 828.4262 | 828.4262 | 0.0347 | 0.0000 | 829.2934 |
| 2036 | 0.6804 | 11.6433 | 5.4568 | 0.0650 | 1.9892 | 0.0583 | 2.0475 | 0.6274 | 0.0576 | 0.6849 | 0.0000 | 6,251.2810 | 6,251.2810 | 0.2891 | 0.0000 | 6,258.5072 |
| 2037 | 0.8699 | 9.8469 | 7.8557 | 0.0529 | 3.3374 | 0.0389 | 3.3762 | 0.9052 | 0.0379 | 0.9430 | 0.0000 | 4,930.1344 | 4,930.1344 | 0.1848 | 0.0000 | 4,934.7532 |
| 2038 | 6.3910 | 1.4445 | 1.7144 | 0.0101 | 0.8936 | 6.3600e-003 | 0.9000 | 0.2399 | 6.1100e-003 | 0.2461 | 0.0000 | 934.1841 | 934.1841 | 0.0286 | 0.0000 | 934.8981 |
| 2039 | 7.1177 | 0.1425 | 0.8611 | 3.4500e-003 | 0.4921 | 2.8500e-003 | 0.4950 | 0.1307 | 2.7300e-003 | 0.1335 | 0.0000 | 310.7176 | 310.7176 | 4.3400e-003 | 0.0000 | 310.8262 |
| **Maximum** | **7.1177** | **11.6433** | **7.8557** | **0.0650** | **3.3374** | **0.0583** | **3.3762** | **0.9052** | **0.0576** | **0.9430** | **0.0000** | **6,251.2810** | **6,251.2810** | **0.2891** | **0.0000** | **6,258.5072** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **21.35** | **0.00** | **21.04** | **26.10** | **0.00** | **24.93** | **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 | 1-1-2035 | 3-31-2035 | 0.5139 | 0.5139 |
| 2 | 4-1-2035 | 6-30-2035 | 0.5209 | 0.5209 |
| 3 | 7-1-2035 | 9-30-2035 | 0.4592 | 0.4592 |
| 4 | 10-1-2035 | 12-31-2035 | 0.4051 | 0.4051 |
| 5 | 1-1-2036 | 3-31-2036 | 1.6858 | 1.6858 |
| 6 | 4-1-2036 | 6-30-2036 | 3.4950 | 3.4950 |
| 7 | 7-1-2036 | 9-30-2036 | 3.5334 | 3.5334 |
| 8 | 10-1-2036 | 12-31-2036 | 3.4766 | 3.4766 |
| 9 | 1-1-2037 | 3-31-2037 | 2.7252 | 2.7252 |
| 10 | 4-1-2037 | 6-30-2037 | 2.7389 | 2.7389 |

| | | | | |
|---|---|---|---|---|
| **11** | **7-1-2037** | **9-30-2037** | 2.6095 | 2.6095 |
| **12** | **10-1-2037** | **12-31-2037** | 2.5869 | 2.5869 |
| **13** | **1-1-2038** | **3-31-2038** | 2.2203 | 2.2203 |
| **14** | **4-1-2038** | **6-30-2038** | 1.8520 | 1.8520 |
| **15** | **7-1-2038** | **9-30-2038** | 1.8724 | 1.8724 |
| **16** | **10-1-2038** | **12-31-2038** | 1.8729 | 1.8729 |
| **17** | **1-1-2039** | **3-31-2039** | 1.8322 | 1.8322 |
| **18** | **4-1-2039** | **6-30-2039** | 1.8520 | 1.8520 |
| **19** | **7-1-2039** | **9-30-2039** | 1.8724 | 1.8724 |
| | | **Highest** | 3.5334 | 3.5334 |

## 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 | 22.2624 | 4.7000e-004 | 0.0520 | 0.0000 | | 1.8000e-004 | 1.8000e-004 | | 1.8000e-004 | 1.8000e-004 | 0.0000 | 0.1018 | 0.1018 | 2.6000e-004 | 0.0000 | 0.1084 |
| Energy | 0.1355 | 1.2316 | 1.0346 | 7.3900e-003 | | 0.0936 | 0.0936 | | 0.0936 | 0.0936 | 0.0000 | 4,906.7641 | 4,906.7641 | 0.1290 | 0.0459 | 4,923.6790 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 3.8424 | 0.0000 | 3.8424 | 0.9431 | 0.0000 | 0.9431 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 194.6541 | 0.0000 | 194.6541 | 11.5037 | 0.0000 | 482.2474 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 56.7353 | 1,057.8839 | 1,114.6192 | 5.8579 | 0.1439 | 1,303.9581 |
| **Total** | **22.3978** | **1.2321** | **1.0866** | **7.3900e-003** | **3.8424** | **0.0938** | **3.9361** | **0.9431** | **0.0938** | **1.0369** | **251.3894** | **5,964.7498** | **6,216.1392** | **17.4908** | **0.1899** | **6,709.9928** |

### 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 | 22.2624 | 4.7000e-004 | 0.0520 | 0.0000 | | 1.8000e-004 | 1.8000e-004 | | 1.8000e-004 | 1.8000e-004 | 0.0000 | 0.1018 | 0.1018 | 2.6000e-004 | 0.0000 | 0.1084 |
| Energy | 0.1355 | 1.2316 | 1.0346 | 7.3900e-003 | | 0.0936 | 0.0936 | | 0.0936 | 0.0936 | 0.0000 | 4,906.7641 | 4,906.7641 | 0.1290 | 0.0459 | 4,923.6790 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 3.8424 | 0.0000 | 3.8424 | 0.9431 | 0.0000 | 0.9431 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 194.6541 | 0.0000 | 194.6541 | 11.5037 | 0.0000 | 482.2474 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 56.7353 | 1,057.8839 | 1,114.6192 | 5.8579 | 0.1439 | 1,303.9581 |
| **Total** | **22.3978** | **1.2321** | **1.0866** | **7.3900e-003** | **3.8424** | **0.0938** | **3.9361** | **0.9431** | **0.0938** | **1.0369** | **251.3894** | **5,964.7498** | **6,216.1392** | **17.4908** | **0.1899** | **6,709.9928** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | 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 | Demolition | Demolition | 1/1/2035 | 8/10/2035 | 5 | 160 | |
| 2 | Site Preparation | Site Preparation | 8/11/2035 | 2/22/2036 | 5 | 140 | |
| 3 | Grading | Grading | 2/23/2036 | 12/26/2036 | 5 | 220 | |
| 4 | Building Construction | Building Construction | 12/27/2036 | 2/19/2038 | 5 | 300 | |
| 5 | Paving | Paving | 12/27/2036 | 6/12/2037 | 5 | 120 | |
| 6 | Architectural Coating | Architectural Coating | 2/20/2038 | 12/23/2039 | 5 | 480 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 550**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 8,548,560; Non-Residential Outdoor: 2,849,520; Striped Parking**

## OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Excavators | 3 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| 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 |
| 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 |
| 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 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

## Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 6 | 15.00 | 0.00 | 8,728.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 8 | 20.00 | 0.00 | 157,125.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 2,394.00 | 934.00 | 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 |
| Architectural Coating | 1 | 479.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

## 3.2 Demolition - 2035

**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 | | | | | 0.9562 | 0.0000 | 0.9562 | 0.1448 | 0.0000 | 0.1448 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1465 | 0.5526 | 1.4965 | 3.7000e-003 | | 0.0181 | 0.0181 | | 0.0181 | 0.0181 | 0.0000 | 317.7746 | 317.7746 | 0.0116 | 0.0000 | 318.0647 |
| **Total** | **0.1465** | **0.5526** | **1.4965** | **3.7000e-003** | **0.9562** | **0.0181** | **0.9744** | **0.1448** | **0.0181** | **0.1630** | **0.0000** | **317.7746** | **317.7746** | **0.0116** | **0.0000** | **318.0647** |

**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 | 0.0169 | 0.5705 | 0.1410 | 3.0900e-003 | 0.0751 | 9.7000e-004 | 0.0761 | 0.0206 | 9.3000e-004 | 0.0216 | 0.0000 | 299.0231 | 299.0231 | 0.0143 | 0.0000 | 299.3812 |
| 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 | 1.6900e-003 | 9.0000e-004 | 0.0124 | 6.0000e-005 | 9.6700e-003 | 3.0000e-005 | 9.7000e-003 | 2.5700e-003 | 3.0000e-005 | 2.6000e-003 | 0.0000 | 5.4656 | 5.4656 | 6.0000e-005 | 0.0000 | 5.4671 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **0.0186** | **0.5714** | **0.1534** | **3.1500e-003** | **0.0848** | **1.0000e-003** | **0.0858** | **0.0232** | **9.6000e-004** | **0.0242** | **0.0000** | **304.4887** | **304.4887** | **0.0144** | **0.0000** | **304.8483** |

**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 | | | | | 0.3729 | 0.0000 | 0.3729 | 0.0565 | 0.0000 | 0.0565 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1465 | 0.5526 | 1.4965 | 3.7000e-003 | | 0.0181 | 0.0181 | | 0.0181 | 0.0181 | 0.0000 | 317.7742 | 317.7742 | 0.0116 | 0.0000 | 318.0644 |
| **Total** | **0.1465** | **0.5526** | **1.4965** | **3.7000e-003** | **0.3729** | **0.0181** | **0.3911** | **0.0565** | **0.0181** | **0.0746** | **0.0000** | **317.7742** | **317.7742** | **0.0116** | **0.0000** | **318.0644** |

**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 | 0.0169 | 0.5705 | 0.1410 | 3.0900e-003 | 0.0751 | 9.7000e-004 | 0.0761 | 0.0206 | 9.3000e-004 | 0.0216 | 0.0000 | 299.0231 | 299.0231 | 0.0143 | 0.0000 | 299.3812 |
| 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 | 1.6900e-003 | 9.0000e-004 | 0.0124 | 6.0000e-005 | 9.6700e-003 | 3.0000e-005 | 9.7000e-003 | 2.5700e-003 | 3.0000e-005 | 2.6000e-003 | 0.0000 | 5.4656 | 5.4656 | 6.0000e-005 | 0.0000 | 5.4671 |
| **Total** | **0.0186** | **0.5714** | **0.1534** | **3.1500e-003** | **0.0848** | **1.0000e-003** | **0.0858** | **0.0232** | **9.6000e-004** | **0.0242** | **0.0000** | **304.4887** | **304.4887** | **0.0144** | **0.0000** | **304.8483** |

## 3.3 Site Preparation - 2035

**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 | | | | | 0.9124 | 0.0000 | 0.9124 | 0.5015 | 0.0000 | 0.5015 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1085 | 0.5121 | 0.8066 | 2.3500e-003 | | 0.0147 | 0.0147 | | 0.0147 | 0.0147 | 0.0000 | 202.0233 | 202.0233 | 8.6600e-003 | 0.0000 | 202.2397 |
| **Total** | **0.1085** | **0.5121** | **0.8066** | **2.3500e-003** | **0.9124** | **0.0147** | **0.9271** | **0.5015** | **0.0147** | **0.5162** | **0.0000** | **202.0233** | **202.0233** | **8.6600e-003** | **0.0000** | **202.2397** |

## 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 | 1.2800e-003 | 6.8000e-004 | 9.4100e-003 | 5.0000e-005 | 7.3200e-003 | 2.0000e-005 | 7.3500e-003 | 1.9500e-003 | 2.0000e-005 | 1.9700e-003 | 0.0000 | 4.1402 | 4.1402 | 5.0000e-005 | 0.0000 | 4.1413 |
| **Total** | **1.2800e-003** | **6.8000e-004** | **9.4100e-003** | **5.0000e-005** | **7.3200e-003** | **2.0000e-005** | **7.3500e-003** | **1.9500e-003** | **2.0000e-005** | **1.9700e-003** | **0.0000** | **4.1402** | **4.1402** | **5.0000e-005** | **0.0000** | **4.1413** |

## 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 | | | | | 0.3558 | 0.0000 | 0.3558 | 0.1956 | 0.0000 | 0.1956 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1085 | 0.5121 | 0.8066 | 2.3500e-003 | | 0.0147 | 0.0147 | | 0.0147 | 0.0147 | 0.0000 | 202.0231 | 202.0231 | 8.6600e-003 | 0.0000 | 202.2394 |
| **Total** | **0.1085** | **0.5121** | **0.8066** | **2.3500e-003** | **0.3558** | **0.0147** | **0.3705** | **0.1956** | **0.0147** | **0.2103** | **0.0000** | **202.0231** | **202.0231** | **8.6600e-003** | **0.0000** | **202.2394** |

**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 | 1.2800e-003 | 6.8000e-004 | 9.4100e-003 | 5.0000e-005 | 7.3200e-003 | 2.0000e-005 | 7.3500e-003 | 1.9500e-003 | 2.0000e-005 | 1.9700e-003 | 0.0000 | 4.1402 | 4.1402 | 5.0000e-005 | 0.0000 | 4.1413 |
| **Total** | **1.2800e-003** | **6.8000e-004** | **9.4100e-003** | **5.0000e-005** | **7.3200e-003** | **2.0000e-005** | **7.3500e-003** | **1.9500e-003** | **2.0000e-005** | **1.9700e-003** | **0.0000** | **4.1402** | **4.1402** | **5.0000e-005** | **0.0000** | **4.1413** |

## 3.3 Site Preparation - 2036

**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 | | | | | 0.3523 | 0.0000 | 0.3523 | 0.1937 | 0.0000 | 0.1937 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0419 | 0.1977 | 0.3115 | 9.1000e-004 | | 5.6800e-003 | 5.6800e-003 | | 5.6800e-003 | 5.6800e-003 | 0.0000 | 78.0090 | 78.0090 | 3.3400e-003 | 0.0000 | 78.0926 |
| **Total** | **0.0419** | **0.1977** | **0.3115** | **9.1000e-004** | **0.3523** | **5.6800e-003** | **0.3580** | **0.1937** | **5.6800e-003** | **0.1993** | **0.0000** | **78.0090** | **78.0090** | **3.3400e-003** | **0.0000** | **78.0926** |

## 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 | 2.6000e-004 | 3.6300e-003 | 2.0000e-005 | 2.8300e-003 | 1.0000e-005 | 2.8400e-003 | 7.5000e-004 | 1.0000e-005 | 7.6000e-004 | 0.0000 | 1.5987 | 1.5987 | 2.0000e-005 | 0.0000 | 1.5991 |
| **Total** | **5.0000e-004** | **2.6000e-004** | **3.6300e-003** | **2.0000e-005** | **2.8300e-003** | **1.0000e-005** | **2.8400e-003** | **7.5000e-004** | **1.0000e-005** | **7.6000e-004** | **0.0000** | **1.5987** | **1.5987** | **2.0000e-005** | **0.0000** | **1.5991** |

## 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 | | | | | 0.1374 | 0.0000 | 0.1374 | 0.0755 | 0.0000 | 0.0755 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0419 | 0.1977 | 0.3115 | 9.1000e-004 | | 5.6800e-003 | 5.6800e-003 | | 5.6800e-003 | 5.6800e-003 | 0.0000 | 78.0089 | 78.0089 | 3.3400e-003 | 0.0000 | 78.0925 |
| **Total** | **0.0419** | **0.1977** | **0.3115** | **9.1000e-004** | **0.1374** | **5.6800e-003** | **0.1431** | **0.0755** | **5.6800e-003** | **0.0812** | **0.0000** | **78.0089** | **78.0089** | **3.3400e-003** | **0.0000** | **78.0925** |

## 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 | 2.6000e-004 | 3.6300e-003 | 2.0000e-005 | 2.8300e-003 | 1.0000e-005 | 2.8400e-003 | 7.5000e-004 | 1.0000e-005 | 7.6000e-004 | 0.0000 | 1.5987 | 1.5987 | 2.0000e-005 | 0.0000 | 1.5991 |
| **Total** | **5.0000e-004** | **2.6000e-004** | **3.6300e-003** | **2.0000e-005** | **2.8300e-003** | **1.0000e-005** | **2.8400e-003** | **7.5000e-004** | **1.0000e-005** | **7.6000e-004** | **0.0000** | **1.5987** | **1.5987** | **2.0000e-005** | **0.0000** | **1.5991** |

## 3.4 Grading - 2036

### 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 | | | | | 1.1307 | 0.0000 | 1.1307 | 0.4224 | 0.0000 | 0.4224 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.3203 | 1.0554 | 2.4778 | 7.6900e-003 | | 0.0346 | 0.0346 | | 0.0346 | 0.0346 | 0.0000 | 719.7990 | 719.7990 | 0.0255 | 0.0000 | 720.4376 |
| **Total** | **0.3203** | **1.0554** | **2.4778** | **7.6900e-003** | **1.1307** | **0.0346** | **1.1653** | **0.4224** | **0.0346** | **0.4569** | **0.0000** | **719.7990** | **719.7990** | **0.0255** | **0.0000** | **720.4376** |

### 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 | 0.3037 | 10.2710 | 2.5376 | 0.0557 | 1.3518 | 0.0174 | 1.3692 | 0.3712 | 0.0167 | 0.3879 | 0.0000 | 5,383.1359 | 5,383.1359 | 0.2578 | 0.0000 | 5,389.5816 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.1100e-003 | 1.6500e-003 | 0.0228 | 1.1000e-004 | 0.0177 | 6.0000e-005 | 0.0178 | 4.7100e-003 | 5.0000e-005 | 4.7600e-003 | 0.0000 | 10.0202 | 10.0202 | 1.1000e-004 | 0.0000 | 10.0231 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **0.3068** | **10.2727** | **2.5604** | **0.0558** | **1.3695** | **0.0175** | **1.3870** | **0.3759** | **0.0167** | **0.3927** | **0.0000** | **5,393.1561** | **5,393.1561** | **0.2579** | **0.0000** | **5,399.6047** |

**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 | | | | | 0.4410 | 0.0000 | 0.4410 | 0.1647 | 0.0000 | 0.1647 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.3203 | 1.0554 | 2.4778 | 7.6900e-003 | | 0.0346 | 0.0346 | | 0.0346 | 0.0346 | 0.0000 | 719.7982 | 719.7982 | 0.0255 | 0.0000 | 720.4367 |
| **Total** | **0.3203** | **1.0554** | **2.4778** | **7.6900e-003** | **0.4410** | **0.0346** | **0.4755** | **0.1647** | **0.0346** | **0.1993** | **0.0000** | **719.7982** | **719.7982** | **0.0255** | **0.0000** | **720.4367** |

**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 | 0.3037 | 10.2710 | 2.5376 | 0.0557 | 1.3518 | 0.0174 | 1.3692 | 0.3712 | 0.0167 | 0.3879 | 0.0000 | 5,383.1359 | 5,383.1359 | 0.2578 | 0.0000 | 5,389.5816 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.1100e-003 | 1.6500e-003 | 0.0228 | 1.1000e-004 | 0.0177 | 6.0000e-005 | 0.0178 | 4.7100e-003 | 5.0000e-005 | 4.7600e-003 | 0.0000 | 10.0202 | 10.0202 | 1.1000e-004 | 0.0000 | 10.0231 |
| **Total** | **0.3068** | **10.2727** | **2.5604** | **0.0558** | **1.3695** | **0.0175** | **1.3870** | **0.3759** | **0.0167** | **0.3927** | **0.0000** | **5,393.1561** | **5,393.1561** | **0.2579** | **0.0000** | **5,399.6047** |

## 3.5 Building Construction - 2036

**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 | 1.8300e-003 | 0.0107 | 0.0242 | 5.0000e-005 | | 1.4000e-004 | 1.4000e-004 | | 1.4000e-004 | 1.4000e-004 | 0.0000 | 3.9429 | 3.9429 | 1.5000e-004 | 0.0000 | 3.9466 |
| **Total** | **1.8300e-003** | **0.0107** | **0.0242** | **5.0000e-005** | | **1.4000e-004** | **1.4000e-004** | | **1.4000e-004** | **1.4000e-004** | **0.0000** | **3.9429** | **3.9429** | **1.5000e-004** | **0.0000** | **3.9466** |

## Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 2.3200e-003 | 0.0965 | 0.0182 | 3.6000e-004 | 9.3400e-003 | 9.0000e-005 | 9.4300e-003 | 2.7000e-003 | 9.0000e-005 | 2.7800e-003 | 0.0000 | 34.7031 | 34.7031 | 1.7300e-003 | 0.0000 | 34.7464 |
| Worker | 5.0700e-003 | 2.7000e-003 | 0.0372 | 1.8000e-004 | 0.0289 | 9.0000e-005 | 0.0290 | 7.6900e-003 | 9.0000e-005 | 7.7700e-003 | 0.0000 | 16.3557 | 16.3557 | 1.8000e-004 | 0.0000 | 16.3604 |
| **Total** | **7.3900e-003** | **0.0992** | **0.0554** | **5.4000e-004** | **0.0383** | **1.8000e-004** | **0.0385** | **0.0104** | **1.8000e-004** | **0.0106** | **0.0000** | **51.0589** | **51.0589** | **1.9100e-003** | **0.0000** | **51.1067** |

## 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 | 1.8300e-003 | 0.0107 | 0.0242 | 5.0000e-005 | | 1.4000e-004 | 1.4000e-004 | | 1.4000e-004 | 1.4000e-004 | 0.0000 | 3.9429 | 3.9429 | 1.5000e-004 | 0.0000 | 3.9466 |
| **Total** | **1.8300e-003** | **0.0107** | **0.0242** | **5.0000e-005** | | **1.4000e-004** | **1.4000e-004** | | **1.4000e-004** | **1.4000e-004** | **0.0000** | **3.9429** | **3.9429** | **1.5000e-004** | **0.0000** | **3.9466** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 2.3200e-003 | 0.0965 | 0.0182 | 3.6000e-004 | 9.3400e-003 | 9.0000e-005 | 9.4300e-003 | 2.7000e-003 | 9.0000e-005 | 2.7800e-003 | 0.0000 | 34.7031 | 34.7031 | 1.7300e-003 | 0.0000 | 34.7464 |
| Worker | 5.0700e-003 | 2.7000e-003 | 0.0372 | 1.8000e-004 | 0.0289 | 9.0000e-005 | 0.0290 | 7.6900e-003 | 9.0000e-005 | 7.7700e-003 | 0.0000 | 16.3557 | 16.3557 | 1.8000e-004 | 0.0000 | 16.3604 |
| **Total** | **7.3900e-003** | **0.0992** | **0.0554** | **5.4000e-004** | **0.0383** | **1.8000e-004** | **0.0385** | **0.0104** | **1.8000e-004** | **0.0106** | **0.0000** | **51.0589** | **51.0589** | **1.9100e-003** | **0.0000** | **51.1067** |

## 3.5 Building Construction - 2037

**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 | 0.1588 | 0.9346 | 2.1034 | 4.0400e-003 | | 0.0118 | 0.0118 | | 0.0118 | 0.0118 | 0.0000 | 343.0336 | 343.0336 | 0.0128 | 0.0000 | 343.3530 |
| **Total** | **0.1588** | **0.9346** | **2.1034** | **4.0400e-003** | | **0.0118** | **0.0118** | | **0.0118** | **0.0118** | **0.0000** | **343.0336** | **343.0336** | **0.0128** | **0.0000** | **343.3530** |

## 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 | 0.2021 | 8.3919 | 1.5831 | 0.0315 | 0.8127 | 7.9400e-003 | 0.8207 | 0.2345 | 7.5900e-003 | 0.2421 | 0.0000 | 3,019.1735 | 3,019.1735 | 0.1504 | 0.0000 | 3,022.9343 |
| Worker | 0.4410 | 0.2346 | 3.2347 | 0.0157 | 2.5175 | 8.1300e-003 | 2.5257 | 0.6687 | 7.4800e-003 | 0.6762 | 0.0000 | 1,422.9490 | 1,422.9490 | 0.0161 | 0.0000 | 1,423.3508 |
| **Total** | **0.6431** | **8.6264** | **4.8178** | **0.0472** | **3.3303** | **0.0161** | **3.3464** | **0.9033** | **0.0151** | **0.9184** | **0.0000** | **4,442.1225** | **4,442.1225** | **0.1665** | **0.0000** | **4,446.2851** |

## 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 | 0.1588 | 0.9346 | 2.1034 | 4.0400e-003 | | 0.0118 | 0.0118 | | 0.0118 | 0.0118 | 0.0000 | 343.0332 | 343.0332 | 0.0128 | 0.0000 | 343.3526 |
| **Total** | **0.1588** | **0.9346** | **2.1034** | **4.0400e-003** | | **0.0118** | **0.0118** | | **0.0118** | **0.0118** | **0.0000** | **343.0332** | **343.0332** | **0.0128** | **0.0000** | **343.3526** |

## 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 | 0.2021 | 8.3919 | 1.5831 | 0.0315 | 0.8127 | 7.9400e-003 | 0.8207 | 0.2345 | 7.5900e-003 | 0.2421 | 0.0000 | 3,019.1735 | 3,019.1735 | 0.1504 | 0.0000 | 3,022.9343 |
| Worker | 0.4410 | 0.2346 | 3.2347 | 0.0157 | 2.5175 | 8.1300e-003 | 2.5257 | 0.6687 | 7.4800e-003 | 0.6762 | 0.0000 | 1,422.9490 | 1,422.9490 | 0.0161 | 0.0000 | 1,423.3508 |
| **Total** | **0.6431** | **8.6264** | **4.8178** | **0.0472** | **3.3303** | **0.0161** | **3.3464** | **0.9033** | **0.0151** | **0.9184** | **0.0000** | **4,442.1225** | **4,442.1225** | **0.1665** | **0.0000** | **4,446.2851** |

## 3.5 Building Construction - 2038

### 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 | 0.0219 | 0.1289 | 0.2901 | 5.6000e-004 | | 1.6300e-003 | 1.6300e-003 | | 1.6300e-003 | 1.6300e-003 | 0.0000 | 47.3150 | 47.3150 | 1.7600e-003 | 0.0000 | 47.3590 |
| **Total** | **0.0219** | **0.1289** | **0.2901** | **5.6000e-004** | | **1.6300e-003** | **1.6300e-003** | | **1.6300e-003** | **1.6300e-003** | **0.0000** | **47.3150** | **47.3150** | **1.7600e-003** | **0.0000** | **47.3590** |

### 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 | 0.0279 | 1.1575 | 0.2184 | 4.3400e-003 | 0.1121 | 1.1000e-003 | 0.1132 | 0.0324 | 1.0500e-003 | 0.0334 | 0.0000 | 416.4377 | 416.4377 | 0.0208 | 0.0000 | 416.9565 |
| Worker | 0.0608 | 0.0324 | 0.4462 | 2.1700e-003 | 0.3473 | 1.1200e-003 | 0.3484 | 0.0922 | 1.0300e-003 | 0.0933 | 0.0000 | 196.2688 | 196.2688 | 2.2200e-003 | 0.0000 | 196.3243 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **0.0887** | **1.1899** | **0.6645** | **6.5100e-003** | **0.4594** | **2.2200e-003** | **0.4616** | **0.1246** | **2.0800e-003** | **0.1267** | **0.0000** | **612.7066** | **612.7066** | **0.0230** | **0.0000** | **613.2807** |

**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 | 0.0219 | 0.1289 | 0.2901 | 5.6000e-004 | | 1.6300e-003 | 1.6300e-003 | | 1.6300e-003 | 1.6300e-003 | 0.0000 | 47.3149 | 47.3149 | 1.7600e-003 | 0.0000 | 47.3590 |
| **Total** | **0.0219** | **0.1289** | **0.2901** | **5.6000e-004** | | **1.6300e-003** | **1.6300e-003** | | **1.6300e-003** | **1.6300e-003** | **0.0000** | **47.3149** | **47.3149** | **1.7600e-003** | **0.0000** | **47.3590** |

**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 | 0.0279 | 1.1575 | 0.2184 | 4.3400e-003 | 0.1121 | 1.1000e-003 | 0.1132 | 0.0324 | 1.0500e-003 | 0.0334 | 0.0000 | 416.4377 | 416.4377 | 0.0208 | 0.0000 | 416.9565 |
| Worker | 0.0608 | 0.0324 | 0.4462 | 2.1700e-003 | 0.3473 | 1.1200e-003 | 0.3484 | 0.0922 | 1.0300e-003 | 0.0933 | 0.0000 | 196.2688 | 196.2688 | 2.2200e-003 | 0.0000 | 196.3243 |
| **Total** | **0.0887** | **1.1899** | **0.6645** | **6.5100e-003** | **0.4594** | **2.2200e-003** | **0.4616** | **0.1246** | **2.0800e-003** | **0.1267** | **0.0000** | **612.7066** | **612.7066** | **0.0230** | **0.0000** | **613.2807** |

## 3.6 Paving - 2036

**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 | 1.7100e-003 | 7.3100e-003 | 0.0237 | 4.0000e-005 | | 2.8000e-004 | 2.8000e-004 | | 2.8000e-004 | 2.8000e-004 | 0.0000 | 3.6149 | 3.6149 | 1.4000e-004 | 0.0000 | 3.6184 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **1.7100e-003** | **7.3100e-003** | **0.0237** | **4.0000e-005** | | **2.8000e-004** | **2.8000e-004** | | **2.8000e-004** | **2.8000e-004** | **0.0000** | **3.6149** | **3.6149** | **1.4000e-004** | **0.0000** | **3.6184** |

## Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.0000e-005 | 2.0000e-005 | 2.3000e-004 | 0.0000 | 1.8000e-004 | 0.0000 | 1.8000e-004 | 5.0000e-005 | 0.0000 | 5.0000e-005 | 0.0000 | 0.1025 | 0.1025 | 0.0000 | 0.0000 | 0.1025 |
| **Total** | **3.0000e-005** | **2.0000e-005** | **2.3000e-004** | **0.0000** | **1.8000e-004** | **0.0000** | **1.8000e-004** | **5.0000e-005** | **0.0000** | **5.0000e-005** | **0.0000** | **0.1025** | **0.1025** | **0.0000** | **0.0000** | **0.1025** |

## 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 | 1.7100e-003 | 7.3100e-003 | 0.0237 | 4.0000e-005 | | 2.8000e-004 | 2.8000e-004 | | 2.8000e-004 | 2.8000e-004 | 0.0000 | 3.6149 | 3.6149 | 1.4000e-004 | 0.0000 | 3.6184 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **1.7100e-003** | **7.3100e-003** | **0.0237** | **4.0000e-005** | | **2.8000e-004** | **2.8000e-004** | | **2.8000e-004** | **2.8000e-004** | **0.0000** | **3.6149** | **3.6149** | **1.4000e-004** | **0.0000** | **3.6184** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.0000e-005 | 2.0000e-005 | 2.3000e-004 | 0.0000 | 1.8000e-004 | 0.0000 | 1.8000e-004 | 5.0000e-005 | 0.0000 | 5.0000e-005 | 0.0000 | 0.1025 | 0.1025 | 0.0000 | 0.0000 | 0.1025 |
| **Total** | **3.0000e-005** | **2.0000e-005** | **2.3000e-004** | **0.0000** | **1.8000e-004** | **0.0000** | **1.8000e-004** | **5.0000e-005** | **0.0000** | **5.0000e-005** | **0.0000** | **0.1025** | **0.1025** | **0.0000** | **0.0000** | **0.1025** |

## 3.6 Paving - 2037

**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 | 0.0667 | 0.2853 | 0.9255 | 1.6400e-003 | | 0.0110 | 0.0110 | | 0.0110 | 0.0110 | 0.0000 | 140.9822 | 140.9822 | 5.4300e-003 | 0.0000 | 141.1178 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0667** | **0.2853** | **0.9255** | **1.6400e-003** | | **0.0110** | **0.0110** | | **0.0110** | **0.0110** | **0.0000** | **140.9822** | **140.9822** | **5.4300e-003** | **0.0000** | **141.1178** |

## 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 | 1.2400e-003 | 6.6000e-004 | 9.0900e-003 | 4.0000e-005 | 7.0700e-003 | 2.0000e-005 | 7.0900e-003 | 1.8800e-003 | 2.0000e-005 | 1.9000e-003 | 0.0000 | 3.9967 | 3.9967 | 5.0000e-005 | 0.0000 | 3.9978 |
| **Total** | **1.2400e-003** | **6.6000e-004** | **9.0900e-003** | **4.0000e-005** | **7.0700e-003** | **2.0000e-005** | **7.0900e-003** | **1.8800e-003** | **2.0000e-005** | **1.9000e-003** | **0.0000** | **3.9967** | **3.9967** | **5.0000e-005** | **0.0000** | **3.9978** |

## 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 | 0.0667 | 0.2853 | 0.9255 | 1.6400e-003 | | 0.0110 | 0.0110 | | 0.0110 | 0.0110 | 0.0000 | 140.9820 | 140.9820 | 5.4300e-003 | 0.0000 | 141.1176 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0667** | **0.2853** | **0.9255** | **1.6400e-003** | | **0.0110** | **0.0110** | | **0.0110** | **0.0110** | **0.0000** | **140.9820** | **140.9820** | **5.4300e-003** | **0.0000** | **141.1176** |

## 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 | 1.2400e-003 | 6.6000e-004 | 9.0900e-003 | 4.0000e-005 | 7.0700e-003 | 2.0000e-005 | 7.0900e-003 | 1.8800e-003 | 2.0000e-005 | 1.9000e-003 | 0.0000 | 3.9967 | 3.9967 | 5.0000e-005 | 0.0000 | 3.9978 |
| **Total** | **1.2400e-003** | **6.6000e-004** | **9.0900e-003** | **4.0000e-005** | **7.0700e-003** | **2.0000e-005** | **7.0900e-003** | **1.8800e-003** | **2.0000e-005** | **1.9000e-003** | **0.0000** | **3.9967** | **3.9967** | **5.0000e-005** | **0.0000** | **3.9978** |

## 3.7 Architectural Coating - 2038

### 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 | 6.1910 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0133 | 0.0852 | 0.2019 | 3.3000e-004 | | 1.1100e-003 | 1.1100e-003 | | 1.1100e-003 | 1.1100e-003 | 0.0000 | 28.7241 | 28.7241 | 1.0600e-003 | 0.0000 | 28.7506 |
| **Total** | **6.2043** | **0.0852** | **0.2019** | **3.3000e-004** | | **1.1100e-003** | **1.1100e-003** | | **1.1100e-003** | **1.1100e-003** | **0.0000** | **28.7241** | **28.7241** | **1.0600e-003** | **0.0000** | **28.7506** |

### 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 | 0.0761 | 0.0405 | 0.5579 | 2.7100e-003 | 0.4342 | 1.4000e-003 | 0.4356 | 0.1154 | 1.2900e-003 | 0.1166 | 0.0000 | 245.4385 | 245.4385 | 2.7700e-003 | 0.0000 | 245.5078 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **0.0761** | **0.0405** | **0.5579** | **2.7100e-003** | **0.4342** | **1.4000e-003** | **0.4356** | **0.1154** | **1.2900e-003** | **0.1166** | **0.0000** | **245.4385** | **245.4385** | **2.7700e-003** | **0.0000** | **245.5078** |

**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 | 6.1910 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0133 | 0.0852 | 0.2019 | 3.3000e-004 | | 1.1100e-003 | 1.1100e-003 | | 1.1100e-003 | 1.1100e-003 | 0.0000 | 28.7241 | 28.7241 | 1.0600e-003 | 0.0000 | 28.7506 |
| **Total** | **6.2043** | **0.0852** | **0.2019** | **3.3000e-004** | | **1.1100e-003** | **1.1100e-003** | | **1.1100e-003** | **1.1100e-003** | **0.0000** | **28.7241** | **28.7241** | **1.0600e-003** | **0.0000** | **28.7506** |

**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 | 0.0761 | 0.0405 | 0.5579 | 2.7100e-003 | 0.4342 | 1.4000e-003 | 0.4356 | 0.1154 | 1.2900e-003 | 0.1166 | 0.0000 | 245.4385 | 245.4385 | 2.7700e-003 | 0.0000 | 245.5078 |
| **Total** | **0.0761** | **0.0405** | **0.5579** | **2.7100e-003** | **0.4342** | **1.4000e-003** | **0.4356** | **0.1154** | **1.2900e-003** | **0.1166** | **0.0000** | **245.4385** | **245.4385** | **2.7700e-003** | **0.0000** | **245.5078** |

## 3.7 Architectural Coating - 2039

**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 | 7.0165 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0150 | 0.0966 | 0.2288 | 3.8000e-004 | | 1.2600e-003 | 1.2600e-003 | | 1.2600e-003 | 1.2600e-003 | 0.0000 | 32.5540 | 32.5540 | 1.2000e-003 | 0.0000 | 32.5841 |
| **Total** | **7.0315** | **0.0966** | **0.2288** | **3.8000e-004** | | **1.2600e-003** | **1.2600e-003** | | **1.2600e-003** | **1.2600e-003** | **0.0000** | **32.5540** | **32.5540** | **1.2000e-003** | **0.0000** | **32.5841** |

## 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 | 0.0862 | 0.0459 | 0.6323 | 3.0700e-003 | 0.4921 | 1.5900e-003 | 0.4937 | 0.1307 | 1.4600e-003 | 0.1322 | 0.0000 | 278.1637 | 278.1637 | 3.1400e-003 | 0.0000 | 278.2422 |
| **Total** | **0.0862** | **0.0459** | **0.6323** | **3.0700e-003** | **0.4921** | **1.5900e-003** | **0.4937** | **0.1307** | **1.4600e-003** | **0.1322** | **0.0000** | **278.1637** | **278.1637** | **3.1400e-003** | **0.0000** | **278.2422** |

## 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 | 7.0165 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0150 | 0.0966 | 0.2288 | 3.8000e-004 | | 1.2600e-003 | 1.2600e-003 | | 1.2600e-003 | 1.2600e-003 | 0.0000 | 32.5540 | 32.5540 | 1.2000e-003 | 0.0000 | 32.5840 |
| **Total** | **7.0315** | **0.0966** | **0.2288** | **3.8000e-004** | | **1.2600e-003** | **1.2600e-003** | | **1.2600e-003** | **1.2600e-003** | **0.0000** | **32.5540** | **32.5540** | **1.2000e-003** | **0.0000** | **32.5840** |

**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 | 0.0862 | 0.0459 | 0.6323 | 3.0700e-003 | 0.4921 | 1.5900e-003 | 0.4937 | 0.1307 | 1.4600e-003 | 0.1322 | 0.0000 | 278.1637 | 278.1637 | 3.1400e-003 | 0.0000 | 278.2422 |
| **Total** | **0.0862** | **0.0459** | **0.6323** | **3.0700e-003** | **0.4921** | **1.5900e-003** | **0.4937** | **0.1307** | **1.4600e-003** | **0.1322** | **0.0000** | **278.1637** | **278.1637** | **3.1400e-003** | **0.0000** | **278.2422** |

# 4.0 Operational Detail - Mobile

## 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 3.8424 | 0.0000 | 3.8424 | 0.9431 | 0.0000 | 0.9431 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 3.8424 | 0.0000 | 3.8424 | 0.9431 | 0.0000 | 0.9431 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Heavy Industry | 0.00 | 0.00 | 0.00 | | |
| General Light Industry | 5,390.11 | 1,020.80 | 525.86 | 11,885,418 | 11,885,418 |
| Manufacturing | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | | |
| Total | 5,390.11 | 1,020.80 | 525.86 | 11,885,418 | 11,885,418 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | 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 |
| General Heavy Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Manufacturing | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Unrefrigerated Warehouse-No Rail | 9.50 | 7.30 | 7.30 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Heavy Industry | 0.571014 | 0.032844 | 0.185115 | 0.100433 | 0.009020 | 0.004066 | 0.018949 | 0.069354 | 0.001383 | 0.001277 | 0.005285 | 0.000736 | 0.000523 |
| General Light Industry | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Manufacturing | 0.571014 | 0.032844 | 0.185115 | 0.100433 | 0.009020 | 0.004066 | 0.018949 | 0.069354 | 0.001383 | 0.001277 | 0.005285 | 0.000736 | 0.000523 |
| Unrefrigerated Warehouse-No Rail | 0.571014 | 0.032844 | 0.185115 | 0.100433 | 0.009020 | 0.004066 | 0.018949 | 0.069354 | 0.001383 | 0.001277 | 0.005285 | 0.000736 | 0.000523 |

# 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 | 3,565.9722 | 3,565.9722 | 0.1033 | 0.0214 | 3,574.9194 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 3,565.9722 | 3,565.9722 | 0.1033 | 0.0214 | 3,574.9194 |
| NaturalGas Mitigated | 0.1355 | 1.2316 | 1.0346 | 7.3900e-003 | | 0.0936 | 0.0936 | | 0.0936 | 0.0936 | 0.0000 | 1,340.7919 | 1,340.7919 | 0.0257 | 0.0246 | 1,348.7596 |
| NaturalGas Unmitigated | 0.1355 | 1.2316 | 1.0346 | 7.3900e-003 | | 0.0936 | 0.0936 | | 0.0936 | 0.0936 | 0.0000 | 1,340.7919 | 1,340.7919 | 0.0257 | 0.0246 | 1,348.7596 |

## 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 | | | | | |
| General Heavy Industry | 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 |
| General Light Industry | 2.51255e+007 | 0.1355 | 1.2316 | 1.0346 | 7.3900e-003 | | 0.0936 | 0.0936 | | 0.0936 | 0.0936 | 0.0000 | 1,340.7919 | 1,340.7919 | 0.0257 | 0.0246 | 1,348.7596 |
| Manufacturing | 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 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.1355** | **1.2316** | **1.0346** | **7.3900e-003** | | **0.0936** | **0.0936** | | **0.0936** | **0.0936** | **0.0000** | **1,340.7919** | **1,340.7919** | **0.0257** | **0.0246** | **1,348.7596** |

### 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 | | | | | |
| General Heavy Industry | 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 |
| General Light Industry | 2.51255e+007 | 0.1355 | 1.2316 | 1.0346 | 7.3900e-003 | | 0.0936 | 0.0936 | | 0.0936 | 0.0936 | 0.0000 | 1,340.7919 | 1,340.7919 | 0.0257 | 0.0246 | 1,348.7596 |
| Manufacturing | 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 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.1355** | **1.2316** | **1.0346** | **7.3900e-003** | | **0.0936** | **0.0936** | | **0.0936** | **0.0936** | **0.0000** | **1,340.7919** | **1,340.7919** | **0.0257** | **0.0246** | **1,348.7596** |

## 5.3 Energy by Land Use - Electricity

### Unmitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| General Heavy Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 7.8493e+006 | 3,565.9722 | 0.1033 | 0.0214 | 3,574.9194 |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **3,565.9722** | **0.1033** | **0.0214** | **3,574.9194** |

### Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|

| Land Use | kWh/yr | MT/yr | | | |
|---|---|---|---|---|---|
| General Heavy Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 7.8493e+006 | 3,565.9722 | 0.1033 | 0.0214 | 3,574.9194 |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **3,565.9722** | **0.1033** | **0.0214** | **3,574.9194** |

# 6.0 Area Detail

## 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 | 22.2624 | 4.7000e-004 | 0.0520 | 0.0000 | | 1.8000e-004 | 1.8000e-004 | | 1.8000e-004 | 1.8000e-004 | 0.0000 | 0.1018 | 0.1018 | 2.6000e-004 | 0.0000 | 0.1084 |
| Unmitigated | 22.2624 | 4.7000e-004 | 0.0520 | 0.0000 | | 1.8000e-004 | 1.8000e-004 | | 1.8000e-004 | 1.8000e-004 | 0.0000 | 0.1018 | 0.1018 | 2.6000e-004 | 0.0000 | 0.1084 |

## 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 | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 22.2576 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 4.7600e-003 | 4.7000e-004 | 0.0520 | 0.0000 | | 1.8000e-004 | 1.8000e-004 | | 1.8000e-004 | 1.8000e-004 | 0.0000 | 0.1018 | 0.1018 | 2.6000e-004 | 0.0000 | 0.1084 |
| **Total** | **22.2624** | **4.7000e-004** | **0.0520** | **0.0000** | | **1.8000e-004** | **1.8000e-004** | | **1.8000e-004** | **1.8000e-004** | **0.0000** | **0.1018** | **0.1018** | **2.6000e-004** | **0.0000** | **0.1084** |

**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 | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 22.2576 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 4.7600e-003 | 4.7000e-004 | 0.0520 | 0.0000 | | 1.8000e-004 | 1.8000e-004 | | 1.8000e-004 | 1.8000e-004 | 0.0000 | 0.1018 | 0.1018 | 2.6000e-004 | 0.0000 | 0.1084 |
| **Total** | **22.2624** | **4.7000e-004** | **0.0520** | **0.0000** | | **1.8000e-004** | **1.8000e-004** | | **1.8000e-004** | **1.8000e-004** | **0.0000** | **0.1018** | **0.1018** | **2.6000e-004** | **0.0000** | **0.1084** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| Category | MT/yr | | | |

| | | | | |
|---|---|---|---|---|
| Mitigated | 1,114.6192 | 5.8579 | 0.1439 | 1,303.9581 |
| Unmitigated | 1,114.6192 | 5.8579 | 0.1439 | 1,303.9581 |

## 7.2 Water by Land Use

### Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| General Heavy Industry | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 178.833 / 0 | 1,114.6192 | 5.8579 | 0.1439 | 1,303.9581 |
| Manufacturing | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **1,114.6192** | **5.8579** | **0.1439** | **1,303.9581** |

### Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| General Heavy Industry | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 178.833 / 0 | 1,114.6192 | 5.8579 | 0.1439 | 1,303.9581 |
| Manufacturing | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | |
|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **1,114.6192** | **5.8579** | **0.1439** | **1,303.9581** |

# 8.0 Waste Detail

## 8.1 Mitigation Measures Waste

### Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| | MT/yr | | | |
| Mitigated | 194.6541 | 11.5037 | 0.0000 | 482.2474 |
| Unmitigated | 194.6541 | 11.5037 | 0.0000 | 482.2474 |

## 8.2 Waste by Land Use

### Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| General Heavy Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 958.93 | 194.6541 | 11.5037 | 0.0000 | 482.2474 |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | |
|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **194.6541** | **11.5037** | **0.0000** | **482.2474** |

**Mitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| General Heavy Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 958.93 | 194.6541 | 11.5037 | 0.0000 | 482.2474 |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **194.6541** | **11.5037** | **0.0000** | **482.2474** |

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

## 11.0 Vegetation

# SCLA Specifc Plan - Phase Three - Construction Only

**San Bernardino-Mojave Desert County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Heavy Industry | 899.04 | 1000sqft | 183.57 | 899,040.00 | 0 |
| General Light Industry | 773.33 | 1000sqft | 157.90 | 773,330.00 | 0 |
| Manufacturing | 992.92 | 1000sqft | 202.74 | 992,920.00 | 0 |
| Unrefrigerated Warehouse-No Rail | 3,033.75 | 1000sqft | 619.45 | 3,033,750.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.6 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 10 | | | **Operational Year** | 2040 |
| **Utility Company** | Statewide Average | | | | |
| **CO2 Intensity (lb/MWhr)** | 1001.57 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction only.

Land Use - Based of gross lot acreage of 1163.67

Construction Phase - Phase three would occur over approximately 5 years.

Demolition -

Grading - Cut and Fill is balanced.

Architectural Coating - MAQMD Rule 1113 50 g/L VOC content.

Vehicle Trips - Construction Emissions Only.

Consumer Products - Construction Emissions Only.

Area Coating - Construction Emissions Only.

Energy Use - Construction Emissions Only.

Water And Wastewater - Construction Emissions Only.

Solid Waste - Construction Emissions Only.

Construction Off-road Equipment Mitigation - MDAQMD Rule 403.2

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblAreaCoating | Area_Nonresidential_Exterior | 2849520 | 0 |
| tblAreaCoating | Area_Nonresidential_Interior | 8548560 | 0 |
| tblAreaCoating | ReapplicationRatePercent | 10 | 0 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 15 |
| tblConstructionPhase | NumDays | 11,000.00 | 480.00 |
| tblConstructionPhase | NumDays | 155,000.00 | 300.00 |
| tblConstructionPhase | NumDays | 10,000.00 | 160.00 |
| tblConstructionPhase | NumDays | 15,500.00 | 220.00 |
| tblConstructionPhase | NumDays | 11,000.00 | 120.00 |
| tblConstructionPhase | NumDays | 6,000.00 | 140.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 1.17 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 0.82 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |

| | | | |
|---|---|---|---|
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 0.03 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 0.37 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 2.00 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | LDA | 0.57 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT2 | 0.19 | 0.00 |
| tblFleetMix | LHD1 | 9.0200e-003 | 0.00 |
| tblFleetMix | LHD2 | 4.0660e-003 | 0.00 |
| tblFleetMix | MCY | 5.2850e-003 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MH | 5.2300e-004 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | OBUS | 1.3830e-003 | 0.00 |
| tblFleetMix | SBUS | 7.3600e-004 | 0.00 |
| tblFleetMix | UBUS | 1.2770e-003 | 0.00 |
| tblGrading | MaterialExported | 0.00 | 1,257,000.00 |
| tblGrading | MaterialImported | 0.00 | 1,257,000.00 |
| tblLandUse | LotAcreage | 20.64 | 183.57 |
| tblLandUse | LotAcreage | 17.75 | 157.90 |
| tblLandUse | LotAcreage | 22.79 | 202.74 |
| tblLandUse | LotAcreage | 69.65 | 619.45 |
| tblSolidWaste | SolidWasteGenerationRate | 1,114.81 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 1,231.22 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 2,851.72 | 0.00 |

| | | | |
|---|---|---|---|
| tblVehicleTrips | ST_TR | 1.50 | 0.00 |
| tblVehicleTrips | ST_TR | 1.49 | 0.00 |
| tblVehicleTrips | ST_TR | 1.68 | 0.00 |
| tblVehicleTrips | SU_TR | 1.50 | 0.00 |
| tblVehicleTrips | SU_TR | 0.62 | 0.00 |
| tblVehicleTrips | SU_TR | 1.68 | 0.00 |
| tblVehicleTrips | WD_TR | 1.50 | 0.00 |
| tblVehicleTrips | WD_TR | 3.82 | 0.00 |
| tblVehicleTrips | WD_TR | 1.68 | 0.00 |
| tblWater | IndoorWaterUseRate | 207,903,000.00 | 0.00 |
| tblWater | IndoorWaterUseRate | 229,612,750.00 | 0.00 |
| tblWater | IndoorWaterUseRate | 701,554,687.50 | 0.00 |

## 2.0 Emissions Summary

### 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 | | | | | |
| 2035 | 2.1766 | 13.9653 | 20.5750 | 0.0861 | 18.2141 | 0.2916 | 18.5057 | 9.9699 | 0.2915 | 10.2614 | 0.0000 | 8,625.4674 | 8,625.4674 | 0.3520 | 0.0000 | 8,634.2670 |
| 2036 | 7.6426 | 101.8853 | 72.4812 | 0.5824 | 26.1160 | 0.4725 | 26.5171 | 9.9699 | 0.4656 | 10.2614 | 0.0000 | 61,850.0159 | 61,850.0159 | 2.7597 | 0.0000 | 61,919.0075 |
| 2037 | 7.6426 | 77.8275 | 72.4812 | 0.4359 | 26.1160 | 0.4010 | 26.5171 | 7.0705 | 0.3933 | 7.4638 | 0.0000 | 44,641.7554 | 44,641.7554 | 1.5772 | 0.0000 | 44,681.1851 |
| 2038 | 55.9001 | 72.9412 | 56.4782 | 0.4070 | 25.9928 | 0.2132 | 26.2060 | 7.0378 | 0.2056 | 7.2434 | 0.0000 | 41,903.0806 | 41,903.0806 | 1.4740 | 0.0000 | 41,939.9308 |
| 2039 | 55.9001 | 1.0850 | 7.6297 | 0.0293 | 3.9349 | 0.0224 | 3.9572 | 1.0437 | 0.0214 | 1.0651 | 0.0000 | 2,905.0254 | 2,905.0254 | 0.0406 | 0.0000 | 2,906.0412 |
| **Maximum** | **55.9001** | **101.8853** | **72.4812** | **0.5824** | **26.1160** | **0.4725** | **26.5171** | **9.9699** | **0.4656** | **10.2614** | **0.0000** | **61,850.0159** | **61,850.0159** | **2.7597** | **0.0000** | **61,919.0075** |

**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 | | | | | |
| 2035 | 2.1766 | 13.9653 | 20.5750 | 0.0861 | 7.1937 | 0.2916 | 7.4853 | 3.9122 | 0.2915 | 4.2037 | 0.0000 | 8,625.4674 | 8,625.4674 | 0.3520 | 0.0000 | 8,634.2670 |
| 2036 | 7.6426 | 101.8853 | 72.4812 | 0.5824 | 26.1160 | 0.4725 | 26.5171 | 7.0705 | 0.4656 | 7.4638 | 0.0000 | 61,850.0159 | 61,850.0159 | 2.7597 | 0.0000 | 61,919.0075 |
| 2037 | 7.6426 | 77.8275 | 72.4812 | 0.4359 | 26.1160 | 0.4010 | 26.5171 | 7.0705 | 0.3933 | 7.4638 | 0.0000 | 44,641.7553 | 44,641.7553 | 1.5772 | 0.0000 | 44,681.1850 |
| 2038 | 55.9001 | 72.9412 | 56.4782 | 0.4070 | 25.9928 | 0.2132 | 26.2060 | 7.0378 | 0.2056 | 7.2434 | 0.0000 | 41,903.0806 | 41,903.0806 | 1.4740 | 0.0000 | 41,939.9308 |
| 2039 | 55.9001 | 1.0850 | 7.6297 | 0.0293 | 3.9349 | 0.0224 | 3.9572 | 1.0437 | 0.0214 | 1.0651 | 0.0000 | 2,905.0254 | 2,905.0254 | 0.0406 | 0.0000 | 2,906.0412 |
| **Maximum** | **55.9001** | **101.8853** | **72.4812** | **0.5824** | **26.1160** | **0.4725** | **26.5171** | **7.0705** | **0.4656** | **7.4638** | **0.0000** | **61,850.0159** | **61,850.0159** | **2.7597** | **0.0000** | **61,919.0075** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **10.98** | **0.00** | **10.84** | **25.52** | **0.00** | **24.40** | **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 | 122.0124 | 5.1900e-003 | 0.5782 | 4.0000e-005 | | 2.0500e-003 | 2.0500e-003 | | 2.0500e-003 | 2.0500e-003 | | 1.2473 | 1.2473 | 3.2100e-003 | | 1.3276 |
| Energy | 0.7424 | 6.7487 | 5.6689 | 0.0405 | | 0.5129 | 0.5129 | | 0.5129 | 0.5129 | | 8,098.4663 | 8,098.4663 | 0.1552 | 0.1485 | 8,146.5914 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 28.5788 | 0.0000 | 28.5788 | 7.0148 | 0.0000 | 7.0148 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **122.7547** | **6.7539** | **6.2471** | **0.0405** | **28.5788** | **0.5150** | **29.0938** | **7.0148** | **0.5150** | **7.5298** | | **8,099.7136** | **8,099.7136** | **0.1584** | **0.1485** | **8,147.9190** |

**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 | 122.0124 | 5.1900e-003 | 0.5782 | 4.0000e-005 | | 2.0500e-003 | 2.0500e-003 | | 2.0500e-003 | 2.0500e-003 | | 1.2473 | 1.2473 | 3.2100e-003 | | 1.3276 |
| Energy | 0.7424 | 6.7487 | 5.6689 | 0.0405 | | 0.5129 | 0.5129 | | 0.5129 | 0.5129 | | 8,098.4663 | 8,098.4663 | 0.1552 | 0.1485 | 8,146.5914 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 28.5788 | 0.0000 | 28.5788 | 7.0148 | 0.0000 | 7.0148 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| **Total** | **122.7547** | **6.7539** | **6.2471** | **0.0405** | **28.5788** | **0.5150** | **29.0938** | **7.0148** | **0.5150** | **7.5298** | | **8,099.7136** | **8,099.7136** | **0.1584** | **0.1485** | **8,147.9190** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | 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 | Demolition | Demolition | 1/1/2035 | 8/10/2035 | 5 | 160 | |
| 2 | Site Preparation | Site Preparation | 8/11/2035 | 2/22/2036 | 5 | 140 | |
| 3 | Grading | Grading | 2/23/2036 | 12/26/2036 | 5 | 220 | |
| 4 | Building Construction | Building Construction | 12/27/2036 | 2/19/2038 | 5 | 300 | |
| 5 | Paving | Paving | 12/27/2036 | 6/12/2037 | 5 | 120 | |
| 6 | Architectural Coating | Architectural Coating | 2/20/2038 | 12/23/2039 | 5 | 480 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 550**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 8,548,560; Non-Residential Outdoor: 2,849,520; Striped Parking**

## OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Excavators | 3 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| 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 |
| 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 |
| 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 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

## Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 6 | 15.00 | 0.00 | 8,728.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 8 | 20.00 | 0.00 | 157,125.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 2,394.00 | 934.00 | 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 |
| Architectural Coating | 1 | 479.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

## 3.2 Demolition - 2035

**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 | | | | | 11.9527 | 0.0000 | 11.9527 | 1.8101 | 0.0000 | 1.8101 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8311 | 6.9070 | 18.7067 | 0.0462 | | 0.2267 | 0.2267 | | 0.2267 | 0.2267 | | 4,378.5819 | 4,378.5819 | 0.1599 | | 4,382.5795 |
| **Total** | **1.8311** | **6.9070** | **18.7067** | **0.0462** | **11.9527** | **0.2267** | **12.1795** | **1.8101** | **0.2267** | **2.0368** | | **4,378.5819** | **4,378.5819** | **0.1599** | | **4,382.5795** |

**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 | 0.2069 | 7.0480 | 1.6856 | 0.0391 | 0.9544 | 0.0121 | 0.9665 | 0.2617 | 0.0115 | 0.2732 | | 4,164.7275 | 4,164.7275 | 0.1911 | | 4,169.5059 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Worker | 0.0235 | 0.0103 | 0.1827 | 8.2000e-004 | 0.1232 | 3.9000e-004 | 0.1236 | 0.0327 | 3.6000e-004 | 0.0330 | | 82.1580 | 82.1580 | 9.5000e-004 | | 82.1816 |
| **Total** | **0.2304** | **7.0583** | **1.8683** | **0.0399** | **1.0776** | **0.0124** | **1.0901** | **0.2943** | **0.0119** | **0.3062** | | **4,246.8855** | **4,246.8855** | **0.1921** | | **4,251.6875** |

## 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 | | | | | 4.6616 | 0.0000 | 4.6616 | 0.7059 | 0.0000 | 0.7059 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8311 | 6.9070 | 18.7067 | 0.0462 | | 0.2267 | 0.2267 | | 0.2267 | 0.2267 | 0.0000 | 4,378.5819 | 4,378.5819 | 0.1599 | | 4,382.5795 |
| **Total** | **1.8311** | **6.9070** | **18.7067** | **0.0462** | **4.6616** | **0.2267** | **4.8883** | **0.7059** | **0.2267** | **0.9327** | **0.0000** | **4,378.5819** | **4,378.5819** | **0.1599** | | **4,382.5795** |

## 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 | 0.2069 | 7.0480 | 1.6856 | 0.0391 | 0.9544 | 0.0121 | 0.9665 | 0.2617 | 0.0115 | 0.2732 | | 4,164.7275 | 4,164.7275 | 0.1911 | | 4,169.5059 |
| 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 |
| Worker | 0.0235 | 0.0103 | 0.1827 | 8.2000e-004 | 0.1232 | 3.9000e-004 | 0.1236 | 0.0327 | 3.6000e-004 | 0.0330 | | 82.1580 | 82.1580 | 9.5000e-004 | | 82.1816 |
| **Total** | **0.2304** | **7.0583** | **1.8683** | **0.0399** | **1.0776** | **0.0124** | **1.0901** | **0.2943** | **0.0119** | **0.3062** | | **4,246.8855** | **4,246.8855** | **0.1921** | | **4,251.6875** |

## 3.3 Site Preparation - 2035

### 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 | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.1483 | 10.1399 | 15.9731 | 0.0466 | | 0.2911 | 0.2911 | | 0.2911 | 0.2911 | | 4,409.7537 | 4,409.7537 | 0.1889 | | 4,414.4768 |
| **Total** | **2.1483** | **10.1399** | **15.9731** | **0.0466** | **18.0663** | **0.2911** | **18.3574** | **9.9307** | **0.2911** | **10.2218** | | **4,409.7537** | **4,409.7537** | **0.1889** | | **4,414.4768** |

### 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 |
| 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 |
| Worker | 0.0282 | 0.0123 | 0.2193 | 9.9000e-004 | 0.1479 | 4.7000e-004 | 0.1483 | 0.0392 | 4.3000e-004 | 0.0397 | | 98.5896 | 98.5896 | 1.1400e-003 | | 98.6180 |
| **Total** | **0.0282** | **0.0123** | **0.2193** | **9.9000e-004** | **0.1479** | **4.7000e-004** | **0.1483** | **0.0392** | **4.3000e-004** | **0.0397** | | **98.5896** | **98.5896** | **1.1400e-003** | | **98.6180** |

### 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 | | | | | 7.0458 | 0.0000 | 7.0458 | 3.8730 | 0.0000 | 3.8730 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.1483 | 10.1399 | 15.9731 | 0.0466 | | 0.2911 | 0.2911 | | 0.2911 | 0.2911 | 0.0000 | 4,409.7537 | 4,409.7537 | 0.1889 | | 4,414.4768 |
| **Total** | **2.1483** | **10.1399** | **15.9731** | **0.0466** | **7.0458** | **0.2911** | **7.3370** | **3.8730** | **0.2911** | **4.1641** | **0.0000** | **4,409.7537** | **4,409.7537** | **0.1889** | | **4,414.4768** |

**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 |
| 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 |
| Worker | 0.0282 | 0.0123 | 0.2193 | 9.9000e-004 | 0.1479 | 4.7000e-004 | 0.1483 | 0.0392 | 4.3000e-004 | 0.0397 | | 98.5896 | 98.5896 | 1.1400e-003 | | 98.6180 |
| **Total** | **0.0282** | **0.0123** | **0.2193** | **9.9000e-004** | **0.1479** | **4.7000e-004** | **0.1483** | **0.0392** | **4.3000e-004** | **0.0397** | | **98.5896** | **98.5896** | **1.1400e-003** | | **98.6180** |

## 3.3 Site Preparation - 2036

**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 | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.1483 | 10.1399 | 15.9731 | 0.0466 | | 0.2911 | 0.2911 | | 0.2911 | 0.2911 | | 4,409.7537 | 4,409.7537 | 0.1889 | | 4,414.4768 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **2.1483** | **10.1399** | **15.9731** | **0.0466** | **18.0663** | **0.2911** | **18.3574** | **9.9307** | **0.2911** | **10.2218** | | **4,409.7537** | **4,409.7537** | **0.1889** | | **4,414.4768** |

## 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 |
| 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 |
| Worker | 0.0282 | 0.0123 | 0.2193 | 9.9000e-004 | 0.1479 | 4.7000e-004 | 0.1483 | 0.0392 | 4.3000e-004 | 0.0397 | | 98.5896 | 98.5896 | 1.1400e-003 | | 98.6180 |
| **Total** | **0.0282** | **0.0123** | **0.2193** | **9.9000e-004** | **0.1479** | **4.7000e-004** | **0.1483** | **0.0392** | **4.3000e-004** | **0.0397** | | **98.5896** | **98.5896** | **1.1400e-003** | | **98.6180** |

## 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 | | | | | 7.0458 | 0.0000 | 7.0458 | 3.8730 | 0.0000 | 3.8730 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.1483 | 10.1399 | 15.9731 | 0.0466 | | 0.2911 | 0.2911 | | 0.2911 | 0.2911 | 0.0000 | 4,409.7537 | 4,409.7537 | 0.1889 | | 4,414.4768 |
| **Total** | **2.1483** | **10.1399** | **15.9731** | **0.0466** | **7.0458** | **0.2911** | **7.3370** | **3.8730** | **0.2911** | **4.1641** | **0.0000** | **4,409.7537** | **4,409.7537** | **0.1889** | | **4,414.4768** |

## 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 |
| 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 |
| Worker | 0.0282 | 0.0123 | 0.2193 | 9.9000e-004 | 0.1479 | 4.7000e-004 | 0.1483 | 0.0392 | 4.3000e-004 | 0.0397 | | 98.5896 | 98.5896 | 1.1400e-003 | | 98.6180 |
| **Total** | **0.0282** | **0.0123** | **0.2193** | **9.9000e-004** | **0.1479** | **4.7000e-004** | **0.1483** | **0.0392** | **4.3000e-004** | **0.0397** | | **98.5896** | **98.5896** | **1.1400e-003** | | **98.6180** |

## 3.4 Grading - 2036

### 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 | | | | | 10.2791 | 0.0000 | 10.2791 | 3.8397 | 0.0000 | 3.8397 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.9116 | 9.5942 | 22.5250 | 0.0699 | | 0.3142 | 0.3142 | | 0.3142 | 0.3142 | | 7,213.1148 | 7,213.1148 | 0.2560 | | 7,219.5135 |
| **Total** | **2.9116** | **9.5942** | **22.5250** | **0.0699** | **10.2791** | **0.3142** | **10.5933** | **3.8397** | **0.3142** | **4.1539** | | **7,213.1148** | **7,213.1148** | **0.2560** | | **7,219.5135** |

### 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 | 2.7093 | 92.2774 | 22.0684 | 0.5114 | 12.4958 | 0.1578 | 12.6536 | 3.4257 | 0.1509 | 3.5766 | | 54,527.3572 | 54,527.3572 | 2.5025 | | 54,589.9185 |
| 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 |
| Worker | 0.0314 | 0.0137 | 0.2437 | 1.1000e-003 | 0.1643 | 5.2000e-004 | 0.1648 | 0.0436 | 4.8000e-004 | 0.0441 | | 109.5439 | 109.5439 | 1.2600e-003 | | 109.5755 |
| **Total** | **2.7406** | **92.2911** | **22.3121** | **0.5125** | **12.6601** | **0.1583** | **12.8184** | **3.4692** | **0.1514** | **3.6206** | | **54,636.9011** | **54,636.9011** | **2.5037** | | **54,699.4940** |

## 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 | | | | | 4.0089 | 0.0000 | 4.0089 | 1.4975 | 0.0000 | 1.4975 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.9116 | 9.5942 | 22.5250 | 0.0699 | | 0.3142 | 0.3142 | | 0.3142 | 0.3142 | 0.0000 | 7,213.1148 | 7,213.1148 | 0.2560 | | 7,219.5135 |
| **Total** | **2.9116** | **9.5942** | **22.5250** | **0.0699** | **4.0089** | **0.3142** | **4.3231** | **1.4975** | **0.3142** | **1.8117** | **0.0000** | **7,213.1148** | **7,213.1148** | **0.2560** | | **7,219.5135** |

## 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 | 2.7093 | 92.2774 | 22.0684 | 0.5114 | 12.4958 | 0.1578 | 12.6536 | 3.4257 | 0.1509 | 3.5766 | | 54,527.3572 | 54,527.3572 | 2.5025 | | 54,589.9185 |
| 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 |
| Worker | 0.0314 | 0.0137 | 0.2437 | 1.1000e-003 | 0.1643 | 5.2000e-004 | 0.1648 | 0.0436 | 4.8000e-004 | 0.0441 | | 109.5439 | 109.5439 | 1.2600e-003 | | 109.5755 |
| **Total** | **2.7406** | **92.2911** | **22.3121** | **0.5125** | **12.6601** | **0.1583** | **12.8184** | **3.4692** | **0.1514** | **3.6206** | | **54,636.9011** | **54,636.9011** | **2.5037** | | **54,699.4940** |

## 3.5 Building Construction - 2036

### 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 | 1.2168 | 7.1613 | 16.1178 | 0.0310 | | 0.0904 | 0.0904 | | 0.0904 | 0.0904 | | 2,897.5468 | 2,897.5468 | 0.1079 | | 2,900.2448 |
| **Total** | **1.2168** | **7.1613** | **16.1178** | **0.0310** | | **0.0904** | **0.0904** | | **0.0904** | **0.0904** | | **2,897.5468** | **2,897.5468** | **0.1079** | | **2,900.2448** |

### 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 |
| Vendor | 1.5091 | 64.1444 | 11.1955 | 0.2448 | 6.3267 | 0.0605 | 6.3872 | 1.8215 | 0.0578 | 1.8793 | | 25,893.1242 | 25,893.1242 | 1.2150 | | 25,923.4989 |
| Worker | 3.7526 | 1.6354 | 29.1650 | 0.1313 | 19.6661 | 0.0623 | 19.7285 | 5.2164 | 0.0573 | 5.2737 | | 13,112.4097 | 13,112.4097 | 0.1511 | | 13,116.1871 |
| **Total** | **5.2618** | **65.7798** | **40.3604** | **0.3761** | **25.9928** | **0.1228** | **26.1156** | **7.0378** | **0.1151** | **7.1530** | | **39,005.5339** | **39,005.5339** | **1.3661** | | **39,039.6860** |

### 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 | 1.2168 | 7.1613 | 16.1178 | 0.0310 | | 0.0904 | 0.0904 | | 0.0904 | 0.0904 | 0.0000 | 2,897.5468 | 2,897.5468 | 0.1079 | | 2,900.2448 |
| **Total** | **1.2168** | **7.1613** | **16.1178** | **0.0310** | | **0.0904** | **0.0904** | | **0.0904** | **0.0904** | **0.0000** | **2,897.5468** | **2,897.5468** | **0.1079** | | **2,900.2448** |

**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 |
| Vendor | 1.5091 | 64.1444 | 11.1955 | 0.2448 | 6.3267 | 0.0605 | 6.3872 | 1.8215 | 0.0578 | 1.8793 | | 25,893.1242 | 25,893.1242 | 1.2150 | | 25,923.4989 |
| Worker | 3.7526 | 1.6354 | 29.1650 | 0.1313 | 19.6661 | 0.0623 | 19.7285 | 5.2164 | 0.0573 | 5.2737 | | 13,112.4097 | 13,112.4097 | 0.1511 | | 13,116.1871 |
| **Total** | **5.2618** | **65.7798** | **40.3604** | **0.3761** | **25.9928** | **0.1228** | **26.1156** | **7.0378** | **0.1151** | **7.1530** | | **39,005.5339** | **39,005.5339** | **1.3661** | | **39,039.6860** |

## 3.5 Building Construction - 2037

**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 | 1.2168 | 7.1613 | 16.1178 | 0.0310 | | 0.0904 | 0.0904 | | 0.0904 | 0.0904 | | 2,897.5468 | 2,897.5468 | 0.1079 | | 2,900.2448 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **1.2168** | **7.1613** | **16.1178** | **0.0310** | | **0.0904** | **0.0904** | | **0.0904** | **0.0904** | | **2,897.5468** | **2,897.5468** | **0.1079** | | **2,900.2448** |

## 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 |
| Vendor | 1.5091 | 64.1444 | 11.1955 | 0.2448 | 6.3267 | 0.0605 | 6.3872 | 1.8215 | 0.0578 | 1.8793 | | 25,893.1242 | 25,893.1242 | 1.2150 | | 25,923.4989 |
| Worker | 3.7526 | 1.6354 | 29.1650 | 0.1313 | 19.6661 | 0.0623 | 19.7285 | 5.2164 | 0.0573 | 5.2737 | | 13,112.4097 | 13,112.4097 | 0.1511 | | 13,116.1871 |
| **Total** | **5.2618** | **65.7798** | **40.3604** | **0.3761** | **25.9928** | **0.1228** | **26.1156** | **7.0378** | **0.1151** | **7.1530** | | **39,005.5339** | **39,005.5339** | **1.3661** | | **39,039.6860** |

## 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 | 1.2168 | 7.1613 | 16.1178 | 0.0310 | | 0.0904 | 0.0904 | | 0.0904 | 0.0904 | 0.0000 | 2,897.5468 | 2,897.5468 | 0.1079 | | 2,900.2448 |
| **Total** | **1.2168** | **7.1613** | **16.1178** | **0.0310** | | **0.0904** | **0.0904** | | **0.0904** | **0.0904** | **0.0000** | **2,897.5468** | **2,897.5468** | **0.1079** | | **2,900.2448** |

## 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 |
| Vendor | 1.5091 | 64.1444 | 11.1955 | 0.2448 | 6.3267 | 0.0605 | 6.3872 | 1.8215 | 0.0578 | 1.8793 | | 25,893.1242 | 25,893.1242 | 1.2150 | | 25,923.4989 |
| Worker | 3.7526 | 1.6354 | 29.1650 | 0.1313 | 19.6661 | 0.0623 | 19.7285 | 5.2164 | 0.0573 | 5.2737 | | 13,112.4097 | 13,112.4097 | 0.1511 | | 13,116.1871 |
| **Total** | **5.2618** | **65.7798** | **40.3604** | **0.3761** | **25.9928** | **0.1228** | **26.1156** | **7.0378** | **0.1151** | **7.1530** | | **39,005.5339** | **39,005.5339** | **1.3661** | | **39,039.6860** |

## 3.5 Building Construction - 2038

### 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 | 1.2168 | 7.1613 | 16.1178 | 0.0310 | | 0.0904 | 0.0904 | | 0.0904 | 0.0904 | | 2,897.5468 | 2,897.5468 | 0.1079 | | 2,900.2448 |
| **Total** | **1.2168** | **7.1613** | **16.1178** | **0.0310** | | **0.0904** | **0.0904** | | **0.0904** | **0.0904** | | **2,897.5468** | **2,897.5468** | **0.1079** | | **2,900.2448** |

### 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 |
| Vendor | 1.5091 | 64.1444 | 11.1955 | 0.2448 | 6.3267 | 0.0605 | 6.3872 | 1.8215 | 0.0578 | 1.8793 | | 25,893.1242 | 25,893.1242 | 1.2150 | | 25,923.4989 |
| Worker | 3.7526 | 1.6354 | 29.1650 | 0.1313 | 19.6661 | 0.0623 | 19.7285 | 5.2164 | 0.0573 | 5.2737 | | 13,112.4097 | 13,112.4097 | 0.1511 | | 13,116.1871 |
| **Total** | **5.2618** | **65.7798** | **40.3604** | **0.3761** | **25.9928** | **0.1228** | **26.1156** | **7.0378** | **0.1151** | **7.1530** | | **39,005.5339** | **39,005.5339** | **1.3661** | | **39,039.6860** |

## 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 | 1.2168 | 7.1613 | 16.1178 | 0.0310 | | 0.0904 | 0.0904 | | 0.0904 | 0.0904 | 0.0000 | 2,897.5468 | 2,897.5468 | 0.1079 | | 2,900.2448 |
| **Total** | **1.2168** | **7.1613** | **16.1178** | **0.0310** | | **0.0904** | **0.0904** | | **0.0904** | **0.0904** | **0.0000** | **2,897.5468** | **2,897.5468** | **0.1079** | | **2,900.2448** |

## 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 |
| Vendor | 1.5091 | 64.1444 | 11.1955 | 0.2448 | 6.3267 | 0.0605 | 6.3872 | 1.8215 | 0.0578 | 1.8793 | | 25,893.1242 | 25,893.1242 | 1.2150 | | 25,923.4989 |
| Worker | 3.7526 | 1.6354 | 29.1650 | 0.1313 | 19.6661 | 0.0623 | 19.7285 | 5.2164 | 0.0573 | 5.2737 | | 13,112.4097 | 13,112.4097 | 0.1511 | | 13,116.1871 |
| **Total** | **5.2618** | **65.7798** | **40.3604** | **0.3761** | **25.9928** | **0.1228** | **26.1156** | **7.0378** | **0.1151** | **7.1530** | | **39,005.5339** | **39,005.5339** | **1.3661** | | **39,039.6860** |

## 3.6 Paving - 2036

### 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 | 1.1405 | 4.8761 | 15.8203 | 0.0281 | | 0.1874 | 0.1874 | | 0.1874 | 0.1874 | | 2,656.5168 | 2,656.5168 | 0.1022 | | 2,659.0727 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **1.1405** | **4.8761** | **15.8203** | **0.0281** | | **0.1874** | **0.1874** | | **0.1874** | **0.1874** | | **2,656.5168** | **2,656.5168** | **0.1022** | | **2,659.0727** |

### 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 |
| 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 |
| Worker | 0.0235 | 0.0103 | 0.1827 | 8.2000e-004 | 0.1232 | 3.9000e-004 | 0.1236 | 0.0327 | 3.6000e-004 | 0.0330 | | 82.1580 | 82.1580 | 9.5000e-004 | | 82.1816 |
| **Total** | **0.0235** | **0.0103** | **0.1827** | **8.2000e-004** | **0.1232** | **3.9000e-004** | **0.1236** | **0.0327** | **3.6000e-004** | **0.0330** | | **82.1580** | **82.1580** | **9.5000e-004** | | **82.1816** |

### 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 | 1.1405 | 4.8761 | 15.8203 | 0.0281 | | 0.1874 | 0.1874 | | 0.1874 | 0.1874 | 0.0000 | 2,656.5168 | 2,656.5168 | 0.1022 | | 2,659.0726 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **1.1405** | **4.8761** | **15.8203** | **0.0281** | | **0.1874** | **0.1874** | | **0.1874** | **0.1874** | **0.0000** | **2,656.5168** | **2,656.5168** | **0.1022** | | **2,659.0726** |

**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 |
| 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 |
| Worker | 0.0235 | 0.0103 | 0.1827 | 8.2000e-004 | 0.1232 | 3.9000e-004 | 0.1236 | 0.0327 | 3.6000e-004 | 0.0330 | | 82.1580 | 82.1580 | 9.5000e-004 | | 82.1816 |
| **Total** | **0.0235** | **0.0103** | **0.1827** | **8.2000e-004** | **0.1232** | **3.9000e-004** | **0.1236** | **0.0327** | **3.6000e-004** | **0.0330** | | **82.1580** | **82.1580** | **9.5000e-004** | | **82.1816** |

## 3.6 Paving - 2037

**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 | 1.1405 | 4.8761 | 15.8203 | 0.0281 | | 0.1874 | 0.1874 | | 0.1874 | 0.1874 | | 2,656.5168 | 2,656.5168 | 0.1022 | | 2,659.0727 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **1.1405** | **4.8761** | **15.8203** | **0.0281** | | **0.1874** | **0.1874** | | **0.1874** | **0.1874** | | **2,656.5168** | **2,656.5168** | **0.1022** | | **2,659.0727** |

## 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 |
| 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 |
| Worker | 0.0235 | 0.0103 | 0.1827 | 8.2000e-004 | 0.1232 | 3.9000e-004 | 0.1236 | 0.0327 | 3.6000e-004 | 0.0330 | | 82.1580 | 82.1580 | 9.5000e-004 | | 82.1816 |
| **Total** | **0.0235** | **0.0103** | **0.1827** | **8.2000e-004** | **0.1232** | **3.9000e-004** | **0.1236** | **0.0327** | **3.6000e-004** | **0.0330** | | **82.1580** | **82.1580** | **9.5000e-004** | | **82.1816** |

## 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 | 1.1405 | 4.8761 | 15.8203 | 0.0281 | | 0.1874 | 0.1874 | | 0.1874 | 0.1874 | 0.0000 | 2,656.5168 | 2,656.5168 | 0.1022 | | 2,659.0726 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **1.1405** | **4.8761** | **15.8203** | **0.0281** | | **0.1874** | **0.1874** | | **0.1874** | **0.1874** | **0.0000** | **2,656.5168** | **2,656.5168** | **0.1022** | | **2,659.0726** |

## 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 |
| 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 |
| Worker | 0.0235 | 0.0103 | 0.1827 | 8.2000e-004 | 0.1232 | 3.9000e-004 | 0.1236 | 0.0327 | 3.6000e-004 | 0.0330 | | 82.1580 | 82.1580 | 9.5000e-004 | | 82.1816 |
| **Total** | **0.0235** | **0.0103** | **0.1827** | **8.2000e-004** | **0.1232** | **3.9000e-004** | **0.1236** | **0.0327** | **3.6000e-004** | **0.0330** | | **82.1580** | **82.1580** | **9.5000e-004** | | **82.1816** |

## 3.7 Architectural Coating - 2038

### 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 | 55.0314 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1179 | 0.7577 | 1.7943 | 2.9700e-003 | | 9.9000e-003 | 9.9000e-003 | | 9.9000e-003 | 9.9000e-003 | | 281.4481 | 281.4481 | 0.0104 | | 281.7081 |
| **Total** | **55.1492** | **0.7577** | **1.7943** | **2.9700e-003** | | **9.9000e-003** | **9.9000e-003** | | **9.9000e-003** | **9.9000e-003** | | **281.4481** | **281.4481** | **0.0104** | | **281.7081** |

### 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 |
| 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 |
| Worker | 0.7508 | 0.3272 | 5.8354 | 0.0263 | 3.9349 | 0.0125 | 3.9473 | 1.0437 | 0.0115 | 1.0552 | | 2,623.5774 | 2,623.5774 | 0.0302 | | 2,624.3332 |
| **Total** | **0.7508** | **0.3272** | **5.8354** | **0.0263** | **3.9349** | **0.0125** | **3.9473** | **1.0437** | **0.0115** | **1.0552** | | **2,623.5774** | **2,623.5774** | **0.0302** | | **2,624.3332** |

## 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 | 55.0314 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1179 | 0.7577 | 1.7943 | 2.9700e-003 | | 9.9000e-003 | 9.9000e-003 | | 9.9000e-003 | 9.9000e-003 | 0.0000 | 281.4481 | 281.4481 | 0.0104 | | 281.7081 |
| **Total** | **55.1492** | **0.7577** | **1.7943** | **2.9700e-003** | | **9.9000e-003** | **9.9000e-003** | | **9.9000e-003** | **9.9000e-003** | **0.0000** | **281.4481** | **281.4481** | **0.0104** | | **281.7081** |

## 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 |
| 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 |
| Worker | 0.7508 | 0.3272 | 5.8354 | 0.0263 | 3.9349 | 0.0125 | 3.9473 | 1.0437 | 0.0115 | 1.0552 | | 2,623.5774 | 2,623.5774 | 0.0302 | | 2,624.3332 |
| **Total** | **0.7508** | **0.3272** | **5.8354** | **0.0263** | **3.9349** | **0.0125** | **3.9473** | **1.0437** | **0.0115** | **1.0552** | | **2,623.5774** | **2,623.5774** | **0.0302** | | **2,624.3332** |

## 3.7 Architectural Coating - 2039

### 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 | 55.0314 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1179 | 0.7577 | 1.7943 | 2.9700e-003 | | 9.9000e-003 | 9.9000e-003 | | 9.9000e-003 | 9.9000e-003 | | 281.4481 | 281.4481 | 0.0104 | | 281.7081 |
| **Total** | **55.1492** | **0.7577** | **1.7943** | **2.9700e-003** | | **9.9000e-003** | **9.9000e-003** | | **9.9000e-003** | **9.9000e-003** | | **281.4481** | **281.4481** | **0.0104** | | **281.7081** |

### 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 |
| 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 |
| Worker | 0.7508 | 0.3272 | 5.8354 | 0.0263 | 3.9349 | 0.0125 | 3.9473 | 1.0437 | 0.0115 | 1.0552 | | 2,623.5774 | 2,623.5774 | 0.0302 | | 2,624.3332 |
| **Total** | **0.7508** | **0.3272** | **5.8354** | **0.0263** | **3.9349** | **0.0125** | **3.9473** | **1.0437** | **0.0115** | **1.0552** | | **2,623.5774** | **2,623.5774** | **0.0302** | | **2,624.3332** |

### 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 | 55.0314 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1179 | 0.7577 | 1.7943 | 2.9700e-003 | | 9.9000e-003 | 9.9000e-003 | | 9.9000e-003 | 9.9000e-003 | 0.0000 | 281.4481 | 281.4481 | 0.0104 | | 281.7081 |
| **Total** | **55.1492** | **0.7577** | **1.7943** | **2.9700e-003** | | **9.9000e-003** | **9.9000e-003** | | **9.9000e-003** | **9.9000e-003** | **0.0000** | **281.4481** | **281.4481** | **0.0104** | | **281.7081** |

**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 |
| 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 |
| Worker | 0.7508 | 0.3272 | 5.8354 | 0.0263 | 3.9349 | 0.0125 | 3.9473 | 1.0437 | 0.0115 | 1.0552 | | 2,623.5774 | 2,623.5774 | 0.0302 | | 2,624.3332 |
| **Total** | **0.7508** | **0.3272** | **5.8354** | **0.0263** | **3.9349** | **0.0125** | **3.9473** | **1.0437** | **0.0115** | **1.0552** | | **2,623.5774** | **2,623.5774** | **0.0302** | | **2,624.3332** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 28.5788 | 0.0000 | 28.5788 | 7.0148 | 0.0000 | 7.0148 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 28.5788 | 0.0000 | 28.5788 | 7.0148 | 0.0000 | 7.0148 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Heavy Industry | 0.00 | 0.00 | 0.00 | | |
| General Light Industry | 5,390.11 | 1,020.80 | 525.86 | 11,885,418 | 11,885,418 |
| Manufacturing | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | | |
| Total | 5,390.11 | 1,020.80 | 525.86 | 11,885,418 | 11,885,418 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C- | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| General Heavy Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Manufacturing | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Unrefrigerated Warehouse-No | 9.50 | 7.30 | 7.30 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Heavy Industry | 0.571014 | 0.032844 | 0.185115 | 0.100433 | 0.009020 | 0.004066 | 0.018949 | 0.069354 | 0.001383 | 0.001277 | 0.005285 | 0.000736 | 0.000523 |
| General Light Industry | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Manufacturing | 0.571014 | 0.032844 | 0.185115 | 0.100433 | 0.009020 | 0.004066 | 0.018949 | 0.069354 | 0.001383 | 0.001277 | 0.005285 | 0.000736 | 0.000523 |
| Unrefrigerated Warehouse-No Rail | 0.571014 | 0.032844 | 0.185115 | 0.100433 | 0.009020 | 0.004066 | 0.018949 | 0.069354 | 0.001383 | 0.001277 | 0.005285 | 0.000736 | 0.000523 |

# 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 | 0.7424 | 6.7487 | 5.6689 | 0.0405 | | 0.5129 | 0.5129 | | 0.5129 | 0.5129 | | 8,098.4663 | 8,098.4663 | 0.1552 | 0.1485 | 8,146.5914 |
| NaturalGas Unmitigated | 0.7424 | 6.7487 | 5.6689 | 0.0405 | | 0.5129 | 0.5129 | | 0.5129 | 0.5129 | | 8,098.4663 | 8,098.4663 | 0.1552 | 0.1485 | 8,146.5914 |

## 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 | | | | | |
| General Heavy Industry | 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 |
| General Light Industry | 68837 | 0.7424 | 6.7487 | 5.6689 | 0.0405 | | 0.5129 | 0.5129 | | 0.5129 | 0.5129 | | 8,098.4663 | 8,098.4663 | 0.1552 | 0.1485 | 8,146.5914 |
| Manufacturing | 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 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.7424** | **6.7487** | **5.6689** | **0.0405** | | **0.5129** | **0.5129** | | **0.5129** | **0.5129** | | **8,098.4663** | **8,098.4663** | **0.1552** | **0.1485** | **8,146.5914** |

**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 | | | | | |
| General Heavy Industry | 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 |
| General Light Industry | 68.837 | 0.7424 | 6.7487 | 5.6689 | 0.0405 | | 0.5129 | 0.5129 | | 0.5129 | 0.5129 | | 8,098.4663 | 8,098.4663 | 0.1552 | 0.1485 | 8,146.5914 |
| Manufacturing | 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 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.7424** | **6.7487** | **5.6689** | **0.0405** | | **0.5129** | **0.5129** | | **0.5129** | **0.5129** | | **8,098.4663** | **8,098.4663** | **0.1552** | **0.1485** | **8,146.5914** |

# 6.0 Area Detail

## 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 | 122.0124 | 5.1900e-003 | 0.5782 | 4.0000e-005 | | 2.0500e-003 | 2.0500e-003 | | 2.0500e-003 | 2.0500e-003 | | 1.2473 | 1.2473 | 3.2100e-003 | | 1.3276 |
| Unmitigated | 122.0124 | 5.1900e-003 | 0.5782 | 4.0000e-005 | | 2.0500e-003 | 2.0500e-003 | | 2.0500e-003 | 2.0500e-003 | | 1.2473 | 1.2473 | 3.2100e-003 | | 1.3276 |

## 6.2 Area by SubCategory

**Unmitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 121.9595 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0529 | 5.1900e-003 | 0.5782 | 4.0000e-005 | | 2.0500e-003 | 2.0500e-003 | | 2.0500e-003 | 2.0500e-003 | | 1.2473 | 1.2473 | 3.2100e-003 | | 1.3276 |
| **Total** | **122.0124** | **5.1900e-003** | **0.5782** | **4.0000e-005** | | **2.0500e-003** | **2.0500e-003** | | **2.0500e-003** | **2.0500e-003** | | **1.2473** | **1.2473** | **3.2100e-003** | | **1.3276** |

**Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 121.9595 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0529 | 5.1900e-003 | 0.5782 | 4.0000e-005 | | 2.0500e-003 | 2.0500e-003 | | 2.0500e-003 | 2.0500e-003 | | 1.2473 | 1.2473 | 3.2100e-003 | | 1.3276 |
| **Total** | **122.0124** | **5.1900e-003** | **0.5782** | **4.0000e-005** | | **2.0500e-003** | **2.0500e-003** | | **2.0500e-003** | **2.0500e-003** | | **1.2473** | **1.2473** | **3.2100e-003** | | **1.3276** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

## 11.0 Vegetation

# SCLA Specifc Plan - Phase Three - Construction Only

**San Bernardino-Mojave Desert County, Winter**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Heavy Industry | 899.04 | 1000sqft | 183.57 | 899,040.00 | 0 |
| General Light Industry | 773.33 | 1000sqft | 157.90 | 773,330.00 | 0 |
| Manufacturing | 992.92 | 1000sqft | 202.74 | 992,920.00 | 0 |
| Unrefrigerated Warehouse-No Rail | 3,033.75 | 1000sqft | 619.45 | 3,033,750.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.6 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 10 | | | **Operational Year** | 2040 |
| **Utility Company** | Statewide Average | | | | |
| **CO2 Intensity (lb/MWhr)** | 1001.57 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction only.

Land Use - Based of gross lot acreage of 1163.67

Construction Phase - Phase three would occur over approximately 5 years.

Demolition -

Grading - Cut and Fill is balanced.

Architectural Coating - MAQMD Rule 1113 50 g/L VOC content.

Vehicle Trips - Construction Emissions Only.

Consumer Products - Construction Emissions Only.

Area Coating - Construction Emissions Only.

Energy Use - Construction Emissions Only.

Water And Wastewater - Construction Emissions Only.

Solid Waste - Construction Emissions Only.

Construction Off-road Equipment Mitigation - MDAQMD Rule 403.2

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblAreaCoating | Area_Nonresidential_Exterior | 2849520 | 0 |
| tblAreaCoating | Area_Nonresidential_Interior | 8548560 | 0 |
| tblAreaCoating | ReapplicationRatePercent | 10 | 0 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 15 |
| tblConstructionPhase | NumDays | 11,000.00 | 480.00 |
| tblConstructionPhase | NumDays | 155,000.00 | 300.00 |
| tblConstructionPhase | NumDays | 10,000.00 | 160.00 |
| tblConstructionPhase | NumDays | 15,500.00 | 220.00 |
| tblConstructionPhase | NumDays | 11,000.00 | 120.00 |
| tblConstructionPhase | NumDays | 6,000.00 | 140.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 1.17 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 0.82 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |

| | | | |
|---|---|---|---|
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 0.03 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 0.37 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 2.00 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | LDA | 0.57 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT2 | 0.19 | 0.00 |
| tblFleetMix | LHD1 | 9.0200e-003 | 0.00 |
| tblFleetMix | LHD2 | 4.0660e-003 | 0.00 |
| tblFleetMix | MCY | 5.2850e-003 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MH | 5.2300e-004 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | OBUS | 1.3830e-003 | 0.00 |
| tblFleetMix | SBUS | 7.3600e-004 | 0.00 |
| tblFleetMix | UBUS | 1.2770e-003 | 0.00 |
| tblGrading | MaterialExported | 0.00 | 1,257,000.00 |
| tblGrading | MaterialImported | 0.00 | 1,257,000.00 |
| tblLandUse | LotAcreage | 20.64 | 183.57 |
| tblLandUse | LotAcreage | 17.75 | 157.90 |
| tblLandUse | LotAcreage | 22.79 | 202.74 |
| tblLandUse | LotAcreage | 69.65 | 619.45 |
| tblSolidWaste | SolidWasteGenerationRate | 1,114.81 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 1,231.22 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 2,851.72 | 0.00 |

| | | | |
|---|---|---|---|
| tblVehicleTrips | ST_TR | 1.50 | 0.00 |
| tblVehicleTrips | ST_TR | 1.49 | 0.00 |
| tblVehicleTrips | ST_TR | 1.68 | 0.00 |
| tblVehicleTrips | SU_TR | 1.50 | 0.00 |
| tblVehicleTrips | SU_TR | 0.62 | 0.00 |
| tblVehicleTrips | SU_TR | 1.68 | 0.00 |
| tblVehicleTrips | WD_TR | 1.50 | 0.00 |
| tblVehicleTrips | WD_TR | 3.82 | 0.00 |
| tblVehicleTrips | WD_TR | 1.68 | 0.00 |
| tblWater | IndoorWaterUseRate | 207,903,000.00 | 0.00 |
| tblWater | IndoorWaterUseRate | 229,612,750.00 | 0.00 |
| tblWater | IndoorWaterUseRate | 701,554,687.50 | 0.00 |

## 2.0 Emissions Summary

### 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 | | | | | |
| 2035 | 2.1767 | 13.9166 | 20.7102 | 0.0850 | 18.2141 | 0.2916 | 18.5057 | 9.9699 | 0.2915 | 10.2614 | 0.0000 | 8,511.0041 | 8,511.0041 | 0.3662 | 0.0000 | 8,520.1586 |
| 2036 | 7.7523 | 101.2430 | 68.6940 | 0.5693 | 26.1160 | 0.4739 | 26.5180 | 9.9699 | 0.4670 | 10.2614 | 0.0000 | 60,450.9024 | 60,450.9024 | 2.9469 | 0.0000 | 60,524.5750 |
| 2037 | 7.7523 | 77.0315 | 68.6940 | 0.4135 | 26.1160 | 0.4019 | 26.5180 | 7.0705 | 0.3942 | 7.4647 | 0.0000 | 42,352.4494 | 42,352.4494 | 1.6847 | 0.0000 | 42,394.5655 |
| 2038 | 55.9033 | 72.1447 | 52.7258 | 0.3847 | 25.9928 | 0.2142 | 26.2070 | 7.0378 | 0.2064 | 7.2443 | 0.0000 | 39,622.2374 | 39,622.2374 | 1.5816 | 0.0000 | 39,661.7768 |
| 2039 | 55.9033 | 1.0987 | 6.5176 | 0.0265 | 3.9349 | 0.0224 | 3.9572 | 1.0437 | 0.0214 | 1.0651 | 0.0000 | 2,634.7839 | 2,634.7839 | 0.0369 | 0.0000 | 2,635.7067 |
| **Maximum** | **55.9033** | **101.2430** | **68.6940** | **0.5693** | **26.1160** | **0.4739** | **26.5180** | **9.9699** | **0.4670** | **10.2614** | **0.0000** | **60,450.9024** | **60,450.9024** | **2.9469** | **0.0000** | **60,524.5750** |

## 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 | | | | | |
| 2035 | 2.1767 | 13.9166 | 20.7102 | 0.0850 | 7.1937 | 0.2916 | 7.4853 | 3.9122 | 0.2915 | 4.2037 | 0.0000 | 8,511.0041 | 8,511.0041 | 0.3662 | 0.0000 | 8,520.1586 |
| 2036 | 7.7523 | 101.2430 | 68.6940 | 0.5693 | 26.1160 | 0.4739 | 26.5180 | 7.0705 | 0.4670 | 7.4647 | 0.0000 | 60,450.9024 | 60,450.9024 | 2.9469 | 0.0000 | 60,524.5750 |
| 2037 | 7.7523 | 77.0315 | 68.6940 | 0.4135 | 26.1160 | 0.4019 | 26.5180 | 7.0705 | 0.3942 | 7.4647 | 0.0000 | 42,352.4494 | 42,352.4494 | 1.6847 | 0.0000 | 42,394.5655 |
| 2038 | 55.9033 | 72.1447 | 52.7258 | 0.3847 | 25.9928 | 0.2142 | 26.2070 | 7.0378 | 0.2064 | 7.2443 | 0.0000 | 39,622.2374 | 39,622.2374 | 1.5816 | 0.0000 | 39,661.7768 |
| 2039 | 55.9033 | 1.0987 | 6.5176 | 0.0265 | 3.9349 | 0.0224 | 3.9572 | 1.0437 | 0.0214 | 1.0651 | 0.0000 | 2,634.7839 | 2,634.7839 | 0.0369 | 0.0000 | 2,635.7067 |
| **Maximum** | **55.9033** | **101.2430** | **68.6940** | **0.5693** | **26.1160** | **0.4739** | **26.5180** | **7.0705** | **0.4670** | **7.4647** | **0.0000** | **60,450.9024** | **60,450.9024** | **2.9469** | **0.0000** | **60,524.5750** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **10.98** | **0.00** | **10.84** | **25.52** | **0.00** | **24.39** | **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 | 122.0124 | 5.1900e-003 | 0.5782 | 4.0000e-005 | | 2.0500e-003 | 2.0500e-003 | | 2.0500e-003 | 2.0500e-003 | | 1.2473 | 1.2473 | 3.2100e-003 | | 1.3276 |
| Energy | 0.7424 | 6.7487 | 5.6689 | 0.0405 | | 0.5129 | 0.5129 | | 0.5129 | 0.5129 | | 8,098.4663 | 8,098.4663 | 0.1552 | 0.1485 | 8,146.5914 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 28.5788 | 0.0000 | 28.5788 | 7.0148 | 0.0000 | 7.0148 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **122.7547** | **6.7539** | **6.2471** | **0.0405** | **28.5788** | **0.5150** | **29.0938** | **7.0148** | **0.5150** | **7.5298** | | **8,099.7136** | **8,099.7136** | **0.1584** | **0.1485** | **8,147.9190** |

**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 | 122.0124 | 5.1900e-003 | 0.5782 | 4.0000e-005 | | 2.0500e-003 | 2.0500e-003 | | 2.0500e-003 | 2.0500e-003 | | 1.2473 | 1.2473 | 3.2100e-003 | | 1.3276 |
| Energy | 0.7424 | 6.7487 | 5.6689 | 0.0405 | | 0.5129 | 0.5129 | | 0.5129 | 0.5129 | | 8,098.4663 | 8,098.4663 | 0.1552 | 0.1485 | 8,146.5914 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 28.5788 | 0.0000 | 28.5788 | 7.0148 | 0.0000 | 7.0148 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| **Total** | **122.7547** | **6.7539** | **6.2471** | **0.0405** | **28.5788** | **0.5150** | **29.0938** | **7.0148** | **0.5150** | **7.5298** | | **8,099.7136** | **8,099.7136** | **0.1584** | **0.1485** | **8,147.9190** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | 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 | Demolition | Demolition | 1/1/2035 | 8/10/2035 | 5 | 160 | |
| 2 | Site Preparation | Site Preparation | 8/11/2035 | 2/22/2036 | 5 | 140 | |
| 3 | Grading | Grading | 2/23/2036 | 12/26/2036 | 5 | 220 | |
| 4 | Building Construction | Building Construction | 12/27/2036 | 2/19/2038 | 5 | 300 | |
| 5 | Paving | Paving | 12/27/2036 | 6/12/2037 | 5 | 120 | |
| 6 | Architectural Coating | Architectural Coating | 2/20/2038 | 12/23/2039 | 5 | 480 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 550**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 8,548,560; Non-Residential Outdoor: 2,849,520; Striped Parking**

## OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Excavators | 3 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| 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 |
| 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 |
| 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 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

## Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 6 | 15.00 | 0.00 | 8,728.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 8 | 20.00 | 0.00 | 157,125.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 2,394.00 | 934.00 | 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 |
| Architectural Coating | 1 | 479.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

## 3.2 Demolition - 2035

**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 | | | | | 11.9527 | 0.0000 | 11.9527 | 1.8101 | 0.0000 | 1.8101 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8311 | 6.9070 | 18.7067 | 0.0462 | | 0.2267 | 0.2267 | | 0.2267 | 0.2267 | | 4,378.5819 | 4,378.5819 | 0.1599 | | 4,382.5795 |
| **Total** | **1.8311** | **6.9070** | **18.7067** | **0.0462** | **11.9527** | **0.2267** | **12.1795** | **1.8101** | **0.2267** | **2.0368** | | **4,378.5819** | **4,378.5819** | **0.1599** | | **4,382.5795** |

**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 | 0.2163 | 6.9989 | 1.8556 | 0.0381 | 0.9544 | 0.0122 | 0.9666 | 0.2617 | 0.0116 | 0.2733 | | 4,058.7269 | 4,058.7269 | 0.2055 | | 4,063.8631 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Worker | 0.0236 | 0.0107 | 0.1479 | 7.4000e-004 | 0.1232 | 3.9000e-004 | 0.1236 | 0.0327 | 3.6000e-004 | 0.0330 | | 73.6953 | 73.6953 | 8.3000e-004 | | 73.7160 |
| **Total** | **0.2399** | **7.0096** | **2.0035** | **0.0388** | **1.0776** | **0.0126** | **1.0902** | **0.2943** | **0.0120** | **0.3063** | | **4,132.4222** | **4,132.4222** | **0.2063** | | **4,137.5791** |

## 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 | | | | | 4.6616 | 0.0000 | 4.6616 | 0.7059 | 0.0000 | 0.7059 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8311 | 6.9070 | 18.7067 | 0.0462 | | 0.2267 | 0.2267 | | 0.2267 | 0.2267 | 0.0000 | 4,378.5819 | 4,378.5819 | 0.1599 | | 4,382.5795 |
| **Total** | **1.8311** | **6.9070** | **18.7067** | **0.0462** | **4.6616** | **0.2267** | **4.8883** | **0.7059** | **0.2267** | **0.9327** | **0.0000** | **4,378.5819** | **4,378.5819** | **0.1599** | | **4,382.5795** |

## 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 | 0.2163 | 6.9989 | 1.8556 | 0.0381 | 0.9544 | 0.0122 | 0.9666 | 0.2617 | 0.0116 | 0.2733 | | 4,058.7269 | 4,058.7269 | 0.2055 | | 4,063.8631 |
| 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 |
| Worker | 0.0236 | 0.0107 | 0.1479 | 7.4000e-004 | 0.1232 | 3.9000e-004 | 0.1236 | 0.0327 | 3.6000e-004 | 0.0330 | | 73.6953 | 73.6953 | 8.3000e-004 | | 73.7160 |
| **Total** | **0.2399** | **7.0096** | **2.0035** | **0.0388** | **1.0776** | **0.0126** | **1.0902** | **0.2943** | **0.0120** | **0.3063** | | **4,132.4222** | **4,132.4222** | **0.2063** | | **4,137.5791** |

## 3.3 Site Preparation - 2035

### 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 | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.1483 | 10.1399 | 15.9731 | 0.0466 | | 0.2911 | 0.2911 | | 0.2911 | 0.2911 | | 4,409.7537 | 4,409.7537 | 0.1889 | | 4,414.4768 |
| **Total** | **2.1483** | **10.1399** | **15.9731** | **0.0466** | **18.0663** | **0.2911** | **18.3574** | **9.9307** | **0.2911** | **10.2218** | | **4,409.7537** | **4,409.7537** | **0.1889** | | **4,414.4768** |

### 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 |
| 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 |
| Worker | 0.0283 | 0.0128 | 0.1775 | 8.9000e-004 | 0.1479 | 4.7000e-004 | 0.1483 | 0.0392 | 4.3000e-004 | 0.0397 | | 88.4343 | 88.4343 | 1.0000e-003 | | 88.4592 |
| **Total** | **0.0283** | **0.0128** | **0.1775** | **8.9000e-004** | **0.1479** | **4.7000e-004** | **0.1483** | **0.0392** | **4.3000e-004** | **0.0397** | | **88.4343** | **88.4343** | **1.0000e-003** | | **88.4592** |

### 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 | | | | | 7.0458 | 0.0000 | 7.0458 | 3.8730 | 0.0000 | 3.8730 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.1483 | 10.1399 | 15.9731 | 0.0466 | | 0.2911 | 0.2911 | | 0.2911 | 0.2911 | 0.0000 | 4,409.7537 | 4,409.7537 | 0.1889 | | 4,414.4768 |
| **Total** | **2.1483** | **10.1399** | **15.9731** | **0.0466** | **7.0458** | **0.2911** | **7.3370** | **3.8730** | **0.2911** | **4.1641** | **0.0000** | **4,409.7537** | **4,409.7537** | **0.1889** | | **4,414.4768** |

**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 |
| 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 |
| Worker | 0.0283 | 0.0128 | 0.1775 | 8.9000e-004 | 0.1479 | 4.7000e-004 | 0.1483 | 0.0392 | 4.3000e-004 | 0.0397 | | 88.4343 | 88.4343 | 1.0000e-003 | | 88.4592 |
| **Total** | **0.0283** | **0.0128** | **0.1775** | **8.9000e-004** | **0.1479** | **4.7000e-004** | **0.1483** | **0.0392** | **4.3000e-004** | **0.0397** | | **88.4343** | **88.4343** | **1.0000e-003** | | **88.4592** |

## 3.3 Site Preparation - 2036

**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 | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.1483 | 10.1399 | 15.9731 | 0.0466 | | 0.2911 | 0.2911 | | 0.2911 | 0.2911 | | 4,409.7537 | 4,409.7537 | 0.1889 | | 4,414.4768 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **2.1483** | **10.1399** | **15.9731** | **0.0466** | **18.0663** | **0.2911** | **18.3574** | **9.9307** | **0.2911** | **10.2218** | | **4,409.7537** | **4,409.7537** | **0.1889** | | **4,414.4768** |

## 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 |
| 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 |
| Worker | 0.0283 | 0.0128 | 0.1775 | 8.9000e-004 | 0.1479 | 4.7000e-004 | 0.1483 | 0.0392 | 4.3000e-004 | 0.0397 | | 88.4343 | 88.4343 | 1.0000e-003 | | 88.4592 |
| **Total** | **0.0283** | **0.0128** | **0.1775** | **8.9000e-004** | **0.1479** | **4.7000e-004** | **0.1483** | **0.0392** | **4.3000e-004** | **0.0397** | | **88.4343** | **88.4343** | **1.0000e-003** | | **88.4592** |

## 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 | | | | | 7.0458 | 0.0000 | 7.0458 | 3.8730 | 0.0000 | 3.8730 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.1483 | 10.1399 | 15.9731 | 0.0466 | | 0.2911 | 0.2911 | | 0.2911 | 0.2911 | 0.0000 | 4,409.7537 | 4,409.7537 | 0.1889 | | 4,414.4768 |
| **Total** | **2.1483** | **10.1399** | **15.9731** | **0.0466** | **7.0458** | **0.2911** | **7.3370** | **3.8730** | **0.2911** | **4.1641** | **0.0000** | **4,409.7537** | **4,409.7537** | **0.1889** | | **4,414.4768** |

## 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 |
| 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 |
| Worker | 0.0283 | 0.0128 | 0.1775 | 8.9000e-004 | 0.1479 | 4.7000e-004 | 0.1483 | 0.0392 | 4.3000e-004 | 0.0397 | | 88.4343 | 88.4343 | 1.0000e-003 | | 88.4592 |
| **Total** | **0.0283** | **0.0128** | **0.1775** | **8.9000e-004** | **0.1479** | **4.7000e-004** | **0.1483** | **0.0392** | **4.3000e-004** | **0.0397** | | **88.4343** | **88.4343** | **1.0000e-003** | | **88.4592** |

## 3.4 Grading - 2036

### 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 | | | | | 10.2791 | 0.0000 | 10.2791 | 3.8397 | 0.0000 | 3.8397 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.9116 | 9.5942 | 22.5250 | 0.0699 | | 0.3142 | 0.3142 | | 0.3142 | 0.3142 | | 7,213.1148 | 7,213.1148 | 0.2560 | | 7,219.5135 |
| **Total** | **2.9116** | **9.5942** | **22.5250** | **0.0699** | **10.2791** | **0.3142** | **10.5933** | **3.8397** | **0.3142** | **4.1539** | | **7,213.1148** | **7,213.1148** | **0.2560** | | **7,219.5135** |

### 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 | 2.8316 | 91.6345 | 24.2947 | 0.4983 | 12.4958 | 0.1592 | 12.6550 | 3.4257 | 0.1523 | 3.5779 | | 53,139.5273 | 53,139.5273 | 2.6898 | | 53,206.7734 |
| 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 |
| Worker | 0.0315 | 0.0142 | 0.1972 | 9.8000e-004 | 0.1643 | 5.2000e-004 | 0.1648 | 0.0436 | 4.8000e-004 | 0.0441 | | 98.2604 | 98.2604 | 1.1100e-003 | | 98.2880 |
| **Total** | **2.8631** | **91.6488** | **24.4920** | **0.4993** | **12.6601** | **0.1597** | **12.8198** | **3.4692** | **0.1527** | **3.6220** | | **53,237.7877** | **53,237.7877** | **2.6910** | | **53,305.0615** |

## 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 | | | | | 4.0089 | 0.0000 | 4.0089 | 1.4975 | 0.0000 | 1.4975 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.9116 | 9.5942 | 22.5250 | 0.0699 | | 0.3142 | 0.3142 | | 0.3142 | 0.3142 | 0.0000 | 7,213.1148 | 7,213.1148 | 0.2560 | | 7,219.5135 |
| **Total** | **2.9116** | **9.5942** | **22.5250** | **0.0699** | **4.0089** | **0.3142** | **4.3231** | **1.4975** | **0.3142** | **1.8117** | **0.0000** | **7,213.1148** | **7,213.1148** | **0.2560** | | **7,219.5135** |

## 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 | 2.8316 | 91.6345 | 24.2947 | 0.4983 | 12.4958 | 0.1592 | 12.6550 | 3.4257 | 0.1523 | 3.5779 | | 53,139.5273 | 53,139.5273 | 2.6898 | | 53,206.7734 |
| 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 |
| Worker | 0.0315 | 0.0142 | 0.1972 | 9.8000e-004 | 0.1643 | 5.2000e-004 | 0.1648 | 0.0436 | 4.8000e-004 | 0.0441 | | 98.2604 | 98.2604 | 1.1100e-003 | | 98.2880 |
| **Total** | **2.8631** | **91.6488** | **24.4920** | **0.4993** | **12.6601** | **0.1597** | **12.8198** | **3.4692** | **0.1527** | **3.6220** | | **53,237.7877** | **53,237.7877** | **2.6910** | | **53,305.0615** |

## 3.5 Building Construction - 2036

### 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 | 1.2168 | 7.1613 | 16.1178 | 0.0310 | | 0.0904 | 0.0904 | | 0.0904 | 0.0904 | | 2,897.5468 | 2,897.5468 | 0.1079 | | 2,900.2448 |
| **Total** | **1.2168** | **7.1613** | **16.1178** | **0.0310** | | **0.0904** | **0.0904** | | **0.0904** | **0.0904** | | **2,897.5468** | **2,897.5468** | **0.1079** | | **2,900.2448** |

### 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 |
| Vendor | 1.6024 | 63.2790 | 13.0014 | 0.2360 | 6.3267 | 0.0614 | 6.3881 | 1.8215 | 0.0587 | 1.8802 | | 24,962.9244 | 24,962.9244 | 1.3412 | | 24,996.4532 |
| Worker | 3.7689 | 1.7044 | 23.6067 | 0.1178 | 19.6661 | 0.0623 | 19.7285 | 5.2164 | 0.0573 | 5.2737 | | 11,761.7662 | 11,761.7662 | 0.1325 | | 11,765.0789 |
| **Total** | **5.3713** | **64.9834** | **36.6080** | **0.3538** | **25.9928** | **0.1237** | **26.1165** | **7.0378** | **0.1160** | **7.1539** | | **36,724.6906** | **36,724.6906** | **1.4737** | | **36,761.5320** |

### 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 | 1.2168 | 7.1613 | 16.1178 | 0.0310 | | 0.0904 | 0.0904 | | 0.0904 | 0.0904 | 0.0000 | 2,897.5468 | 2,897.5468 | 0.1079 | | 2,900.2448 |
| **Total** | **1.2168** | **7.1613** | **16.1178** | **0.0310** | | **0.0904** | **0.0904** | | **0.0904** | **0.0904** | **0.0000** | **2,897.5468** | **2,897.5468** | **0.1079** | | **2,900.2448** |

**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 |
| Vendor | 1.6024 | 63.2790 | 13.0014 | 0.2360 | 6.3267 | 0.0614 | 6.3881 | 1.8215 | 0.0587 | 1.8802 | | 24,962.9244 | 24,962.9244 | 1.3412 | | 24,996.4532 |
| Worker | 3.7689 | 1.7044 | 23.6067 | 0.1178 | 19.6661 | 0.0623 | 19.7285 | 5.2164 | 0.0573 | 5.2737 | | 11,761.7662 | 11,761.7662 | 0.1325 | | 11,765.0789 |
| **Total** | **5.3713** | **64.9834** | **36.6080** | **0.3538** | **25.9928** | **0.1237** | **26.1165** | **7.0378** | **0.1160** | **7.1539** | | **36,724.6906** | **36,724.6906** | **1.4737** | | **36,761.5320** |

## 3.5 Building Construction - 2037

**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 | 1.2168 | 7.1613 | 16.1178 | 0.0310 | | 0.0904 | 0.0904 | | 0.0904 | 0.0904 | | 2,897.5468 | 2,897.5468 | 0.1079 | | 2,900.2448 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **1.2168** | **7.1613** | **16.1178** | **0.0310** | | **0.0904** | **0.0904** | | **0.0904** | **0.0904** | | **2,897.5468** | **2,897.5468** | **0.1079** | | **2,900.2448** |

## 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 |
| Vendor | 1.6024 | 63.2790 | 13.0014 | 0.2360 | 6.3267 | 0.0614 | 6.3881 | 1.8215 | 0.0587 | 1.8802 | | 24,962.9244 | 24,962.9244 | 1.3412 | | 24,996.4532 |
| Worker | 3.7689 | 1.7044 | 23.6067 | 0.1178 | 19.6661 | 0.0623 | 19.7285 | 5.2164 | 0.0573 | 5.2737 | | 11,761.7662 | 11,761.7662 | 0.1325 | | 11,765.0789 |
| **Total** | **5.3713** | **64.9834** | **36.6080** | **0.3538** | **25.9928** | **0.1237** | **26.1165** | **7.0378** | **0.1160** | **7.1539** | | **36,724.6906** | **36,724.6906** | **1.4737** | | **36,761.5320** |

## 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 | 1.2168 | 7.1613 | 16.1178 | 0.0310 | | 0.0904 | 0.0904 | | 0.0904 | 0.0904 | 0.0000 | 2,897.5468 | 2,897.5468 | 0.1079 | | 2,900.2448 |
| **Total** | **1.2168** | **7.1613** | **16.1178** | **0.0310** | | **0.0904** | **0.0904** | | **0.0904** | **0.0904** | **0.0000** | **2,897.5468** | **2,897.5468** | **0.1079** | | **2,900.2448** |

## 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 |
| Vendor | 1.6024 | 63.2790 | 13.0014 | 0.2360 | 6.3267 | 0.0614 | 6.3881 | 1.8215 | 0.0587 | 1.8802 | | 24,962.9244 | 24,962.9244 | 1.3412 | | 24,996.4532 |
| Worker | 3.7689 | 1.7044 | 23.6067 | 0.1178 | 19.6661 | 0.0623 | 19.7285 | 5.2164 | 0.0573 | 5.2737 | | 11,761.7662 | 11,761.7662 | 0.1325 | | 11,765.0789 |
| **Total** | **5.3713** | **64.9834** | **36.6080** | **0.3538** | **25.9928** | **0.1237** | **26.1165** | **7.0378** | **0.1160** | **7.1539** | | **36,724.6906** | **36,724.6906** | **1.4737** | | **36,761.5320** |

## 3.5 Building Construction - 2038

### 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 | 1.2168 | 7.1613 | 16.1178 | 0.0310 | | 0.0904 | 0.0904 | | 0.0904 | 0.0904 | | 2,897.5468 | 2,897.5468 | 0.1079 | | 2,900.2448 |
| **Total** | **1.2168** | **7.1613** | **16.1178** | **0.0310** | | **0.0904** | **0.0904** | | **0.0904** | **0.0904** | | **2,897.5468** | **2,897.5468** | **0.1079** | | **2,900.2448** |

### 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 |
| Vendor | 1.6024 | 63.2790 | 13.0014 | 0.2360 | 6.3267 | 0.0614 | 6.3881 | 1.8215 | 0.0587 | 1.8802 | | 24,962.9244 | 24,962.9244 | 1.3412 | | 24,996.4532 |
| Worker | 3.7689 | 1.7044 | 23.6067 | 0.1178 | 19.6661 | 0.0623 | 19.7285 | 5.2164 | 0.0573 | 5.2737 | | 11,761.7662 | 11,761.7662 | 0.1325 | | 11,765.0789 |
| **Total** | **5.3713** | **64.9834** | **36.6080** | **0.3538** | **25.9928** | **0.1237** | **26.1165** | **7.0378** | **0.1160** | **7.1539** | | **36,724.6906** | **36,724.6906** | **1.4737** | | **36,761.5320** |

## 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 | 1.2168 | 7.1613 | 16.1178 | 0.0310 | | 0.0904 | 0.0904 | | 0.0904 | 0.0904 | 0.0000 | 2,897.5468 | 2,897.5468 | 0.1079 | | 2,900.2448 |
| **Total** | **1.2168** | **7.1613** | **16.1178** | **0.0310** | | **0.0904** | **0.0904** | | **0.0904** | **0.0904** | **0.0000** | **2,897.5468** | **2,897.5468** | **0.1079** | | **2,900.2448** |

## 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 |
| Vendor | 1.6024 | 63.2790 | 13.0014 | 0.2360 | 6.3267 | 0.0614 | 6.3881 | 1.8215 | 0.0587 | 1.8802 | | 24,962.9244 | 24,962.9244 | 1.3412 | | 24,996.4532 |
| Worker | 3.7689 | 1.7044 | 23.6067 | 0.1178 | 19.6661 | 0.0623 | 19.7285 | 5.2164 | 0.0573 | 5.2737 | | 11,761.7662 | 11,761.7662 | 0.1325 | | 11,765.0789 |
| **Total** | **5.3713** | **64.9834** | **36.6080** | **0.3538** | **25.9928** | **0.1237** | **26.1165** | **7.0378** | **0.1160** | **7.1539** | | **36,724.6906** | **36,724.6906** | **1.4737** | | **36,761.5320** |

## 3.6 Paving - 2036

### 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 | 1.1405 | 4.8761 | 15.8203 | 0.0281 | | 0.1874 | 0.1874 | | 0.1874 | 0.1874 | | 2,656.5168 | 2,656.5168 | 0.1022 | | 2,659.0727 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **1.1405** | **4.8761** | **15.8203** | **0.0281** | | **0.1874** | **0.1874** | | **0.1874** | **0.1874** | | **2,656.5168** | **2,656.5168** | **0.1022** | | **2,659.0727** |

### 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 |
| 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 |
| Worker | 0.0236 | 0.0107 | 0.1479 | 7.4000e-004 | 0.1232 | 3.9000e-004 | 0.1236 | 0.0327 | 3.6000e-004 | 0.0330 | | 73.6953 | 73.6953 | 8.3000e-004 | | 73.7160 |
| **Total** | **0.0236** | **0.0107** | **0.1479** | **7.4000e-004** | **0.1232** | **3.9000e-004** | **0.1236** | **0.0327** | **3.6000e-004** | **0.0330** | | **73.6953** | **73.6953** | **8.3000e-004** | | **73.7160** |

### 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 | 1.1405 | 4.8761 | 15.8203 | 0.0281 | | 0.1874 | 0.1874 | | 0.1874 | 0.1874 | 0.0000 | 2,656.5168 | 2,656.5168 | 0.1022 | | 2,659.0726 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **1.1405** | **4.8761** | **15.8203** | **0.0281** | | **0.1874** | **0.1874** | | **0.1874** | **0.1874** | **0.0000** | **2,656.5168** | **2,656.5168** | **0.1022** | | **2,659.0726** |

**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 |
| 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 |
| Worker | 0.0236 | 0.0107 | 0.1479 | 7.4000e-004 | 0.1232 | 3.9000e-004 | 0.1236 | 0.0327 | 3.6000e-004 | 0.0330 | | 73.6953 | 73.6953 | 8.3000e-004 | | 73.7160 |
| **Total** | **0.0236** | **0.0107** | **0.1479** | **7.4000e-004** | **0.1232** | **3.9000e-004** | **0.1236** | **0.0327** | **3.6000e-004** | **0.0330** | | **73.6953** | **73.6953** | **8.3000e-004** | | **73.7160** |

## 3.6 Paving - 2037

**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 | 1.1405 | 4.8761 | 15.8203 | 0.0281 | | 0.1874 | 0.1874 | | 0.1874 | 0.1874 | | 2,656.5168 | 2,656.5168 | 0.1022 | | 2,659.0727 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **1.1405** | **4.8761** | **15.8203** | **0.0281** | | **0.1874** | **0.1874** | | **0.1874** | **0.1874** | | **2,656.5168** | **2,656.5168** | **0.1022** | | **2,659.0727** |

## 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 |
| 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 |
| Worker | 0.0236 | 0.0107 | 0.1479 | 7.4000e-004 | 0.1232 | 3.9000e-004 | 0.1236 | 0.0327 | 3.6000e-004 | 0.0330 | | 73.6953 | 73.6953 | 8.3000e-004 | | 73.7160 |
| **Total** | **0.0236** | **0.0107** | **0.1479** | **7.4000e-004** | **0.1232** | **3.9000e-004** | **0.1236** | **0.0327** | **3.6000e-004** | **0.0330** | | **73.6953** | **73.6953** | **8.3000e-004** | | **73.7160** |

## 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 | 1.1405 | 4.8761 | 15.8203 | 0.0281 | | 0.1874 | 0.1874 | | 0.1874 | 0.1874 | 0.0000 | 2,656.5168 | 2,656.5168 | 0.1022 | | 2,659.0726 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **1.1405** | **4.8761** | **15.8203** | **0.0281** | | **0.1874** | **0.1874** | | **0.1874** | **0.1874** | **0.0000** | **2,656.5168** | **2,656.5168** | **0.1022** | | **2,659.0726** |

## 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 |
| 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 |
| Worker | 0.0236 | 0.0107 | 0.1479 | 7.4000e-004 | 0.1232 | 3.9000e-004 | 0.1236 | 0.0327 | 3.6000e-004 | 0.0330 | | 73.6953 | 73.6953 | 8.3000e-004 | | 73.7160 |
| **Total** | **0.0236** | **0.0107** | **0.1479** | **7.4000e-004** | **0.1232** | **3.9000e-004** | **0.1236** | **0.0327** | **3.6000e-004** | **0.0330** | | **73.6953** | **73.6953** | **8.3000e-004** | | **73.7160** |

## 3.7 Architectural Coating - 2038

### 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 | 55.0314 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1179 | 0.7577 | 1.7943 | 2.9700e-003 | | 9.9000e-003 | 9.9000e-003 | | 9.9000e-003 | 9.9000e-003 | | 281.4481 | 281.4481 | 0.0104 | | 281.7081 |
| **Total** | **55.1492** | **0.7577** | **1.7943** | **2.9700e-003** | | **9.9000e-003** | **9.9000e-003** | | **9.9000e-003** | **9.9000e-003** | | **281.4481** | **281.4481** | **0.0104** | | **281.7081** |

### 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 |
| 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 |
| Worker | 0.7541 | 0.3410 | 4.7233 | 0.0236 | 3.9349 | 0.0125 | 3.9473 | 1.0437 | 0.0115 | 1.0552 | | 2,353.3358 | 2,353.3358 | 0.0265 | | 2,353.9987 |
| **Total** | **0.7541** | **0.3410** | **4.7233** | **0.0236** | **3.9349** | **0.0125** | **3.9473** | **1.0437** | **0.0115** | **1.0552** | | **2,353.3358** | **2,353.3358** | **0.0265** | | **2,353.9987** |

## 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 | 55.0314 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1179 | 0.7577 | 1.7943 | 2.9700e-003 | | 9.9000e-003 | 9.9000e-003 | | 9.9000e-003 | 9.9000e-003 | 0.0000 | 281.4481 | 281.4481 | 0.0104 | | 281.7081 |
| **Total** | **55.1492** | **0.7577** | **1.7943** | **2.9700e-003** | | **9.9000e-003** | **9.9000e-003** | | **9.9000e-003** | **9.9000e-003** | **0.0000** | **281.4481** | **281.4481** | **0.0104** | | **281.7081** |

## 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 |
| 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 |
| Worker | 0.7541 | 0.3410 | 4.7233 | 0.0236 | 3.9349 | 0.0125 | 3.9473 | 1.0437 | 0.0115 | 1.0552 | | 2,353.3358 | 2,353.3358 | 0.0265 | | 2,353.9987 |
| **Total** | **0.7541** | **0.3410** | **4.7233** | **0.0236** | **3.9349** | **0.0125** | **3.9473** | **1.0437** | **0.0115** | **1.0552** | | **2,353.3358** | **2,353.3358** | **0.0265** | | **2,353.9987** |

## 3.7 Architectural Coating - 2039

### 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 | 55.0314 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1179 | 0.7577 | 1.7943 | 2.9700e-003 | | 9.9000e-003 | 9.9000e-003 | | 9.9000e-003 | 9.9000e-003 | | 281.4481 | 281.4481 | 0.0104 | | 281.7081 |
| **Total** | **55.1492** | **0.7577** | **1.7943** | **2.9700e-003** | | **9.9000e-003** | **9.9000e-003** | | **9.9000e-003** | **9.9000e-003** | | **281.4481** | **281.4481** | **0.0104** | | **281.7081** |

### 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 |
| 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 |
| Worker | 0.7541 | 0.3410 | 4.7233 | 0.0236 | 3.9349 | 0.0125 | 3.9473 | 1.0437 | 0.0115 | 1.0552 | | 2,353.3358 | 2,353.3358 | 0.0265 | | 2,353.9987 |
| **Total** | **0.7541** | **0.3410** | **4.7233** | **0.0236** | **3.9349** | **0.0125** | **3.9473** | **1.0437** | **0.0115** | **1.0552** | | **2,353.3358** | **2,353.3358** | **0.0265** | | **2,353.9987** |

### 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 | 55.0314 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1179 | 0.7577 | 1.7943 | 2.9700e-003 | | 9.9000e-003 | 9.9000e-003 | | 9.9000e-003 | 9.9000e-003 | 0.0000 | 281.4481 | 281.4481 | 0.0104 | | 281.7081 |
| **Total** | **55.1492** | **0.7577** | **1.7943** | **2.9700e-003** | | **9.9000e-003** | **9.9000e-003** | | **9.9000e-003** | **9.9000e-003** | **0.0000** | **281.4481** | **281.4481** | **0.0104** | | **281.7081** |

**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 |
| 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 |
| Worker | 0.7541 | 0.3410 | 4.7233 | 0.0236 | 3.9349 | 0.0125 | 3.9473 | 1.0437 | 0.0115 | 1.0552 | | 2,353.3358 | 2,353.3358 | 0.0265 | | 2,353.9987 |
| **Total** | **0.7541** | **0.3410** | **4.7233** | **0.0236** | **3.9349** | **0.0125** | **3.9473** | **1.0437** | **0.0115** | **1.0552** | | **2,353.3358** | **2,353.3358** | **0.0265** | | **2,353.9987** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 28.5788 | 0.0000 | 28.5788 | 7.0148 | 0.0000 | 7.0148 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 28.5788 | 0.0000 | 28.5788 | 7.0148 | 0.0000 | 7.0148 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Heavy Industry | 0.00 | 0.00 | 0.00 | | |
| General Light Industry | 5,390.11 | 1,020.80 | 525.86 | 11,885,418 | 11,885,418 |
| Manufacturing | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | | |
| Total | 5,390.11 | 1,020.80 | 525.86 | 11,885,418 | 11,885,418 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C- | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| General Heavy Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Manufacturing | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Unrefrigerated Warehouse-No | 9.50 | 7.30 | 7.30 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Heavy Industry | 0.571014 | 0.032844 | 0.185115 | 0.100433 | 0.009020 | 0.004066 | 0.018949 | 0.069354 | 0.001383 | 0.001277 | 0.005285 | 0.000736 | 0.000523 |
| General Light Industry | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Manufacturing | 0.571014 | 0.032844 | 0.185115 | 0.100433 | 0.009020 | 0.004066 | 0.018949 | 0.069354 | 0.001383 | 0.001277 | 0.005285 | 0.000736 | 0.000523 |
| Unrefrigerated Warehouse-No Rail | 0.571014 | 0.032844 | 0.185115 | 0.100433 | 0.009020 | 0.004066 | 0.018949 | 0.069354 | 0.001383 | 0.001277 | 0.005285 | 0.000736 | 0.000523 |

# 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 | 0.7424 | 6.7487 | 5.6689 | 0.0405 | | 0.5129 | 0.5129 | | 0.5129 | 0.5129 | | 8,098.4663 | 8,098.4663 | 0.1552 | 0.1485 | 8,146.5914 |
| NaturalGas Unmitigated | 0.7424 | 6.7487 | 5.6689 | 0.0405 | | 0.5129 | 0.5129 | | 0.5129 | 0.5129 | | 8,098.4663 | 8,098.4663 | 0.1552 | 0.1485 | 8,146.5914 |

## 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 | | | | | |
| General Heavy Industry | 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 |
| General Light Industry | 68837 | 0.7424 | 6.7487 | 5.6689 | 0.0405 | | 0.5129 | 0.5129 | | 0.5129 | 0.5129 | | 8,098.4663 | 8,098.4663 | 0.1552 | 0.1485 | 8,146.5914 |
| Manufacturing | 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 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.7424** | **6.7487** | **5.6689** | **0.0405** | | **0.5129** | **0.5129** | | **0.5129** | **0.5129** | | **8,098.4663** | **8,098.4663** | **0.1552** | **0.1485** | **8,146.5914** |

**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 | | | | | |
| General Heavy Industry | 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 |
| General Light Industry | 68.837 | 0.7424 | 6.7487 | 5.6689 | 0.0405 | | 0.5129 | 0.5129 | | 0.5129 | 0.5129 | | 8,098.4663 | 8,098.4663 | 0.1552 | 0.1485 | 8,146.5914 |
| Manufacturing | 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 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.7424** | **6.7487** | **5.6689** | **0.0405** | | **0.5129** | **0.5129** | | **0.5129** | **0.5129** | | **8,098.4663** | **8,098.4663** | **0.1552** | **0.1485** | **8,146.5914** |

# 6.0 Area Detail

## 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 | 122.0124 | 5.1900e-003 | 0.5782 | 4.0000e-005 | | 2.0500e-003 | 2.0500e-003 | | 2.0500e-003 | 2.0500e-003 | | 1.2473 | 1.2473 | 3.2100e-003 | | 1.3276 |
| Unmitigated | 122.0124 | 5.1900e-003 | 0.5782 | 4.0000e-005 | | 2.0500e-003 | 2.0500e-003 | | 2.0500e-003 | 2.0500e-003 | | 1.2473 | 1.2473 | 3.2100e-003 | | 1.3276 |

## 6.2 Area by SubCategory

**Unmitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 121.9595 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0529 | 5.1900e-003 | 0.5782 | 4.0000e-005 | | 2.0500e-003 | 2.0500e-003 | | 2.0500e-003 | 2.0500e-003 | | 1.2473 | 1.2473 | 3.2100e-003 | | 1.3276 |
| **Total** | **122.0124** | **5.1900e-003** | **0.5782** | **4.0000e-005** | | **2.0500e-003** | **2.0500e-003** | | **2.0500e-003** | **2.0500e-003** | | **1.2473** | **1.2473** | **3.2100e-003** | | **1.3276** |

**Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 121.9595 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0529 | 5.1900e-003 | 0.5782 | 4.0000e-005 | | 2.0500e-003 | 2.0500e-003 | | 2.0500e-003 | 2.0500e-003 | | 1.2473 | 1.2473 | 3.2100e-003 | | 1.3276 |
| **Total** | **122.0124** | **5.1900e-003** | **0.5782** | **4.0000e-005** | | **2.0500e-003** | **2.0500e-003** | | **2.0500e-003** | **2.0500e-003** | | **1.2473** | **1.2473** | **3.2100e-003** | | **1.3276** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

## 11.0 Vegetation

# SCLA Specific Plan - Phase Four - Construction Emissions

**San Bernardino-Mojave Desert County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Heavy Industry | 719.23 | 1000sqft | 166.32 | 719,230.00 | 0 |
| General Light Industry | 388.67 | 1000sqft | 89.88 | 388,670.00 | 0 |
| Manufacturing | 892.71 | 1000sqft | 206.43 | 892,710.00 | 0 |
| Refrigerated Warehouse-No Rail | 2,678.12 | 1000sqft | 619.29 | 2,678,120.00 | 0 |
| Regional Shopping Center | 280.00 | 1000sqft | 64.74 | 280,000.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.6 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 10 | | | **Operational Year** | 2045 |
| **Utility Company** | Statewide Average | | | | |
| **CO2 Intensity (lb/MWhr)** | 1001.57 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Anticipated building sqft and gross lot acreage.

Construction Phase - Anticipated buildout over 5 years.

Demolition -

Grading - Cut & Fill Balanced.

Architectural Coating - MDAQMD Rule 1113 50 g/L VOC limit.

Vehicle Trips - Construction Emissions Only.

Area Coating - Construction Emissions Only.

Energy Use - Construction Emissions Only.

Water And Wastewater - Construction Emissions Only.

Solid Waste - Construction Emissions Only.

Construction Off-road Equipment Mitigation - MDAQMD Rule 403.2

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblAreaCoating | Area_Nonresidential_Interior | 7438095 | 0 |
| tblAreaCoating | ReapplicationRatePercent | 10 | 0 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 15 |
| tblConstructionPhase | NumDays | 11,000.00 | 370.00 |
| tblConstructionPhase | NumDays | 155,000.00 | 400.00 |
| tblConstructionPhase | NumDays | 10,000.00 | 120.00 |
| tblConstructionPhase | NumDays | 15,500.00 | 220.00 |
| tblConstructionPhase | NumDays | 11,000.00 | 100.00 |
| tblConstructionPhase | NumDays | 6,000.00 | 120.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 2.37 | 0.00 |
| tblEnergyUse | LightingElect | 5.61 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |

| | | | |
|---|---|---|---|
| tblEnergyUse | NT24E | 36.52 | 0.00 |
| tblEnergyUse | NT24E | 2.44 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 48.51 | 0.00 |
| tblEnergyUse | NT24NG | 0.30 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 1.06 | 0.00 |
| tblEnergyUse | T24E | 4.58 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 3.25 | 0.00 |
| tblEnergyUse | T24NG | 1.92 | 0.00 |
| tblGrading | MaterialExported | 0.00 | 1,169,500.00 |
| tblGrading | MaterialImported | 0.00 | 1,169,500.00 |
| tblLandUse | LotAcreage | 16.51 | 166.32 |
| tblLandUse | LotAcreage | 8.92 | 89.88 |
| tblLandUse | LotAcreage | 20.49 | 206.43 |
| tblLandUse | LotAcreage | 61.48 | 619.29 |
| tblLandUse | LotAcreage | 6.43 | 64.74 |
| tblSolidWaste | SolidWasteGenerationRate | 891.85 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 481.95 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 1,106.96 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 2,517.43 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 294.00 | 0.00 |
| tblVehicleTrips | ST_TR | 1.50 | 0.00 |

| | | | |
|---|---|---|---|
| tblVehicleTrips | ST_TR | 1.32 | 0.00 |
| tblVehicleTrips | ST_TR | 1.49 | 0.00 |
| tblVehicleTrips | ST_TR | 1.68 | 0.00 |
| tblVehicleTrips | ST_TR | 49.97 | 0.00 |
| tblVehicleTrips | SU_TR | 1.50 | 0.00 |
| tblVehicleTrips | SU_TR | 0.68 | 0.00 |
| tblVehicleTrips | SU_TR | 0.62 | 0.00 |
| tblVehicleTrips | SU_TR | 1.68 | 0.00 |
| tblVehicleTrips | SU_TR | 25.24 | 0.00 |
| tblVehicleTrips | WD_TR | 1.50 | 0.00 |
| tblVehicleTrips | WD_TR | 6.97 | 0.00 |
| tblVehicleTrips | WD_TR | 3.82 | 0.00 |
| tblVehicleTrips | WD_TR | 1.68 | 0.00 |
| tblVehicleTrips | WD_TR | 42.70 | 0.00 |
| tblWater | IndoorWaterUseRate | 166,321,937.50 | 0.00 |
| tblWater | IndoorWaterUseRate | 89,879,937.50 | 0.00 |
| tblWater | IndoorWaterUseRate | 206,439,187.50 | 0.00 |
| tblWater | IndoorWaterUseRate | 619,315,250.00 | 0.00 |
| tblWater | IndoorWaterUseRate | 20,740,306.02 | 0.00 |
| tblWater | OutdoorWaterUseRate | 12,711,800.46 | 0.00 |

## 2.0 Emissions Summary

### 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 | | | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2040 | 0.3553 | 3.4509 | 3.1820 | 0.0207 | 3.8351 | 0.0310 | 3.8661 | 1.1656 | 0.0308 | 1.1964 | 0.0000 | 1,939.8315 | 1,939.8315 | 0.0840 | 0.0000 | 1,941.9308 |
| 2041 | 0.6708 | 11.0028 | 5.7579 | 0.0622 | 3.1230 | 0.0399 | 3.1629 | 0.9268 | 0.0391 | 0.9659 | 0.0000 | 5,951.7980 | 5,951.7980 | 0.2584 | 0.0000 | 5,958.2568 |
| 2042 | 0.6184 | 8.3198 | 5.7799 | 0.0443 | 2.8685 | 0.0218 | 2.8903 | 0.7782 | 0.0211 | 0.7993 | 0.0000 | 4,141.3663 | 4,141.3663 | 0.1516 | 0.0000 | 4,145.1573 |
| 2043 | 3.6600 | 1.9906 | 2.3121 | 0.0120 | 0.7943 | 0.0113 | 0.8056 | 0.2144 | 0.0111 | 0.2255 | 0.0000 | 1,110.1142 | 1,110.1142 | 0.0374 | 0.0000 | 1,111.0494 |
| 2044 | 8.1162 | 0.1262 | 0.6925 | 2.9500e-003 | 0.4289 | 2.0300e-003 | 0.4309 | 0.1139 | 1.9500e-003 | 0.1159 | 0.0000 | 265.1699 | 265.1699 | 3.2100e-003 | 0.0000 | 265.2501 |
| **Maximum** | **8.1162** | **11.0028** | **5.7799** | **0.0622** | **3.8351** | **0.0399** | **3.8661** | **1.1656** | **0.0391** | **1.1964** | **0.0000** | **5,951.7980** | **5,951.7980** | **0.2584** | **0.0000** | **5,958.2568** |

## 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 | | | | | |
| 2040 | 0.3553 | 3.4509 | 3.1820 | 0.0207 | 2.1720 | 0.0310 | 2.2030 | 0.6267 | 0.0308 | 0.6575 | 0.0000 | 1,939.8307 | 1,939.8307 | 0.0840 | 0.0000 | 1,941.9301 |
| 2041 | 0.6708 | 11.0028 | 5.7579 | 0.0622 | 2.5198 | 0.0399 | 2.5597 | 0.7137 | 0.0391 | 0.7528 | 0.0000 | 5,951.7972 | 5,951.7972 | 0.2584 | 0.0000 | 5,958.2560 |
| 2042 | 0.6184 | 8.3198 | 5.7799 | 0.0443 | 2.8685 | 0.0218 | 2.8903 | 0.7782 | 0.0211 | 0.7993 | 0.0000 | 4,141.3659 | 4,141.3659 | 0.1516 | 0.0000 | 4,145.1569 |
| 2043 | 3.6600 | 1.9906 | 2.3121 | 0.0120 | 0.7943 | 0.0113 | 0.8056 | 0.2144 | 0.0111 | 0.2255 | 0.0000 | 1,110.1140 | 1,110.1140 | 0.0374 | 0.0000 | 1,111.0492 |
| 2044 | 8.1162 | 0.1262 | 0.6925 | 2.9500e-003 | 0.4289 | 2.0300e-003 | 0.4309 | 0.1139 | 1.9500e-003 | 0.1159 | 0.0000 | 265.1699 | 265.1699 | 3.2100e-003 | 0.0000 | 265.2501 |
| **Maximum** | **8.1162** | **11.0028** | **5.7799** | **0.0622** | **2.8685** | **0.0399** | **2.8903** | **0.7782** | **0.0391** | **0.7993** | **0.0000** | **5,951.7972** | **5,951.7972** | **0.2584** | **0.0000** | **5,958.2560** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **20.51** | **0.00** | **20.31** | **23.51** | **0.00** | **22.77** | **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 | 1-2-2040 | 4-1-2040 | 0.5734 | 0.5734 |
| 2 | 4-2-2040 | 7-1-2040 | 0.5312 | 0.5312 |

| | | | | |
|---|---|---|---|---|
| 3 | 7-2-2040 | 10-1-2040 | 0.3283 | 0.3283 |
| 4 | 10-2-2040 | 1-1-2041 | 2.3809 | 2.3809 |
| 5 | 1-2-2041 | 4-1-2041 | 3.1455 | 3.1455 |
| 6 | 4-2-2041 | 7-1-2041 | 3.1962 | 3.1962 |
| 7 | 7-2-2041 | 10-1-2041 | 2.9427 | 2.9427 |
| 8 | 10-2-2041 | 1-1-2042 | 2.2290 | 2.2290 |
| 9 | 1-2-2042 | 4-1-2042 | 2.1807 | 2.1807 |
| 10 | 4-2-2042 | 7-1-2042 | 2.2241 | 2.2241 |
| 11 | 7-2-2042 | 10-1-2042 | 2.2483 | 2.2483 |
| 12 | 10-2-2042 | 1-1-2043 | 2.2290 | 2.2290 |
| 13 | 1-2-2043 | 4-1-2043 | 1.8765 | 1.8765 |
| 14 | 4-2-2043 | 7-1-2043 | 0.1525 | 0.1525 |
| 15 | 7-2-2043 | 10-1-2043 | 1.5022 | 1.5022 |
| 16 | 10-2-2043 | 1-1-2044 | 2.0925 | 2.0925 |
| 17 | 1-2-2044 | 4-1-2044 | 2.0698 | 2.0698 |
| 18 | 4-2-2044 | 7-1-2044 | 2.0692 | 2.0692 |
| 19 | 7-2-2044 | 9-30-2044 | 2.0692 | 2.0692 |
| | | Highest | 3.1962 | 3.1962 |

## 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 | 19.3705 | 4.1000e-004 | 0.0453 | 0.0000 | | 1.6000e-004 | 1.6000e-004 | | 1.6000e-004 | 1.6000e-004 | 0.0000 | 0.0886 | 0.0886 | 2.3000e-004 | 0.0000 | 0.0943 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **19.3705** | **4.1000e-004** | **0.0453** | **0.0000** | **0.0000** | **1.6000e-004** | **1.6000e-004** | **0.0000** | **1.6000e-004** | **1.6000e-004** | **0.0000** | **0.0886** | **0.0886** | **2.3000e-004** | **0.0000** | **0.0943** |

### 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 | 19.3705 | 4.1000e-004 | 0.0453 | 0.0000 | | 1.6000e-004 | 1.6000e-004 | | 1.6000e-004 | 1.6000e-004 | 0.0000 | 0.0886 | 0.0886 | 2.3000e-004 | 0.0000 | 0.0943 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **19.3705** | **4.1000e-004** | **0.0453** | **0.0000** | **0.0000** | **1.6000e-004** | **1.6000e-004** | **0.0000** | **1.6000e-004** | **1.6000e-004** | **0.0000** | **0.0886** | **0.0886** | **2.3000e-004** | **0.0000** | **0.0943** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | 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 | Demolition | Demolition | 1/2/2040 | 6/15/2040 | 5 | 120 | |
| 2 | Site Preparation | Site Preparation | 6/16/2040 | 11/30/2040 | 5 | 120 | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | Grading | Grading | 11/1/2040 | 9/4/2041 | 5 | 220 | |
| 4 | Building Construction | Building Construction | 9/5/2041 | 3/18/2043 | 5 | 400 | |
| 5 | Paving | Paving | 3/12/2043 | 7/29/2043 | 5 | 100 | |
| 6 | Architectural Coating | Architectural Coating | 7/30/2043 | 12/28/2044 | 5 | 370 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 550**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 7,438,095; Non-Residential Outdoor: 2,479,365; Striped Parking**

**OffRoad Equipment**

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Excavators | 3 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| 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 |
| 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 |
| 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 |

| | | | | | |
|---|---|---|---|---|---|
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 6 | 15.00 | 0.00 | 9,647.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 8 | 20.00 | 0.00 | 146,188.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 2,055.00 | 813.00 | 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 |
| Architectural Coating | 1 | 411.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

## 3.2 Demolition - 2040

**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 | | | | | 1.0569 | 0.0000 | 1.0569 | 0.1601 | 0.0000 | 0.1601 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1019 | 0.3184 | 1.1147 | 2.7700e-003 | | 9.7700e-003 | 9.7700e-003 | | 9.7700e-003 | 9.7700e-003 | 0.0000 | 238.3310 | 238.3310 | 8.0800e-003 | 0.0000 | 238.5329 |
| **Total** | **0.1019** | **0.3184** | **1.1147** | **2.7700e-003** | **1.0569** | **9.7700e-003** | **1.0667** | **0.1601** | **9.7700e-003** | **0.1698** | **0.0000** | **238.3310** | **238.3310** | **8.0800e-003** | **0.0000** | **238.5329** |

**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 | 0.0188 | 0.6291 | 0.1565 | 3.4200e-003 | 0.0830 | 1.0600e-003 | 0.0841 | 0.0228 | 1.0200e-003 | 0.0238 | 0.0000 | 330.7219 | 330.7219 | 0.0156 | 0.0000 | 331.1124 |
| 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 | 9.6000e-004 | 5.4000e-004 | 7.7800e-003 | 4.0000e-005 | 7.2500e-003 | 2.0000e-005 | 7.2700e-003 | 1.9300e-003 | 2.0000e-005 | 1.9400e-003 | 0.0000 | 3.9248 | 3.9248 | 3.0000e-005 | 0.0000 | 3.9257 |
| **Total** | **0.0197** | **0.6297** | **0.1643** | **3.4600e-003** | **0.0903** | **1.0800e-003** | **0.0913** | **0.0247** | **1.0400e-003** | **0.0258** | **0.0000** | **334.6467** | **334.6467** | **0.0157** | **0.0000** | **335.0380** |

## 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 | | | | | 0.4122 | 0.0000 | 0.4122 | 0.0624 | 0.0000 | 0.0624 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1019 | 0.3184 | 1.1147 | 2.7700e-003 | | 9.7700e-003 | 9.7700e-003 | | 9.7700e-003 | 9.7700e-003 | 0.0000 | 238.3307 | 238.3307 | 8.0800e-003 | 0.0000 | 238.5326 |
| **Total** | **0.1019** | **0.3184** | **1.1147** | **2.7700e-003** | **0.4122** | **9.7700e-003** | **0.4220** | **0.0624** | **9.7700e-003** | **0.0722** | **0.0000** | **238.3307** | **238.3307** | **8.0800e-003** | **0.0000** | **238.5326** |

## 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 | 0.0188 | 0.6291 | 0.1565 | 3.4200e-003 | 0.0830 | 1.0600e-003 | 0.0841 | 0.0228 | 1.0200e-003 | 0.0238 | 0.0000 | 330.7219 | 330.7219 | 0.0156 | 0.0000 | 331.1124 |
| 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 | 9.6000e-004 | 5.4000e-004 | 7.7800e-003 | 4.0000e-005 | 7.2500e-003 | 2.0000e-005 | 7.2700e-003 | 1.9300e-003 | 2.0000e-005 | 1.9400e-003 | 0.0000 | 3.9248 | 3.9248 | 3.0000e-005 | 0.0000 | 3.9257 |
| **Total** | **0.0197** | **0.6297** | **0.1643** | **3.4600e-003** | **0.0903** | **1.0800e-003** | **0.0913** | **0.0247** | **1.0400e-003** | **0.0258** | **0.0000** | **334.6467** | **334.6467** | **0.0157** | **0.0000** | **335.0380** |

## 3.3 Site Preparation - 2040

### 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 | | | | | 1.0840 | 0.0000 | 1.0840 | 0.5958 | 0.0000 | 0.5958 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1179 | 0.4797 | 0.9468 | 2.7900e-003 | | 0.0122 | 0.0122 | | 0.0122 | 0.0122 | 0.0000 | 240.0277 | 240.0277 | 9.2900e-003 | 0.0000 | 240.2600 |
| **Total** | **0.1179** | **0.4797** | **0.9468** | **2.7900e-003** | **1.0840** | **0.0122** | **1.0961** | **0.5958** | **0.0122** | **0.6080** | **0.0000** | **240.0277** | **240.0277** | **9.2900e-003** | **0.0000** | **240.2600** |

### 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 | 1.1600e-003 | 6.5000e-004 | 9.3400e-003 | 5.0000e-005 | 8.7000e-003 | 2.0000e-005 | 8.7200e-003 | 2.3100e-003 | 2.0000e-005 | 2.3300e-003 | 0.0000 | 4.7097 | 4.7097 | 4.0000e-005 | 0.0000 | 4.7108 |
| **Total** | **1.1600e-003** | **6.5000e-004** | **9.3400e-003** | **5.0000e-005** | **8.7000e-003** | **2.0000e-005** | **8.7200e-003** | **2.3100e-003** | **2.0000e-005** | **2.3300e-003** | **0.0000** | **4.7097** | **4.7097** | **4.0000e-005** | **0.0000** | **4.7108** |

## 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 | | | | | 0.4228 | 0.0000 | 0.4228 | 0.2324 | 0.0000 | 0.2324 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1179 | 0.4797 | 0.9468 | 2.7900e-003 | | 0.0122 | 0.0122 | | 0.0122 | 0.0122 | 0.0000 | 240.0274 | 240.0274 | 9.2900e-003 | 0.0000 | 240.2597 |
| **Total** | **0.1179** | **0.4797** | **0.9468** | **2.7900e-003** | **0.4228** | **0.0122** | **0.4349** | **0.2324** | **0.0122** | **0.2445** | **0.0000** | **240.0274** | **240.0274** | **9.2900e-003** | **0.0000** | **240.2597** |

## 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 | 1.1600e-003 | 6.5000e-004 | 9.3400e-003 | 5.0000e-005 | 8.7000e-003 | 2.0000e-005 | 8.7200e-003 | 2.3100e-003 | 2.0000e-005 | 2.3300e-003 | 0.0000 | 4.7097 | 4.7097 | 4.0000e-005 | 0.0000 | 4.7108 |
| **Total** | **1.1600e-003** | **6.5000e-004** | **9.3400e-003** | **5.0000e-005** | **8.7000e-003** | **2.0000e-005** | **8.7200e-003** | **2.3100e-003** | **2.0000e-005** | **2.3300e-003** | **0.0000** | **4.7097** | **4.7097** | **4.0000e-005** | **0.0000** | **4.7108** |

## 3.4 Grading - 2040

### 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 | | | | | 0.5855 | 0.0000 | 0.5855 | 0.1276 | 0.0000 | 0.1276 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0586 | 0.1589 | 0.4797 | 1.5000e-003 | | 4.8400e-003 | 4.8400e-003 | | 4.8400e-003 | 4.8400e-003 | 0.0000 | 140.6879 | 140.6879 | 4.6200e-003 | 0.0000 | 140.8035 |
| **Total** | **0.0586** | **0.1589** | **0.4797** | **1.5000e-003** | **0.5855** | **4.8400e-003** | **0.5903** | **0.1276** | **4.8400e-003** | **0.1324** | **0.0000** | **140.6879** | **140.6879** | **4.6200e-003** | **0.0000** | **140.8035** |

## 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 | 0.0556 | 1.8634 | 0.4635 | 0.0101 | 1.0063 | 3.1400e-003 | 1.0094 | 0.2542 | 3.0100e-003 | 0.2572 | 0.0000 | 979.5534 | 979.5534 | 0.0463 | 0.0000 | 980.7101 |
| 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 | 4.6000e-004 | 2.6000e-004 | 3.7200e-003 | 2.0000e-005 | 3.4700e-003 | 1.0000e-005 | 3.4700e-003 | 9.2000e-004 | 1.0000e-005 | 9.3000e-004 | 0.0000 | 1.8752 | 1.8752 | 2.0000e-005 | 0.0000 | 1.8756 |
| **Total** | **0.0561** | **1.8636** | **0.4672** | **0.0102** | **1.0098** | **3.1500e-003** | **1.0129** | **0.2551** | **3.0200e-003** | **0.2581** | **0.0000** | **981.4286** | **981.4286** | **0.0463** | **0.0000** | **982.5857** |

## 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 | | | | | 0.2283 | 0.0000 | 0.2283 | 0.0497 | 0.0000 | 0.0497 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road | 0.0586 | 0.1589 | 0.4797 | 1.5000e-003 | | 4.8400e-003 | 4.8400e-003 | | 4.8400e-003 | 4.8400e-003 | 0.0000 | 140.6877 | 140.6877 | 4.6200e-003 | 0.0000 | 140.8033 |
| **Total** | **0.0586** | **0.1589** | **0.4797** | **1.5000e-003** | **0.2283** | **4.8400e-003** | **0.2332** | **0.0497** | **4.8400e-003** | **0.0546** | **0.0000** | **140.6877** | **140.6877** | **4.6200e-003** | **0.0000** | **140.8033** |

**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 | 0.0556 | 1.8634 | 0.4635 | 0.0101 | 1.0063 | 3.1400e-003 | 1.0094 | 0.2542 | 3.0100e-003 | 0.2572 | 0.0000 | 979.5534 | 979.5534 | 0.0463 | 0.0000 | 980.7101 |
| 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 | 4.6000e-004 | 2.6000e-004 | 3.7200e-003 | 2.0000e-005 | 3.4700e-003 | 1.0000e-005 | 3.4700e-003 | 9.2000e-004 | 1.0000e-005 | 9.3000e-004 | 0.0000 | 1.8752 | 1.8752 | 2.0000e-005 | 0.0000 | 1.8756 |
| **Total** | **0.0561** | **1.8636** | **0.4672** | **0.0102** | **1.0098** | **3.1500e-003** | **1.0129** | **0.2551** | **3.0200e-003** | **0.2581** | **0.0000** | **981.4286** | **981.4286** | **0.0463** | **0.0000** | **982.5857** |

## 3.4 Grading - 2041

**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 | | | | | 0.9889 | 0.0000 | 0.9889 | 0.3493 | 0.0000 | 0.3493 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.2411 | 0.6539 | 1.9746 | 6.1900e-003 | | 0.0199 | 0.0199 | | 0.0199 | 0.0199 | 0.0000 | 579.1106 | 579.1106 | 0.0190 | 0.0000 | 579.5863 |
| **Total** | **0.2411** | **0.6539** | **1.9746** | **6.1900e-003** | **0.9889** | **0.0199** | **1.0088** | **0.3493** | **0.0199** | **0.3692** | **0.0000** | **579.1106** | **579.1106** | **0.0190** | **0.0000** | **579.5863** |

**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 | 0.2288 | 7.6702 | 1.9077 | 0.0417 | 1.1966 | 0.0129 | 1.2096 | 0.3232 | 0.0124 | 0.3356 | 0.0000 | 4,032.1152 | 4,032.1152 | 0.1905 | 0.0000 | 4,036.8764 |
| 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 | 1.9000e-003 | 1.0700e-003 | 0.0153 | 9.0000e-005 | 0.0143 | 4.0000e-005 | 0.0143 | 3.7900e-003 | 3.0000e-005 | 3.8200e-003 | 0.0000 | 7.7188 | 7.7188 | 7.0000e-005 | 0.0000 | 7.7204 |
| **Total** | **0.2307** | **7.6713** | **1.9230** | **0.0418** | **1.2109** | **0.0130** | **1.2239** | **0.3270** | **0.0124** | **0.3394** | **0.0000** | **4,039.8339** | **4,039.8339** | **0.1905** | **0.0000** | **4,044.5969** |

## 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 | | | | | 0.3857 | 0.0000 | 0.3857 | 0.1362 | 0.0000 | 0.1362 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.2411 | 0.6539 | 1.9746 | 6.1900e-003 | | 0.0199 | 0.0199 | | 0.0199 | 0.0199 | 0.0000 | 579.1099 | 579.1099 | 0.0190 | 0.0000 | 579.5856 |
| **Total** | **0.2411** | **0.6539** | **1.9746** | **6.1900e-003** | **0.3857** | **0.0199** | **0.4056** | **0.1362** | **0.0199** | **0.1562** | **0.0000** | **579.1099** | **579.1099** | **0.0190** | **0.0000** | **579.5856** |

## 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 | 0.2288 | 7.6702 | 1.9077 | 0.0417 | 1.1966 | 0.0129 | 1.2096 | 0.3232 | 0.0124 | 0.3356 | 0.0000 | 4,032.1152 | 4,032.1152 | 0.1905 | 0.0000 | 4,036.8764 |
| 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 | 1.9000e-003 | 1.0700e-003 | 0.0153 | 9.0000e-005 | 0.0143 | 4.0000e-005 | 0.0143 | 3.7900e-003 | 3.0000e-005 | 3.8200e-003 | 0.0000 | 7.7188 | 7.7188 | 7.0000e-005 | 0.0000 | 7.7204 |
| **Total** | **0.2307** | **7.6713** | **1.9230** | **0.0418** | **1.2109** | **0.0130** | **1.2239** | **0.3270** | **0.0124** | **0.3394** | **0.0000** | **4,039.8339** | **4,039.8339** | **0.1905** | **0.0000** | **4,044.5969** |

## 3.5 Building Construction - 2041

### 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 | 0.0503 | 0.2894 | 0.6770 | 1.3000e-003 | | 3.1000e-003 | 3.1000e-003 | | 3.1000e-003 | 3.1000e-003 | 0.0000 | 110.4016 | 110.4016 | 3.9700e-003 | 0.0000 | 110.5008 |
| **Total** | **0.0503** | **0.2894** | **0.6770** | **1.3000e-003** | | **3.1000e-003** | **3.1000e-003** | | **3.1000e-003** | **3.1000e-003** | **0.0000** | **110.4016** | **110.4016** | **3.9700e-003** | **0.0000** | **110.5008** |

### 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 | 0.0563 | 2.3363 | 0.4367 | 8.8200e-003 | 0.2277 | 2.1900e-003 | 0.2299 | 0.0657 | 2.1000e-003 | 0.0678 | 0.0000 | 846.0649 | 846.0649 | 0.0415 | 0.0000 | 847.1030 |
| Worker | 0.0925 | 0.0520 | 0.7466 | 4.1500e-003 | 0.6955 | 1.7300e-003 | 0.6972 | 0.1848 | 1.5900e-003 | 0.1863 | 0.0000 | 376.3870 | 376.3870 | 3.3100e-003 | 0.0000 | 376.4698 |
| **Total** | **0.1487** | **2.3882** | **1.1832** | **0.0130** | **0.9232** | **3.9200e-003** | **0.9271** | **0.2505** | **3.6900e-003** | **0.2541** | **0.0000** | **1,222.4519** | **1,222.4519** | **0.0448** | **0.0000** | **1,223.5728** |

**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 | 0.0503 | 0.2894 | 0.6770 | 1.3000e-003 | | 3.1000e-003 | 3.1000e-003 | | 3.1000e-003 | 3.1000e-003 | 0.0000 | 110.4015 | 110.4015 | 3.9700e-003 | 0.0000 | 110.5007 |
| **Total** | **0.0503** | **0.2894** | **0.6770** | **1.3000e-003** | | **3.1000e-003** | **3.1000e-003** | | **3.1000e-003** | **3.1000e-003** | **0.0000** | **110.4015** | **110.4015** | **3.9700e-003** | **0.0000** | **110.5007** |

**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 | 0.0563 | 2.3363 | 0.4367 | 8.8200e-003 | 0.2277 | 2.1900e-003 | 0.2299 | 0.0657 | 2.1000e-003 | 0.0678 | 0.0000 | 846.0649 | 846.0649 | 0.0415 | 0.0000 | 847.1030 |
| Worker | 0.0925 | 0.0520 | 0.7466 | 4.1500e-003 | 0.6955 | 1.7300e-003 | 0.6972 | 0.1848 | 1.5900e-003 | 0.1863 | 0.0000 | 376.3870 | 376.3870 | 3.3100e-003 | 0.0000 | 376.4698 |
| **Total** | **0.1487** | **2.3882** | **1.1832** | **0.0130** | **0.9232** | **3.9200e-003** | **0.9271** | **0.2505** | **3.6900e-003** | **0.2541** | **0.0000** | **1,222.4519** | **1,222.4519** | **0.0448** | **0.0000** | **1,223.5728** |

## 3.5 Building Construction - 2042

**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 | 0.1562 | 0.8992 | 2.1035 | 4.0400e-003 | | 9.6200e-003 | 9.6200e-003 | | 9.6200e-003 | 9.6200e-003 | 0.0000 | 343.0337 | 343.0337 | 0.0123 | 0.0000 | 343.3419 |
| **Total** | **0.1562** | **0.8992** | **2.1035** | **4.0400e-003** | | **9.6200e-003** | **9.6200e-003** | | **9.6200e-003** | **9.6200e-003** | **0.0000** | **343.0337** | **343.0337** | **0.0123** | **0.0000** | **343.3419** |

## 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 | 0.1748 | 7.2591 | 1.3568 | 0.0274 | 0.7075 | 6.8200e-003 | 0.7143 | 0.2042 | 6.5200e-003 | 0.2107 | 0.0000 | 2,628.8445 | 2,628.8445 | 0.1290 | 0.0000 | 2,632.0699 |
| Worker | 0.2873 | 0.1615 | 2.3197 | 0.0129 | 2.1611 | 5.3900e-003 | 2.1664 | 0.5740 | 4.9500e-003 | 0.5790 | 0.0000 | 1,169.4881 | 1,169.4881 | 0.0103 | 0.0000 | 1,169.7455 |
| **Total** | **0.4622** | **7.4206** | **3.6764** | **0.0403** | **2.8685** | **0.0122** | **2.8807** | **0.7782** | **0.0115** | **0.7897** | **0.0000** | **3,798.3327** | **3,798.3327** | **0.1393** | **0.0000** | **3,801.8154** |

## 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 | 0.1562 | 0.8992 | 2.1035 | 4.0400e-003 | | 9.6200e-003 | 9.6200e-003 | | 9.6200e-003 | 9.6200e-003 | 0.0000 | 343.0333 | 343.0333 | 0.0123 | 0.0000 | 343.3415 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **0.1562** | **0.8992** | **2.1035** | **4.0400e-003** | | **9.6200e-003** | **9.6200e-003** | | **9.6200e-003** | **9.6200e-003** | **0.0000** | **343.0333** | **343.0333** | **0.0123** | **0.0000** | **343.3415** |

**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 | 0.1748 | 7.2591 | 1.3568 | 0.0274 | 0.7075 | 6.8200e-003 | 0.7143 | 0.2042 | 6.5200e-003 | 0.2107 | 0.0000 | 2,628.8445 | 2,628.8445 | 0.1290 | 0.0000 | 2,632.0699 |
| Worker | 0.2873 | 0.1615 | 2.3197 | 0.0129 | 2.1611 | 5.3900e-003 | 2.1664 | 0.5740 | 4.9500e-003 | 0.5790 | 0.0000 | 1,169.4881 | 1,169.4881 | 0.0103 | 0.0000 | 1,169.7455 |
| **Total** | **0.4622** | **7.4206** | **3.6764** | **0.0403** | **2.8685** | **0.0122** | **2.8807** | **0.7782** | **0.0115** | **0.7897** | **0.0000** | **3,798.3327** | **3,798.3327** | **0.1393** | **0.0000** | **3,801.8154** |

## 3.5 Building Construction - 2043

**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 | 0.0329 | 0.1895 | 0.4433 | 8.5000e-004 | | 2.0300e-003 | 2.0300e-003 | | 2.0300e-003 | 2.0300e-003 | 0.0000 | 72.2868 | 72.2868 | 2.6000e-003 | 0.0000 | 72.3517 |
| **Total** | **0.0329** | **0.1895** | **0.4433** | **8.5000e-004** | | **2.0300e-003** | **2.0300e-003** | | **2.0300e-003** | **2.0300e-003** | **0.0000** | **72.2868** | **72.2868** | **2.6000e-003** | **0.0000** | **72.3517** |

**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 | 0.0368 | 1.5297 | 0.2859 | 5.7700e-003 | 0.1491 | 1.4400e-003 | 0.1505 | 0.0430 | 1.3700e-003 | 0.0444 | 0.0000 | 553.9711 | 553.9711 | 0.0272 | 0.0000 | 554.6508 |
| Worker | 0.0606 | 0.0340 | 0.4888 | 2.7200e-003 | 0.4554 | 1.1400e-003 | 0.4565 | 0.1210 | 1.0400e-003 | 0.1220 | 0.0000 | 246.4439 | 246.4439 | 2.1700e-003 | 0.0000 | 246.4981 |
| **Total** | **0.0974** | **1.5637** | **0.7747** | **8.4900e-003** | **0.6045** | **2.5800e-003** | **0.6071** | **0.1640** | **2.4100e-003** | **0.1664** | **0.0000** | **800.4149** | **800.4149** | **0.0294** | **0.0000** | **801.1489** |

## 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 | 0.0329 | 0.1895 | 0.4433 | 8.5000e-004 | | 2.0300e-003 | 2.0300e-003 | | 2.0300e-003 | 2.0300e-003 | 0.0000 | 72.2867 | 72.2867 | 2.6000e-003 | 0.0000 | 72.3517 |
| **Total** | **0.0329** | **0.1895** | **0.4433** | **8.5000e-004** | | **2.0300e-003** | **2.0300e-003** | | **2.0300e-003** | **2.0300e-003** | **0.0000** | **72.2867** | **72.2867** | **2.6000e-003** | **0.0000** | **72.3517** |

## 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 | 0.0368 | 1.5297 | 0.2859 | 5.7700e-003 | 0.1491 | 1.4400e-003 | 0.1505 | 0.0430 | 1.3700e-003 | 0.0444 | 0.0000 | 553.9711 | 553.9711 | 0.0272 | 0.0000 | 554.6508 |
| Worker | 0.0606 | 0.0340 | 0.4888 | 2.7200e-003 | 0.4554 | 1.1400e-003 | 0.4565 | 0.1210 | 1.0400e-003 | 0.1220 | 0.0000 | 246.4439 | 246.4439 | 2.1700e-003 | 0.0000 | 246.4981 |
| **Total** | **0.0974** | **1.5637** | **0.7747** | **8.4900e-003** | **0.6045** | **2.5800e-003** | **0.6071** | **0.1640** | **2.4100e-003** | **0.1664** | **0.0000** | **800.4149** | **800.4149** | **0.0294** | **0.0000** | **801.1489** |

## 3.6 Paving - 2043

### 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 | 0.0506 | 0.1828 | 0.7909 | 1.4000e-003 | | 5.8200e-003 | 5.8200e-003 | | 5.8200e-003 | 5.8200e-003 | 0.0000 | 120.4976 | 120.4976 | 4.0500e-003 | 0.0000 | 120.5988 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0506** | **0.1828** | **0.7909** | **1.4000e-003** | | **5.8200e-003** | **5.8200e-003** | | **5.8200e-003** | **5.8200e-003** | **0.0000** | **120.4976** | **120.4976** | **4.0500e-003** | **0.0000** | **120.5988** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 8.0000e-004 | 4.5000e-004 | 6.4900e-003 | 4.0000e-005 | 6.0400e-003 | 2.0000e-005 | 6.0600e-003 | 1.6100e-003 | 1.0000e-005 | 1.6200e-003 | 0.0000 | 3.2707 | 3.2707 | 3.0000e-005 | 0.0000 | 3.2714 |
| **Total** | **8.0000e-004** | **4.5000e-004** | **6.4900e-003** | **4.0000e-005** | **6.0400e-003** | **2.0000e-005** | **6.0600e-003** | **1.6100e-003** | **1.0000e-005** | **1.6200e-003** | **0.0000** | **3.2707** | **3.2707** | **3.0000e-005** | **0.0000** | **3.2714** |

**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 | 0.0506 | 0.1828 | 0.7909 | 1.4000e-003 | | 5.8200e-003 | 5.8200e-003 | | 5.8200e-003 | 5.8200e-003 | 0.0000 | 120.4974 | 120.4974 | 4.0500e-003 | 0.0000 | 120.5987 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0506** | **0.1828** | **0.7909** | **1.4000e-003** | | **5.8200e-003** | **5.8200e-003** | | **5.8200e-003** | **5.8200e-003** | **0.0000** | **120.4974** | **120.4974** | **4.0500e-003** | **0.0000** | **120.5987** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 8.0000e-004 | 4.5000e-004 | 6.4900e-003 | 4.0000e-005 | 6.0400e-003 | 2.0000e-005 | 6.0600e-003 | 1.6100e-003 | 1.0000e-005 | 1.6200e-003 | 0.0000 | 3.2707 | 3.2707 | 3.0000e-005 | 0.0000 | 3.2714 |
| **Total** | **8.0000e-004** | **4.5000e-004** | **6.4900e-003** | **4.0000e-005** | **6.0400e-003** | **2.0000e-005** | **6.0600e-003** | **1.6100e-003** | **1.0000e-005** | **1.6200e-003** | **0.0000** | **3.2707** | **3.2707** | **3.0000e-005** | **0.0000** | **3.2714** |

## 3.7 Architectural Coating - 2043

**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 | 3.4476 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 6.3800e-003 | 0.0404 | 0.0995 | 1.6000e-004 | | 4.1000e-004 | 4.1000e-004 | | 4.1000e-004 | 4.1000e-004 | 0.0000 | 14.1706 | 14.1706 | 5.0000e-004 | 0.0000 | 14.1830 |
| **Total** | **3.4539** | **0.0404** | **0.0995** | **1.6000e-004** | | **4.1000e-004** | **4.1000e-004** | | **4.1000e-004** | **4.1000e-004** | **0.0000** | **14.1706** | **14.1706** | **5.0000e-004** | **0.0000** | **14.1830** |

## 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 | 0.0244 | 0.0137 | 0.1973 | 1.1000e-003 | 0.1838 | 4.6000e-004 | 0.1843 | 0.0488 | 4.2000e-004 | 0.0493 | 0.0000 | 99.4737 | 99.4737 | 8.8000e-004 | 0.0000 | 99.4956 |
| **Total** | **0.0244** | **0.0137** | **0.1973** | **1.1000e-003** | **0.1838** | **4.6000e-004** | **0.1843** | **0.0488** | **4.2000e-004** | **0.0493** | **0.0000** | **99.4737** | **99.4737** | **8.8000e-004** | **0.0000** | **99.4956** |

## 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 | 3.4476 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road | 6.3800e-003 | 0.0404 | 0.0995 | 1.6000e-004 | | 4.1000e-004 | 4.1000e-004 | | 4.1000e-004 | 4.1000e-004 | 0.0000 | 14.1705 | 14.1705 | 5.0000e-004 | 0.0000 | 14.1830 |
| **Total** | **3.4539** | **0.0404** | **0.0995** | **1.6000e-004** | | **4.1000e-004** | **4.1000e-004** | | **4.1000e-004** | **4.1000e-004** | **0.0000** | **14.1705** | **14.1705** | **5.0000e-004** | **0.0000** | **14.1830** |

**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 | 0.0244 | 0.0137 | 0.1973 | 1.1000e-003 | 0.1838 | 4.6000e-004 | 0.1843 | 0.0488 | 4.2000e-004 | 0.0493 | 0.0000 | 99.4737 | 99.4737 | 8.8000e-004 | 0.0000 | 99.4956 |
| **Total** | **0.0244** | **0.0137** | **0.1973** | **1.1000e-003** | **0.1838** | **4.6000e-004** | **0.1843** | **0.0488** | **4.2000e-004** | **0.0493** | **0.0000** | **99.4737** | **99.4737** | **8.8000e-004** | **0.0000** | **99.4956** |

## 3.7 Architectural Coating - 2044

**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 | 8.0443 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0149 | 0.0942 | 0.2321 | 3.8000e-004 | | 9.6000e-004 | 9.6000e-004 | | 9.6000e-004 | 9.6000e-004 | 0.0000 | 33.0646 | 33.0646 | 1.1600e-003 | 0.0000 | 33.0937 |
| **Total** | **8.0592** | **0.0942** | **0.2321** | **3.8000e-004** | | **9.6000e-004** | **9.6000e-004** | | **9.6000e-004** | **9.6000e-004** | **0.0000** | **33.0646** | **33.0646** | **1.1600e-003** | **0.0000** | **33.0937** |

**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 | 0.0570 | 0.0320 | 0.4604 | 2.5600e-003 | 0.4289 | 1.0700e-003 | 0.4300 | 0.1139 | 9.8000e-004 | 0.1149 | 0.0000 | 232.1053 | 232.1053 | 2.0400e-003 | 0.0000 | 232.1564 |
| **Total** | **0.0570** | **0.0320** | **0.4604** | **2.5600e-003** | **0.4289** | **1.0700e-003** | **0.4300** | **0.1139** | **9.8000e-004** | **0.1149** | **0.0000** | **232.1053** | **232.1053** | **2.0400e-003** | **0.0000** | **232.1564** |

## 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 | 8.0443 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0149 | 0.0942 | 0.2321 | 3.8000e-004 | | 9.6000e-004 | 9.6000e-004 | | 9.6000e-004 | 9.6000e-004 | 0.0000 | 33.0646 | 33.0646 | 1.1600e-003 | 0.0000 | 33.0937 |
| **Total** | **8.0592** | **0.0942** | **0.2321** | **3.8000e-004** | | **9.6000e-004** | **9.6000e-004** | | **9.6000e-004** | **9.6000e-004** | **0.0000** | **33.0646** | **33.0646** | **1.1600e-003** | **0.0000** | **33.0937** |

## 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 | 0.0570 | 0.0320 | 0.4604 | 2.5600e-003 | 0.4289 | 1.0700e-003 | 0.4300 | 0.1139 | 9.8000e-004 | 0.1149 | 0.0000 | 232.1053 | 232.1053 | 2.0400e-003 | 0.0000 | 232.1564 |
| **Total** | **0.0570** | **0.0320** | **0.4604** | **2.5600e-003** | **0.4289** | **1.0700e-003** | **0.4300** | **0.1139** | **9.8000e-004** | **0.1149** | **0.0000** | **232.1053** | **232.1053** | **2.0400e-003** | **0.0000** | **232.1564** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

### 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Heavy Industry | 0.00 | 0.00 | 0.00 | | |
| General Light Industry | 0.00 | 0.00 | 0.00 | | |
| Manufacturing | 0.00 | 0.00 | 0.00 | | |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | | |
| Regional Shopping Center | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

### 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | 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 |
| General Heavy Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Manufacturing | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Refrigerated Warehouse-No Rail | 9.50 | 7.30 | 7.30 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |

### 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Heavy Industry | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |
| General Light Industry | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |
| Manufacturing | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |
| Refrigerated Warehouse-No Rail | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |
| Regional Shopping Center | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

## 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 | | | | | |
| General Heavy Industry | 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 |
| General Light Industry | 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 |
| Manufacturing | 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 |
| Refrigerated Warehouse-No Rail | 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 |
| Regional Shopping Center | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | | | | | |
| General Heavy Industry | 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 |
| General Light Industry | 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 |
| Manufacturing | 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 |
| Refrigerated Warehouse-No Rail | 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 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Regional Shopping Center | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 5.3 Energy by Land Use - Electricity

### Unmitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| General Heavy Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Refrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| General Heavy Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | |
|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

# 6.0 Area Detail

## 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 | 19.3705 | 4.1000e-004 | 0.0453 | 0.0000 | | 1.6000e-004 | 1.6000e-004 | | 1.6000e-004 | 1.6000e-004 | 0.0000 | 0.0886 | 0.0886 | 2.3000e-004 | 0.0000 | 0.0943 |
| Unmitigated | 19.3705 | 4.1000e-004 | 0.0453 | 0.0000 | | 1.6000e-004 | 1.6000e-004 | | 1.6000e-004 | 1.6000e-004 | 0.0000 | 0.0886 | 0.0886 | 2.3000e-004 | 0.0000 | 0.0943 |

## 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 | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 19.3663 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Landscaping | 4.1400e-003 | 4.1000e-004 | 0.0453 | 0.0000 | | 1.6000e-004 | 1.6000e-004 | | 1.6000e-004 | 1.6000e-004 | 0.0000 | 0.0886 | 0.0886 | 2.3000e-004 | 0.0000 | 0.0943 |
| **Total** | **19.3705** | **4.1000e-004** | **0.0453** | **0.0000** | | **1.6000e-004** | **1.6000e-004** | | **1.6000e-004** | **1.6000e-004** | **0.0000** | **0.0886** | **0.0886** | **2.3000e-004** | **0.0000** | **0.0943** |

**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 | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 19.3663 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 4.1400e-003 | 4.1000e-004 | 0.0453 | 0.0000 | | 1.6000e-004 | 1.6000e-004 | | 1.6000e-004 | 1.6000e-004 | 0.0000 | 0.0886 | 0.0886 | 2.3000e-004 | 0.0000 | 0.0943 |
| **Total** | **19.3705** | **4.1000e-004** | **0.0453** | **0.0000** | | **1.6000e-004** | **1.6000e-004** | | **1.6000e-004** | **1.6000e-004** | **0.0000** | **0.0886** | **0.0886** | **2.3000e-004** | **0.0000** | **0.0943** |

# 7.0 Water Detail

## 7.1 Mitigation Measures Water

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| Category | MT/yr | | | |
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

## 7.2 Water by Land Use

### Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| General Heavy Industry | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Refrigerated Warehouse-No Rail | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| General Heavy Industry | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Refrigerated Warehouse-No Rail | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | |
|---|---|---|---|---|---|
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

**Category/Year**

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

### 8.2 Waste by Land Use

**Unmitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| General Heavy Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Refrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | |
|---|---|---|---|---|---|
| Regional Shopping Center | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**Mitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| General Heavy Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Refrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

## 11.0 Vegetation

# SCLA Specific Plan - Phase Four - Construction Emissions

**San Bernardino-Mojave Desert County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Heavy Industry | 719.23 | 1000sqft | 166.32 | 719,230.00 | 0 |
| General Light Industry | 388.67 | 1000sqft | 89.88 | 388,670.00 | 0 |
| Manufacturing | 892.71 | 1000sqft | 206.43 | 892,710.00 | 0 |
| Refrigerated Warehouse-No Rail | 2,678.12 | 1000sqft | 619.29 | 2,678,120.00 | 0 |
| Regional Shopping Center | 280.00 | 1000sqft | 64.74 | 280,000.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.6 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 10 | | | **Operational Year** | 2045 |
| **Utility Company** | Statewide Average | | | | |
| **CO2 Intensity (lb/MWhr)** | 1001.57 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Anticipated building sqft and gross lot acreage.

Construction Phase - Anticipated buildout over 5 years.

Demolition -

Grading - Cut & Fill Balanced.

Architectural Coating - MDAQMD Rule 1113 50 g/L VOC limit.

Vehicle Trips - Construction Emissions Only.

Area Coating - Construction Emissions Only.

Energy Use - Construction Emissions Only.

Water And Wastewater - Construction Emissions Only.

Solid Waste - Construction Emissions Only.

Construction Off-road Equipment Mitigation - MDAQMD Rule 403.2

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblAreaCoating | Area_Nonresidential_Interior | 7438095 | 0 |
| tblAreaCoating | ReapplicationRatePercent | 10 | 0 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 15 |
| tblConstructionPhase | NumDays | 11,000.00 | 370.00 |
| tblConstructionPhase | NumDays | 155,000.00 | 400.00 |
| tblConstructionPhase | NumDays | 10,000.00 | 120.00 |
| tblConstructionPhase | NumDays | 15,500.00 | 220.00 |
| tblConstructionPhase | NumDays | 11,000.00 | 100.00 |
| tblConstructionPhase | NumDays | 6,000.00 | 120.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 2.37 | 0.00 |
| tblEnergyUse | LightingElect | 5.61 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |

| | | | |
|---|---|---|---|
| tblEnergyUse | NT24E | 36.52 | 0.00 |
| tblEnergyUse | NT24E | 2.44 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 48.51 | 0.00 |
| tblEnergyUse | NT24NG | 0.30 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 1.06 | 0.00 |
| tblEnergyUse | T24E | 4.58 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 3.25 | 0.00 |
| tblEnergyUse | T24NG | 1.92 | 0.00 |
| tblGrading | MaterialExported | 0.00 | 1,169,500.00 |
| tblGrading | MaterialImported | 0.00 | 1,169,500.00 |
| tblLandUse | LotAcreage | 16.51 | 166.32 |
| tblLandUse | LotAcreage | 8.92 | 89.88 |
| tblLandUse | LotAcreage | 20.49 | 206.43 |
| tblLandUse | LotAcreage | 61.48 | 619.29 |
| tblLandUse | LotAcreage | 6.43 | 64.74 |
| tblSolidWaste | SolidWasteGenerationRate | 891.85 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 481.95 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 1,106.96 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 2,517.43 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 294.00 | 0.00 |
| tblVehicleTrips | ST_TR | 1.50 | 0.00 |

| | | | |
|---|---|---|---|
| tblVehicleTrips | ST_TR | 1.32 | 0.00 |
| tblVehicleTrips | ST_TR | 1.49 | 0.00 |
| tblVehicleTrips | ST_TR | 1.68 | 0.00 |
| tblVehicleTrips | ST_TR | 49.97 | 0.00 |
| tblVehicleTrips | SU_TR | 1.50 | 0.00 |
| tblVehicleTrips | SU_TR | 0.68 | 0.00 |
| tblVehicleTrips | SU_TR | 0.62 | 0.00 |
| tblVehicleTrips | SU_TR | 1.68 | 0.00 |
| tblVehicleTrips | SU_TR | 25.24 | 0.00 |
| tblVehicleTrips | WD_TR | 1.50 | 0.00 |
| tblVehicleTrips | WD_TR | 6.97 | 0.00 |
| tblVehicleTrips | WD_TR | 3.82 | 0.00 |
| tblVehicleTrips | WD_TR | 1.68 | 0.00 |
| tblVehicleTrips | WD_TR | 42.70 | 0.00 |
| tblWater | IndoorWaterUseRate | 166,321,937.50 | 0.00 |
| tblWater | IndoorWaterUseRate | 89,879,937.50 | 0.00 |
| tblWater | IndoorWaterUseRate | 206,439,187.50 | 0.00 |
| tblWater | IndoorWaterUseRate | 619,315,250.00 | 0.00 |
| tblWater | IndoorWaterUseRate | 20,740,306.02 | 0.00 |
| tblWater | OutdoorWaterUseRate | 12,711,800.46 | 0.00 |

## 2.0 Emissions Summary

### 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 | | | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2040 | 7.2715 | 101.0649 | 59.1016 | 0.5947 | 76.3348 | 0.5741 | 76.9089 | 25.8998 | 0.5678 | 26.4676 | 0.0000 | 62,589.5772 | 62,589.5772 | 2.7072 | 0.0000 | 62,657.2564 |
| 2041 | 5.2846 | 93.0607 | 46.7824 | 0.5472 | 24.0921 | 0.3712 | 24.4633 | 7.5774 | 0.3649 | 7.9423 | 0.0000 | 58,085.4094 | 58,085.4094 | 2.5356 | 0.0000 | 58,148.7995 |
| 2042 | 4.9166 | 63.5165 | 46.7824 | 0.3520 | 22.3884 | 0.1670 | 22.5554 | 6.0632 | 0.1614 | 6.2246 | 0.0000 | 36,223.7576 | 36,223.7576 | 1.2437 | 0.0000 | 36,254.8498 |
| 2043 | 62.7159 | 67.1813 | 62.7539 | 0.3809 | 22.5117 | 0.2837 | 22.7953 | 6.0959 | 0.2781 | 6.3740 | 0.0000 | 38,958.9529 | 38,958.9529 | 1.3337 | 0.0000 | 38,992.2950 |
| 2044 | 62.7159 | 0.9523 | 6.0072 | 0.0246 | 3.3763 | 0.0157 | 3.3920 | 0.8955 | 0.0150 | 0.9106 | 0.0000 | 2,437.2387 | 2,437.2387 | 0.0294 | 0.0000 | 2,437.9739 |
| **Maximum** | **62.7159** | **101.0649** | **62.7539** | **0.5947** | **76.3348** | **0.5741** | **76.9089** | **25.8998** | **0.5678** | **26.4676** | **0.0000** | **62,589.5772** | **62,589.5772** | **2.7072** | **0.0000** | **62,657.2564** |

## 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 | | | | | |
| 2040 | 7.2715 | 101.0649 | 59.1016 | 0.5947 | 59.1123 | 0.5741 | 59.6864 | 17.5102 | 0.5678 | 18.0780 | 0.0000 | 62,589.5772 | 62,589.5772 | 2.7072 | 0.0000 | 62,657.2564 |
| 2041 | 5.2846 | 93.0607 | 46.7824 | 0.5472 | 22.3884 | 0.3712 | 22.5554 | 6.0632 | 0.3649 | 6.2246 | 0.0000 | 58,085.4094 | 58,085.4094 | 2.5356 | 0.0000 | 58,148.7995 |
| 2042 | 4.9166 | 63.5165 | 46.7824 | 0.3520 | 22.3884 | 0.1670 | 22.5554 | 6.0632 | 0.1614 | 6.2246 | 0.0000 | 36,223.7576 | 36,223.7576 | 1.2437 | 0.0000 | 36,254.8498 |
| 2043 | 62.7159 | 67.1813 | 62.7539 | 0.3809 | 22.5117 | 0.2837 | 22.7953 | 6.0959 | 0.2781 | 6.3740 | 0.0000 | 38,958.9529 | 38,958.9529 | 1.3337 | 0.0000 | 38,992.2950 |
| 2044 | 62.7159 | 0.9523 | 6.0072 | 0.0246 | 3.3763 | 0.0157 | 3.3920 | 0.8955 | 0.0150 | 0.9106 | 0.0000 | 2,437.2387 | 2,437.2387 | 0.0294 | 0.0000 | 2,437.9739 |
| **Maximum** | **62.7159** | **101.0649** | **62.7539** | **0.5947** | **59.1123** | **0.5741** | **59.6864** | **17.5102** | **0.5678** | **18.0780** | **0.0000** | **62,589.5772** | **62,589.5772** | **2.7072** | **0.0000** | **62,657.2564** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **12.73** | **0.00** | **12.74** | **21.28** | **0.00** | **21.09** | **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 | 106.1629 | 4.5200e-003 | 0.5031 | 4.0000e-005 | | 1.7800e-003 | 1.7800e-003 | | 1.7800e-003 | 1.7800e-003 | | 1.0852 | 1.0852 | 2.8000e-003 | | 1.1551 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 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** | **106.1629** | **4.5200e-003** | **0.5031** | **4.0000e-005** | **0.0000** | **1.7800e-003** | **1.7800e-003** | **0.0000** | **1.7800e-003** | **1.7800e-003** | | **1.0852** | **1.0852** | **2.8000e-003** | **0.0000** | **1.1551** |

**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 | 106.1629 | 4.5200e-003 | 0.5031 | 4.0000e-005 | | 1.7800e-003 | 1.7800e-003 | | 1.7800e-003 | 1.7800e-003 | | 1.0852 | 1.0852 | 2.8000e-003 | | 1.1551 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 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** | **106.1629** | **4.5200e-003** | **0.5031** | **4.0000e-005** | **0.0000** | **1.7800e-003** | **1.7800e-003** | **0.0000** | **1.7800e-003** | **1.7800e-003** | | **1.0852** | **1.0852** | **2.8000e-003** | **0.0000** | **1.1551** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | 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 | Demolition | Demolition | 1/2/2040 | 6/15/2040 | 5 | 120 | |
| 2 | Site Preparation | Site Preparation | 6/16/2040 | 11/30/2040 | 5 | 120 | |
| 3 | Grading | Grading | 11/1/2040 | 9/4/2041 | 5 | 220 | |
| 4 | Building Construction | Building Construction | 9/5/2041 | 3/18/2043 | 5 | 400 | |
| 5 | Paving | Paving | 3/12/2043 | 7/29/2043 | 5 | 100 | |
| 6 | Architectural Coating | Architectural Coating | 7/30/2043 | 12/28/2044 | 5 | 370 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 550**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 7,438,095; Non-Residential Outdoor: 2,479,365; Striped Parking**

**OffRoad Equipment**

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Excavators | 3 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| 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 |
| 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 |

| | | | | | |
|---|---|---|---|---|---|
| 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 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 6 | 15.00 | 0.00 | 9,647.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 8 | 20.00 | 0.00 | 146,188.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 2,055.00 | 813.00 | 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 |
| Architectural Coating | 1 | 411.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

## 3.2 Demolition - 2040

**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 | | | | | 17.6154 | 0.0000 | 17.6154 | 2.6676 | 0.0000 | 2.6676 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6982 | 5.3064 | 18.5788 | 0.0462 | | 0.1629 | 0.1629 | | 0.1629 | 0.1629 | | 4,378.5819 | 4,378.5819 | 0.1484 | | 4,382.2921 |
| **Total** | **1.6982** | **5.3064** | **18.5788** | **0.0462** | **17.6154** | **0.1629** | **17.7783** | **2.6676** | **0.1629** | **2.8305** | | **4,378.5819** | **4,378.5819** | **0.1484** | | **4,382.2921** |

## 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 | 0.3069 | 10.3635 | 2.4947 | 0.0576 | 1.4066 | 0.0176 | 1.4242 | 0.3856 | 0.0169 | 0.4025 | | 6,141.9585 | 6,141.9585 | 0.2780 | | 6,148.9078 |
| 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 |
| Worker | 0.0176 | 8.2200e-003 | 0.1538 | 7.9000e-004 | 0.1232 | 3.0000e-004 | 0.1235 | 0.0327 | 2.8000e-004 | 0.0330 | | 78.6785 | 78.6785 | 7.1000e-004 | | 78.6963 |
| **Total** | **0.3246** | **10.3717** | **2.6485** | **0.0584** | **1.5298** | **0.0179** | **1.5477** | **0.4183** | **0.0172** | **0.4354** | | **6,220.6370** | **6,220.6370** | **0.2787** | | **6,227.6041** |

## 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 | | | | | 6.8700 | 0.0000 | 6.8700 | 1.0404 | 0.0000 | 1.0404 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6982 | 5.3064 | 18.5788 | 0.0462 | | 0.1629 | 0.1629 | | 0.1629 | 0.1629 | 0.0000 | 4,378.5819 | 4,378.5819 | 0.1484 | | 4,382.2920 |
| **Total** | **1.6982** | **5.3064** | **18.5788** | **0.0462** | **6.8700** | **0.1629** | **7.0329** | **1.0404** | **0.1629** | **1.2033** | **0.0000** | **4,378.5819** | **4,378.5819** | **0.1484** | | **4,382.2920** |

## 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 | 0.3069 | 10.3635 | 2.4947 | 0.0576 | 1.4066 | 0.0176 | 1.4242 | 0.3856 | 0.0169 | 0.4025 | | 6,141.9585 | 6,141.9585 | 0.2780 | | 6,148.9078 |
| 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 |
| Worker | 0.0176 | 8.2200e-003 | 0.1538 | 7.9000e-004 | 0.1232 | 3.0000e-004 | 0.1235 | 0.0327 | 2.8000e-004 | 0.0330 | | 78.6785 | 78.6785 | 7.1000e-004 | | 78.6963 |
| **Total** | **0.3246** | **10.3717** | **2.6485** | **0.0584** | **1.5298** | **0.0179** | **1.5477** | **0.4183** | **0.0172** | **0.4354** | | **6,220.6370** | **6,220.6370** | **0.2787** | | **6,227.6041** |

## 3.3 Site Preparation - 2040

### 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 | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.9657 | 7.9943 | 15.7797 | 0.0466 | | 0.2026 | 0.2026 | | 0.2026 | 0.2026 | | 4,409.7537 | 4,409.7537 | 0.1707 | | 4,414.0214 |
| **Total** | **1.9657** | **7.9943** | **15.7797** | **0.0466** | **18.0663** | **0.2026** | **18.2688** | **9.9307** | **0.2026** | **10.1333** | | **4,409.7537** | **4,409.7537** | **0.1707** | | **4,414.0214** |

### 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 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Worker | 0.0212 | 9.8700e-003 | 0.1846 | 9.5000e-004 | 0.1479 | 3.6000e-004 | 0.1482 | 0.0392 | 3.3000e-004 | 0.0396 | | 94.4142 | 94.4142 | 8.5000e-004 | | 94.4355 |
| **Total** | **0.0212** | **9.8700e-003** | **0.1846** | **9.5000e-004** | **0.1479** | **3.6000e-004** | **0.1482** | **0.0392** | **3.3000e-004** | **0.0396** | | **94.4142** | **94.4142** | **8.5000e-004** | | **94.4355** |

## 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 | | | | | 7.0458 | 0.0000 | 7.0458 | 3.8730 | 0.0000 | 3.8730 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.9657 | 7.9943 | 15.7797 | 0.0466 | | 0.2026 | 0.2026 | | 0.2026 | 0.2026 | 0.0000 | 4,409.7537 | 4,409.7537 | 0.1707 | | 4,414.0214 |
| **Total** | **1.9657** | **7.9943** | **15.7797** | **0.0466** | **7.0458** | **0.2026** | **7.2484** | **3.8730** | **0.2026** | **4.0755** | **0.0000** | **4,409.7537** | **4,409.7537** | **0.1707** | | **4,414.0214** |

## 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 |
| 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 |
| Worker | 0.0212 | 9.8700e-003 | 0.1846 | 9.5000e-004 | 0.1479 | 3.6000e-004 | 0.1482 | 0.0392 | 3.3000e-004 | 0.0396 | | 94.4142 | 94.4142 | 8.5000e-004 | | 94.4355 |
| **Total** | **0.0212** | **9.8700e-003** | **0.1846** | **9.5000e-004** | **0.1479** | **3.6000e-004** | **0.1482** | **0.0392** | **3.3000e-004** | **0.0396** | | **94.4142** | **94.4142** | **8.5000e-004** | | **94.4355** |

## 3.4 Grading - 2040

### 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 | | | | | 10.1673 | 0.0000 | 10.1673 | 3.8227 | 0.0000 | 3.8227 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7241 | 7.3885 | 22.3122 | 0.0699 | | 0.2250 | 0.2250 | | 0.2250 | 0.2250 | | 7,213.1086 | 7,213.1086 | 0.2370 | | 7,219.0343 |
| **Total** | **2.7241** | **7.3885** | **22.3122** | **0.0699** | **10.1673** | **0.2250** | **10.3923** | **3.8227** | **0.2250** | **4.0478** | | **7,213.1086** | **7,213.1086** | **0.2370** | | **7,219.0343** |

### 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 | 2.5370 | 85.6613 | 20.6200 | 0.4762 | 47.7890 | 0.1458 | 47.9348 | 12.0636 | 0.1395 | 12.2031 | | 50,767.3962 | 50,767.3962 | 2.2976 | | 50,824.8368 |
| 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 |
| Worker | 0.0235 | 0.0110 | 0.2051 | 1.0500e-003 | 0.1643 | 4.0000e-004 | 0.1647 | 0.0436 | 3.7000e-004 | 0.0440 | | 104.9047 | 104.9047 | 9.5000e-004 | | 104.9284 |
| **Total** | **2.5605** | **85.6723** | **20.8251** | **0.4772** | **47.9533** | **0.1462** | **48.0995** | **12.1072** | **0.1398** | **12.2470** | | **50,872.3008** | **50,872.3008** | **2.2986** | | **50,929.7652** |

### 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 | | | | | 3.9653 | 0.0000 | 3.9653 | 1.4909 | 0.0000 | 1.4909 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7241 | 7.3885 | 22.3122 | 0.0699 | | 0.2250 | 0.2250 | | 0.2250 | 0.2250 | 0.0000 | 7,213.1086 | 7,213.1086 | 0.2370 | | 7,219.0343 |
| **Total** | **2.7241** | **7.3885** | **22.3122** | **0.0699** | **3.9653** | **0.2250** | **4.1903** | **1.4909** | **0.2250** | **1.7159** | **0.0000** | **7,213.1086** | **7,213.1086** | **0.2370** | | **7,219.0343** |

**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 | 2.5370 | 85.6613 | 20.6200 | 0.4762 | 47.7890 | 0.1458 | 47.9348 | 12.0636 | 0.1395 | 12.2031 | | 50,767.3962 | 50,767.3962 | 2.2976 | | 50,824.8368 |
| 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 |
| Worker | 0.0235 | 0.0110 | 0.2051 | 1.0500e-003 | 0.1643 | 4.0000e-004 | 0.1647 | 0.0436 | 3.7000e-004 | 0.0440 | | 104.9047 | 104.9047 | 9.5000e-004 | | 104.9284 |
| **Total** | **2.5605** | **85.6723** | **20.8251** | **0.4772** | **47.9533** | **0.1462** | **48.0995** | **12.1072** | **0.1398** | **12.2470** | | **50,872.3008** | **50,872.3008** | **2.2986** | | **50,929.7652** |

## 3.4 Grading - 2041

**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 | | | | | 10.1673 | 0.0000 | 10.1673 | 3.8227 | 0.0000 | 3.8227 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7241 | 7.3885 | 22.3122 | 0.0699 | | 0.2250 | 0.2250 | | 0.2250 | 0.2250 | | 7,213.1086 | 7,213.1086 | 0.2370 | | 7,219.0343 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **2.7241** | **7.3885** | **22.3122** | **0.0699** | **10.1673** | **0.2250** | **10.3923** | **3.8227** | **0.2250** | **4.0478** | | **7,213.1086** | **7,213.1086** | **0.2370** | | **7,219.0343** |

## 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 | 2.5370 | 85.6613 | 20.6200 | 0.4762 | 13.7605 | 0.1458 | 13.9063 | 3.7111 | 0.1395 | 3.8506 | | 50,767.3962 | 50,767.3962 | 2.2976 | | 50,824.8368 |
| 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 |
| Worker | 0.0235 | 0.0110 | 0.2051 | 1.0500e-003 | 0.1643 | 4.0000e-004 | 0.1647 | 0.0436 | 3.7000e-004 | 0.0440 | | 104.9047 | 104.9047 | 9.5000e-004 | | 104.9284 |
| **Total** | **2.5605** | **85.6723** | **20.8251** | **0.4772** | **13.9248** | **0.1462** | **14.0710** | **3.7547** | **0.1398** | **3.8946** | | **50,872.3008** | **50,872.3008** | **2.2986** | | **50,929.7652** |

## 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 | | | | | 3.9653 | 0.0000 | 3.9653 | 1.4909 | 0.0000 | 1.4909 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7241 | 7.3885 | 22.3122 | 0.0699 | | 0.2250 | 0.2250 | | 0.2250 | 0.2250 | 0.0000 | 7,213.1086 | 7,213.1086 | 0.2370 | | 7,219.0343 |
| **Total** | **2.7241** | **7.3885** | **22.3122** | **0.0699** | **3.9653** | **0.2250** | **4.1903** | **1.4909** | **0.2250** | **1.7159** | **0.0000** | **7,213.1086** | **7,213.1086** | **0.2370** | | **7,219.0343** |

## 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 | 2.5370 | 85.6613 | 20.6200 | 0.4762 | 13.7605 | 0.1458 | 13.9063 | 3.7111 | 0.1395 | 3.8506 | | 50,767.3962 | 50,767.3962 | 2.2976 | | 50,824.8368 |
| 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 |
| Worker | 0.0235 | 0.0110 | 0.2051 | 1.0500e-003 | 0.1643 | 4.0000e-004 | 0.1647 | 0.0436 | 3.7000e-004 | 0.0440 | | 104.9047 | 104.9047 | 9.5000e-004 | | 104.9284 |
| **Total** | **2.5605** | **85.6723** | **20.8251** | **0.4772** | **13.9248** | **0.1462** | **14.0710** | **3.7547** | **0.1398** | **3.8946** | | **50,872.3008** | **50,872.3008** | **2.2986** | | **50,929.7652** |

## 3.5 Building Construction - 2041

### 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 | 1.1970 | 6.8903 | 16.1185 | 0.0310 | | 0.0737 | 0.0737 | | 0.0737 | 0.0737 | | 2,897.5471 | 2,897.5471 | 0.1041 | | 2,900.1503 |
| **Total** | **1.1970** | **6.8903** | **16.1185** | **0.0310** | | **0.0737** | **0.0737** | | **0.0737** | **0.0737** | | **2,897.5471** | **2,897.5471** | **0.1041** | | **2,900.1503** |

### 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 |
| Vendor | 1.3051 | 55.4997 | 9.5895 | 0.2131 | 5.5071 | 0.0520 | 5.5591 | 1.5855 | 0.0497 | 1.6352 | | 22,547.2574 | 22,547.2574 | 1.0420 | | 22,573.3084 |
| Worker | 2.4145 | 1.1265 | 21.0744 | 0.1079 | 16.8813 | 0.0413 | 16.9226 | 4.4777 | 0.0380 | 4.5157 | | 10,778.9531 | 10,778.9531 | 0.0975 | | 10,781.3911 |
| **Total** | **3.7196** | **56.6262** | **30.6639** | **0.3211** | **22.3884** | **0.0932** | **22.4817** | **6.0632** | **0.0876** | **6.1509** | | **33,326.2105** | **33,326.2105** | **1.1396** | | **33,354.6995** |

## 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 | 1.1970 | 6.8903 | 16.1185 | 0.0310 | | 0.0737 | 0.0737 | | 0.0737 | 0.0737 | 0.0000 | 2,897.5471 | 2,897.5471 | 0.1041 | | 2,900.1503 |
| **Total** | **1.1970** | **6.8903** | **16.1185** | **0.0310** | | **0.0737** | **0.0737** | | **0.0737** | **0.0737** | **0.0000** | **2,897.5471** | **2,897.5471** | **0.1041** | | **2,900.1503** |

## 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 |
| Vendor | 1.3051 | 55.4997 | 9.5895 | 0.2131 | 5.5071 | 0.0520 | 5.5591 | 1.5855 | 0.0497 | 1.6352 | | 22,547.2574 | 22,547.2574 | 1.0420 | | 22,573.3084 |
| Worker | 2.4145 | 1.1265 | 21.0744 | 0.1079 | 16.8813 | 0.0413 | 16.9226 | 4.4777 | 0.0380 | 4.5157 | | 10,778.9531 | 10,778.9531 | 0.0975 | | 10,781.3911 |
| **Total** | **3.7196** | **56.6262** | **30.6639** | **0.3211** | **22.3884** | **0.0932** | **22.4817** | **6.0632** | **0.0876** | **6.1509** | | **33,326.2105** | **33,326.2105** | **1.1396** | | **33,354.6995** |

## 3.5 Building Construction - 2042

### 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 | 1.1970 | 6.8903 | 16.1185 | 0.0310 | | 0.0737 | 0.0737 | | 0.0737 | 0.0737 | | 2,897.5471 | 2,897.5471 | 0.1041 | | 2,900.1503 |
| **Total** | **1.1970** | **6.8903** | **16.1185** | **0.0310** | | **0.0737** | **0.0737** | | **0.0737** | **0.0737** | | **2,897.5471** | **2,897.5471** | **0.1041** | | **2,900.1503** |

### 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 |
| Vendor | 1.3051 | 55.4997 | 9.5895 | 0.2131 | 5.5071 | 0.0520 | 5.5591 | 1.5855 | 0.0497 | 1.6352 | | 22,547.2574 | 22,547.2574 | 1.0420 | | 22,573.3084 |
| Worker | 2.4145 | 1.1265 | 21.0744 | 0.1079 | 16.8813 | 0.0413 | 16.9226 | 4.4777 | 0.0380 | 4.5157 | | 10,778.9531 | 10,778.9531 | 0.0975 | | 10,781.3911 |
| **Total** | **3.7196** | **56.6262** | **30.6639** | **0.3211** | **22.3884** | **0.0932** | **22.4817** | **6.0632** | **0.0876** | **6.1509** | | **33,326.2105** | **33,326.2105** | **1.1396** | | **33,354.6995** |

### 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 | 1.1970 | 6.8903 | 16.1185 | 0.0310 | | 0.0737 | 0.0737 | | 0.0737 | 0.0737 | 0.0000 | 2,897.5471 | 2,897.5471 | 0.1041 | | 2,900.1503 |
| **Total** | **1.1970** | **6.8903** | **16.1185** | **0.0310** | | **0.0737** | **0.0737** | | **0.0737** | **0.0737** | **0.0000** | **2,897.5471** | **2,897.5471** | **0.1041** | | **2,900.1503** |

**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 |
| Vendor | 1.3051 | 55.4997 | 9.5895 | 0.2131 | 5.5071 | 0.0520 | 5.5591 | 1.5855 | 0.0497 | 1.6352 | | 22,547.2574 | 22,547.2574 | 1.0420 | | 22,573.3084 |
| Worker | 2.4145 | 1.1265 | 21.0744 | 0.1079 | 16.8813 | 0.0413 | 16.9226 | 4.4777 | 0.0380 | 4.5157 | | 10,778.9531 | 10,778.9531 | 0.0975 | | 10,781.3911 |
| **Total** | **3.7196** | **56.6262** | **30.6639** | **0.3211** | **22.3884** | **0.0932** | **22.4817** | **6.0632** | **0.0876** | **6.1509** | | **33,326.2105** | **33,326.2105** | **1.1396** | | **33,354.6995** |

## 3.5 Building Construction - 2043

**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 | 1.1970 | 6.8903 | 16.1185 | 0.0310 | | 0.0737 | 0.0737 | | 0.0737 | 0.0737 | | 2,897.5471 | 2,897.5471 | 0.1041 | | 2,900.1503 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **1.1970** | **6.8903** | **16.1185** | **0.0310** | | **0.0737** | **0.0737** | | **0.0737** | **0.0737** | | **2,897.5471** | **2,897.5471** | **0.1041** | | **2,900.1503** |

## 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 |
| Vendor | 1.3051 | 55.4997 | 9.5895 | 0.2131 | 5.5071 | 0.0520 | 5.5591 | 1.5855 | 0.0497 | 1.6352 | | 22,547.2574 | 22,547.2574 | 1.0420 | | 22,573.3084 |
| Worker | 2.4145 | 1.1265 | 21.0744 | 0.1079 | 16.8813 | 0.0413 | 16.9226 | 4.4777 | 0.0380 | 4.5157 | | 10,778.9531 | 10,778.9531 | 0.0975 | | 10,781.3911 |
| **Total** | **3.7196** | **56.6262** | **30.6639** | **0.3211** | **22.3884** | **0.0932** | **22.4817** | **6.0632** | **0.0876** | **6.1509** | | **33,326.2105** | **33,326.2105** | **1.1396** | | **33,354.6995** |

## 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 | 1.1970 | 6.8903 | 16.1185 | 0.0310 | | 0.0737 | 0.0737 | | 0.0737 | 0.0737 | 0.0000 | 2,897.5471 | 2,897.5471 | 0.1041 | | 2,900.1503 |
| **Total** | **1.1970** | **6.8903** | **16.1185** | **0.0310** | | **0.0737** | **0.0737** | | **0.0737** | **0.0737** | **0.0000** | **2,897.5471** | **2,897.5471** | **0.1041** | | **2,900.1503** |

## 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 |
| Vendor | 1.3051 | 55.4997 | 9.5895 | 0.2131 | 5.5071 | 0.0520 | 5.5591 | 1.5855 | 0.0497 | 1.6352 | | 22,547.2574 | 22,547.2574 | 1.0420 | | 22,573.3084 |
| Worker | 2.4145 | 1.1265 | 21.0744 | 0.1079 | 16.8813 | 0.0413 | 16.9226 | 4.4777 | 0.0380 | 4.5157 | | 10,778.9531 | 10,778.9531 | 0.0975 | | 10,781.3911 |
| **Total** | **3.7196** | **56.6262** | **30.6639** | **0.3211** | **22.3884** | **0.0932** | **22.4817** | **6.0632** | **0.0876** | **6.1509** | | **33,326.2105** | **33,326.2105** | **1.1396** | | **33,354.6995** |

## 3.6 Paving - 2043

### 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 | 1.0112 | 3.6566 | 15.8177 | 0.0281 | | 0.1164 | 0.1164 | | 0.1164 | 0.1164 | | 2,656.5168 | 2,656.5168 | 0.0893 | | 2,658.7489 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **1.0112** | **3.6566** | **15.8177** | **0.0281** | | **0.1164** | **0.1164** | | **0.1164** | **0.1164** | | **2,656.5168** | **2,656.5168** | **0.0893** | | **2,658.7489** |

### 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 |
| 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 |
| Worker | 0.0176 | 8.2200e-003 | 0.1538 | 7.9000e-004 | 0.1232 | 3.0000e-004 | 0.1235 | 0.0327 | 2.8000e-004 | 0.0330 | | 78.6785 | 78.6785 | 7.1000e-004 | | 78.6963 |
| **Total** | **0.0176** | **8.2200e-003** | **0.1538** | **7.9000e-004** | **0.1232** | **3.0000e-004** | **0.1235** | **0.0327** | **2.8000e-004** | **0.0330** | | **78.6785** | **78.6785** | **7.1000e-004** | | **78.6963** |

## 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 | 1.0112 | 3.6566 | 15.8177 | 0.0281 | | 0.1164 | 0.1164 | | 0.1164 | 0.1164 | 0.0000 | 2,656.5168 | 2,656.5168 | 0.0893 | | 2,658.7489 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **1.0112** | **3.6566** | **15.8177** | **0.0281** | | **0.1164** | **0.1164** | | **0.1164** | **0.1164** | **0.0000** | **2,656.5168** | **2,656.5168** | **0.0893** | | **2,658.7489** |

## 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 |
| 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 |
| Worker | 0.0176 | 8.2200e-003 | 0.1538 | 7.9000e-004 | 0.1232 | 3.0000e-004 | 0.1235 | 0.0327 | 2.8000e-004 | 0.0330 | | 78.6785 | 78.6785 | 7.1000e-004 | | 78.6963 |
| **Total** | **0.0176** | **8.2200e-003** | **0.1538** | **7.9000e-004** | **0.1232** | **3.0000e-004** | **0.1235** | **0.0327** | **2.8000e-004** | **0.0330** | | **78.6785** | **78.6785** | **7.1000e-004** | | **78.6963** |

## 3.7 Architectural Coating - 2043

### 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 | 62.1181 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1149 | 0.7270 | 1.7923 | 2.9700e-003 | | 7.4300e-003 | 7.4300e-003 | | 7.4300e-003 | 7.4300e-003 | | 281.4481 | 281.4481 | 9.9000e-003 | | 281.6957 |
| **Total** | **62.2330** | **0.7270** | **1.7923** | **2.9700e-003** | | **7.4300e-003** | **7.4300e-003** | | **7.4300e-003** | **7.4300e-003** | | **281.4481** | **281.4481** | **9.9000e-003** | | **281.6957** |

### 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 |
| 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 |
| Worker | 0.4829 | 0.2253 | 4.2149 | 0.0216 | 3.3763 | 8.2500e-003 | 3.3845 | 0.8955 | 7.5900e-003 | 0.9031 | | 2,155.7906 | 2,155.7906 | 0.0195 | | 2,156.2782 |
| **Total** | **0.4829** | **0.2253** | **4.2149** | **0.0216** | **3.3763** | **8.2500e-003** | **3.3845** | **0.8955** | **7.5900e-003** | **0.9031** | | **2,155.7906** | **2,155.7906** | **0.0195** | | **2,156.2782** |

### 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 | 62.1181 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1149 | 0.7270 | 1.7923 | 2.9700e-003 | | 7.4300e-003 | 7.4300e-003 | | 7.4300e-003 | 7.4300e-003 | 0.0000 | 281.4481 | 281.4481 | 9.9000e-003 | | 281.6957 |
| **Total** | **62.2330** | **0.7270** | **1.7923** | **2.9700e-003** | | **7.4300e-003** | **7.4300e-003** | | **7.4300e-003** | **7.4300e-003** | **0.0000** | **281.4481** | **281.4481** | **9.9000e-003** | | **281.6957** |

**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 |
| 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 |
| Worker | 0.4829 | 0.2253 | 4.2149 | 0.0216 | 3.3763 | 8.2500e-003 | 3.3845 | 0.8955 | 7.5900e-003 | 0.9031 | | 2,155.7906 | 2,155.7906 | 0.0195 | | 2,156.2782 |
| **Total** | **0.4829** | **0.2253** | **4.2149** | **0.0216** | **3.3763** | **8.2500e-003** | **3.3845** | **0.8955** | **7.5900e-003** | **0.9031** | | **2,155.7906** | **2,155.7906** | **0.0195** | | **2,156.2782** |

## 3.7 Architectural Coating - 2044

**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 | 62.1181 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road | 0.1149 | 0.7270 | 1.7923 | 2.9700e-003 | | 7.4300e-003 | 7.4300e-003 | | 7.4300e-003 | 7.4300e-003 | | 281.4481 | 281.4481 | 9.9000e-003 | | 281.6957 |
| **Total** | **62.2330** | **0.7270** | **1.7923** | **2.9700e-003** | | **7.4300e-003** | **7.4300e-003** | | **7.4300e-003** | **7.4300e-003** | | **281.4481** | **281.4481** | **9.9000e-003** | | **281.6957** |

## 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 |
| 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 |
| Worker | 0.4829 | 0.2253 | 4.2149 | 0.0216 | 3.3763 | 8.2500e-003 | 3.3845 | 0.8955 | 7.5900e-003 | 0.9031 | | 2,155.7906 | 2,155.7906 | 0.0195 | | 2,156.2782 |
| **Total** | **0.4829** | **0.2253** | **4.2149** | **0.0216** | **3.3763** | **8.2500e-003** | **3.3845** | **0.8955** | **7.5900e-003** | **0.9031** | | **2,155.7906** | **2,155.7906** | **0.0195** | | **2,156.2782** |

## 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 | 62.1181 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1149 | 0.7270 | 1.7923 | 2.9700e-003 | | 7.4300e-003 | 7.4300e-003 | | 7.4300e-003 | 7.4300e-003 | 0.0000 | 281.4481 | 281.4481 | 9.9000e-003 | | 281.6957 |
| **Total** | **62.2330** | **0.7270** | **1.7923** | **2.9700e-003** | | **7.4300e-003** | **7.4300e-003** | | **7.4300e-003** | **7.4300e-003** | **0.0000** | **281.4481** | **281.4481** | **9.9000e-003** | | **281.6957** |

## 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 |
| 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 |
| Worker | 0.4829 | 0.2253 | 4.2149 | 0.0216 | 3.3763 | 8.2500e-003 | 3.3845 | 0.8955 | 7.5900e-003 | 0.9031 | | 2,155.7906 | 2,155.7906 | 0.0195 | | 2,156.2782 |
| **Total** | **0.4829** | **0.2253** | **4.2149** | **0.0216** | **3.3763** | **8.2500e-003** | **3.3845** | **0.8955** | **7.5900e-003** | **0.9031** | | **2,155.7906** | **2,155.7906** | **0.0195** | | **2,156.2782** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

### 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |

| | | | | | |
|---|---|---|---|---|---|
| General Heavy Industry | 0.00 | 0.00 | 0.00 | | |
| General Light Industry | 0.00 | 0.00 | 0.00 | | |
| Manufacturing | 0.00 | 0.00 | 0.00 | | |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | | |
| Regional Shopping Center | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

### 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | 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 |
| General Heavy Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Manufacturing | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Refrigerated Warehouse-No | 9.50 | 7.30 | 7.30 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |

### 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Heavy Industry | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |
| General Light Industry | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |
| Manufacturing | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |
| Refrigerated Warehouse-No Rail | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |
| Regional Shopping Center | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

## 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 | | | | | |
| General Heavy Industry | 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 |
| General Light Industry | 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 |
| Manufacturing | 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 |
| Refrigerated Warehouse-No Rail | 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 |
| Regional Shopping Center | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | | | | | |
| General Heavy Industry | 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 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Light Industry | 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 |
| Manufacturing | 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 |
| Refrigerated Warehouse-No Rail | 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 |
| Regional Shopping Center | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

# 6.0 Area Detail

## 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 | 106.1629 | 4.5200e-003 | 0.5031 | 4.0000e-005 | | 1.7800e-003 | 1.7800e-003 | | 1.7800e-003 | 1.7800e-003 | | 1.0852 | 1.0852 | 2.8000e-003 | | 1.1551 |
| Unmitigated | 106.1629 | 4.5200e-003 | 0.5031 | 4.0000e-005 | | 1.7800e-003 | 1.7800e-003 | | 1.7800e-003 | 1.7800e-003 | | 1.0852 | 1.0852 | 2.8000e-003 | | 1.1551 |

## 6.2 Area by SubCategory

**Unmitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 106.1168 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0460 | 4.5200e-003 | 0.5031 | 4.0000e-005 | | 1.7800e-003 | 1.7800e-003 | | 1.7800e-003 | 1.7800e-003 | | 1.0852 | 1.0852 | 2.8000e-003 | | 1.1551 |
| **Total** | **106.1629** | **4.5200e-003** | **0.5031** | **4.0000e-005** | | **1.7800e-003** | **1.7800e-003** | | **1.7800e-003** | **1.7800e-003** | | **1.0852** | **1.0852** | **2.8000e-003** | | **1.1551** |

**Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 106.1168 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0460 | 4.5200e-003 | 0.5031 | 4.0000e-005 | | 1.7800e-003 | 1.7800e-003 | | 1.7800e-003 | 1.7800e-003 | | 1.0852 | 1.0852 | 2.8000e-003 | | 1.1551 |
| **Total** | **106.1629** | **4.5200e-003** | **0.5031** | **4.0000e-005** | | **1.7800e-003** | **1.7800e-003** | | **1.7800e-003** | **1.7800e-003** | | **1.0852** | **1.0852** | **2.8000e-003** | | **1.1551** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

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

## 10.0 Stationary Equipment

### Fire Pumps and Emergency Generators

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

### Boilers

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

### User Defined Equipment

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

## 11.0 Vegetation

# SCLA Specific Plan - Phase Four - Construction Emissions

**San Bernardino-Mojave Desert County, Winter**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Heavy Industry | 719.23 | 1000sqft | 166.32 | 719,230.00 | 0 |
| General Light Industry | 388.67 | 1000sqft | 89.88 | 388,670.00 | 0 |
| Manufacturing | 892.71 | 1000sqft | 206.43 | 892,710.00 | 0 |
| Refrigerated Warehouse-No Rail | 2,678.12 | 1000sqft | 619.29 | 2,678,120.00 | 0 |
| Regional Shopping Center | 280.00 | 1000sqft | 64.74 | 280,000.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.6 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 10 | | | **Operational Year** | 2045 |
| **Utility Company** | Statewide Average | | | | |
| **CO2 Intensity (lb/MWhr)** | 1001.57 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Anticipated building sqft and gross lot acreage.

Construction Phase - Anticipated buildout over 5 years.

Demolition -

Grading - Cut & Fill Balanced.

Architectural Coating - MDAQMD Rule 1113 50 g/L VOC limit.

Vehicle Trips - Construction Emissions Only.

Area Coating - Construction Emissions Only.

Energy Use - Construction Emissions Only.

Water And Wastewater - Construction Emissions Only.

Solid Waste - Construction Emissions Only.

Construction Off-road Equipment Mitigation - MDAQMD Rule 403.2

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblAreaCoating | Area_Nonresidential_Interior | 7438095 | 0 |
| tblAreaCoating | ReapplicationRatePercent | 10 | 0 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 15 |
| tblConstructionPhase | NumDays | 11,000.00 | 370.00 |
| tblConstructionPhase | NumDays | 155,000.00 | 400.00 |
| tblConstructionPhase | NumDays | 10,000.00 | 120.00 |
| tblConstructionPhase | NumDays | 15,500.00 | 220.00 |
| tblConstructionPhase | NumDays | 11,000.00 | 100.00 |
| tblConstructionPhase | NumDays | 6,000.00 | 120.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 2.37 | 0.00 |
| tblEnergyUse | LightingElect | 5.61 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |

| | | | |
|---|---|---|---|
| tblEnergyUse | NT24E | 36.52 | 0.00 |
| tblEnergyUse | NT24E | 2.44 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 48.51 | 0.00 |
| tblEnergyUse | NT24NG | 0.30 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 1.06 | 0.00 |
| tblEnergyUse | T24E | 4.58 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 3.25 | 0.00 |
| tblEnergyUse | T24NG | 1.92 | 0.00 |
| tblGrading | MaterialExported | 0.00 | 1,169,500.00 |
| tblGrading | MaterialImported | 0.00 | 1,169,500.00 |
| tblLandUse | LotAcreage | 16.51 | 166.32 |
| tblLandUse | LotAcreage | 8.92 | 89.88 |
| tblLandUse | LotAcreage | 20.49 | 206.43 |
| tblLandUse | LotAcreage | 61.48 | 619.29 |
| tblLandUse | LotAcreage | 6.43 | 64.74 |
| tblSolidWaste | SolidWasteGenerationRate | 891.85 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 481.95 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 1,106.96 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 2,517.43 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 294.00 | 0.00 |
| tblVehicleTrips | ST_TR | 1.50 | 0.00 |

| | | | |
|---|---|---|---|
| tblVehicleTrips | ST_TR | 1.32 | 0.00 |
| tblVehicleTrips | ST_TR | 1.49 | 0.00 |
| tblVehicleTrips | ST_TR | 1.68 | 0.00 |
| tblVehicleTrips | ST_TR | 49.97 | 0.00 |
| tblVehicleTrips | SU_TR | 1.50 | 0.00 |
| tblVehicleTrips | SU_TR | 0.68 | 0.00 |
| tblVehicleTrips | SU_TR | 0.62 | 0.00 |
| tblVehicleTrips | SU_TR | 1.68 | 0.00 |
| tblVehicleTrips | SU_TR | 25.24 | 0.00 |
| tblVehicleTrips | WD_TR | 1.50 | 0.00 |
| tblVehicleTrips | WD_TR | 6.97 | 0.00 |
| tblVehicleTrips | WD_TR | 3.82 | 0.00 |
| tblVehicleTrips | WD_TR | 1.68 | 0.00 |
| tblVehicleTrips | WD_TR | 42.70 | 0.00 |
| tblWater | IndoorWaterUseRate | 166,321,937.50 | 0.00 |
| tblWater | IndoorWaterUseRate | 89,879,937.50 | 0.00 |
| tblWater | IndoorWaterUseRate | 206,439,187.50 | 0.00 |
| tblWater | IndoorWaterUseRate | 619,315,250.00 | 0.00 |
| tblWater | IndoorWaterUseRate | 20,740,306.02 | 0.00 |
| tblWater | OutdoorWaterUseRate | 12,711,800.46 | 0.00 |

## 2.0 Emissions Summary

### 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 | | | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2040 | 7.3867 | 100.4593 | 61.1039 | 0.5822 | 76.3348 | 0.5752 | 76.9100 | 25.8998 | 0.5688 | 26.4686 | 0.0000 | 61,270.4162 | 61,270.4162 | 2.8787 | 0.0000 | 61,342.3840 |
| 2041 | 5.3995 | 92.4547 | 45.1761 | 0.5348 | 24.0921 | 0.3723 | 24.4644 | 7.5774 | 0.3659 | 7.9434 | 0.0000 | 56,775.9951 | 56,775.9951 | 2.7073 | 0.0000 | 56,843.6765 |
| 2042 | 5.0398 | 62.7990 | 44.1922 | 0.3332 | 22.3884 | 0.1677 | 22.5561 | 6.0632 | 0.1620 | 6.2252 | 0.0000 | 34,297.0598 | 34,297.0598 | 1.3392 | 0.0000 | 34,330.5402 |
| 2043 | 62.7243 | 66.4641 | 60.1333 | 0.3619 | 22.5117 | 0.2844 | 22.7960 | 6.0959 | 0.2787 | 6.3746 | 0.0000 | 37,024.1328 | 37,024.1328 | 1.4291 | 0.0000 | 37,059.8608 |
| 2044 | 62.7243 | 0.9614 | 5.1751 | 0.0223 | 3.3763 | 0.0157 | 3.3920 | 0.8955 | 0.0150 | 0.9106 | 0.0000 | 2,214.6891 | 2,214.6891 | 0.0269 | 0.0000 | 2,215.3609 |
| **Maximum** | **62.7243** | **100.4593** | **61.1039** | **0.5822** | **76.3348** | **0.5752** | **76.9100** | **25.8998** | **0.5688** | **26.4686** | **0.0000** | **61,270.4162** | **61,270.4162** | **2.8787** | **0.0000** | **61,342.3840** |

## 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 | | | | | |
| 2040 | 7.3867 | 100.4593 | 61.1039 | 0.5822 | 59.1123 | 0.5752 | 59.6875 | 17.5102 | 0.5688 | 18.0791 | 0.0000 | 61,270.4162 | 61,270.4162 | 2.8787 | 0.0000 | 61,342.3840 |
| 2041 | 5.3995 | 92.4547 | 45.1761 | 0.5348 | 22.3884 | 0.3723 | 22.5561 | 6.0632 | 0.3659 | 6.2252 | 0.0000 | 56,775.9951 | 56,775.9951 | 2.7073 | 0.0000 | 56,843.6765 |
| 2042 | 5.0398 | 62.7990 | 44.1922 | 0.3332 | 22.3884 | 0.1677 | 22.5561 | 6.0632 | 0.1620 | 6.2252 | 0.0000 | 34,297.0598 | 34,297.0598 | 1.3392 | 0.0000 | 34,330.5402 |
| 2043 | 62.7243 | 66.4641 | 60.1333 | 0.3619 | 22.5117 | 0.2844 | 22.7960 | 6.0959 | 0.2787 | 6.3746 | 0.0000 | 37,024.1328 | 37,024.1328 | 1.4291 | 0.0000 | 37,059.8608 |
| 2044 | 62.7243 | 0.9614 | 5.1751 | 0.0223 | 3.3763 | 0.0157 | 3.3920 | 0.8955 | 0.0150 | 0.9106 | 0.0000 | 2,214.6891 | 2,214.6891 | 0.0269 | 0.0000 | 2,215.3609 |
| **Maximum** | **62.7243** | **100.4593** | **61.1039** | **0.5822** | **59.1123** | **0.5752** | **59.6875** | **17.5102** | **0.5688** | **18.0791** | **0.0000** | **61,270.4162** | **61,270.4162** | **2.8787** | **0.0000** | **61,342.3840** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **12.73** | **0.00** | **12.74** | **21.28** | **0.00** | **21.09** | **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 | 106.1629 | 4.5200e-003 | 0.5031 | 4.0000e-005 | | 1.7800e-003 | 1.7800e-003 | | 1.7800e-003 | 1.7800e-003 | | 1.0852 | 1.0852 | 2.8000e-003 | | 1.1551 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 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** | **106.1629** | **4.5200e-003** | **0.5031** | **4.0000e-005** | **0.0000** | **1.7800e-003** | **1.7800e-003** | **0.0000** | **1.7800e-003** | **1.7800e-003** | | **1.0852** | **1.0852** | **2.8000e-003** | **0.0000** | **1.1551** |

**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 | 106.1629 | 4.5200e-003 | 0.5031 | 4.0000e-005 | | 1.7800e-003 | 1.7800e-003 | | 1.7800e-003 | 1.7800e-003 | | 1.0852 | 1.0852 | 2.8000e-003 | | 1.1551 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 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** | **106.1629** | **4.5200e-003** | **0.5031** | **4.0000e-005** | **0.0000** | **1.7800e-003** | **1.7800e-003** | **0.0000** | **1.7800e-003** | **1.7800e-003** | | **1.0852** | **1.0852** | **2.8000e-003** | **0.0000** | **1.1551** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | 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 | Demolition | Demolition | 1/2/2040 | 6/15/2040 | 5 | 120 | |
| 2 | Site Preparation | Site Preparation | 6/16/2040 | 11/30/2040 | 5 | 120 | |
| 3 | Grading | Grading | 11/1/2040 | 9/4/2041 | 5 | 220 | |
| 4 | Building Construction | Building Construction | 9/5/2041 | 3/18/2043 | 5 | 400 | |
| 5 | Paving | Paving | 3/12/2043 | 7/29/2043 | 5 | 100 | |
| 6 | Architectural Coating | Architectural Coating | 7/30/2043 | 12/28/2044 | 5 | 370 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 550**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 7,438,095; Non-Residential Outdoor: 2,479,365; Striped Parking**

**OffRoad Equipment**

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Excavators | 3 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| 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 |
| 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 |

| | | | | | |
|---|---|---|---|---|---|
| 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 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 6 | 15.00 | 0.00 | 9,647.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 8 | 20.00 | 0.00 | 146,188.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 2,055.00 | 813.00 | 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 |
| Architectural Coating | 1 | 411.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

## 3.2 Demolition - 2040

**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 | | | | | 17.6154 | 0.0000 | 17.6154 | 2.6676 | 0.0000 | 2.6676 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6982 | 5.3064 | 18.5788 | 0.0462 | | 0.1629 | 0.1629 | | 0.1629 | 0.1629 | | 4,378.5819 | 4,378.5819 | 0.1484 | | 4,382.2921 |
| **Total** | **1.6982** | **5.3064** | **18.5788** | **0.0462** | **17.6154** | **0.1629** | **17.7783** | **2.6676** | **0.1629** | **2.8305** | | **4,378.5819** | **4,378.5819** | **0.1484** | | **4,382.2921** |

## 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 | 0.3208 | 10.2901 | 2.7462 | 0.0561 | 1.4066 | 0.0178 | 1.4243 | 0.3856 | 0.0170 | 0.4026 | | 5,984.8527 | 5,984.8527 | 0.2988 | | 5,992.3216 |
| 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 |
| Worker | 0.0179 | 8.5500e-003 | 0.1235 | 7.1000e-004 | 0.1232 | 3.0000e-004 | 0.1235 | 0.0327 | 2.8000e-004 | 0.0330 | | 70.5562 | 70.5562 | 6.2000e-004 | | 70.5717 |
| **Total** | **0.3387** | **10.2987** | **2.8697** | **0.0568** | **1.5298** | **0.0181** | **1.5479** | **0.4183** | **0.0173** | **0.4356** | | **6,055.4089** | **6,055.4089** | **0.2994** | | **6,062.8933** |

## 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 | | | | | 6.8700 | 0.0000 | 6.8700 | 1.0404 | 0.0000 | 1.0404 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6982 | 5.3064 | 18.5788 | 0.0462 | | 0.1629 | 0.1629 | | 0.1629 | 0.1629 | 0.0000 | 4,378.5819 | 4,378.5819 | 0.1484 | | 4,382.2920 |
| **Total** | **1.6982** | **5.3064** | **18.5788** | **0.0462** | **6.8700** | **0.1629** | **7.0329** | **1.0404** | **0.1629** | **1.2033** | **0.0000** | **4,378.5819** | **4,378.5819** | **0.1484** | | **4,382.2920** |

## 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 | 0.3208 | 10.2901 | 2.7462 | 0.0561 | 1.4066 | 0.0178 | 1.4243 | 0.3856 | 0.0170 | 0.4026 | | 5,984.8527 | 5,984.8527 | 0.2988 | | 5,992.3216 |
| 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 |
| Worker | 0.0179 | 8.5500e-003 | 0.1235 | 7.1000e-004 | 0.1232 | 3.0000e-004 | 0.1235 | 0.0327 | 2.8000e-004 | 0.0330 | | 70.5562 | 70.5562 | 6.2000e-004 | | 70.5717 |
| **Total** | **0.3387** | **10.2987** | **2.8697** | **0.0568** | **1.5298** | **0.0181** | **1.5479** | **0.4183** | **0.0173** | **0.4356** | | **6,055.4089** | **6,055.4089** | **0.2994** | | **6,062.8933** |

## 3.3 Site Preparation - 2040

### 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 | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.9657 | 7.9943 | 15.7797 | 0.0466 | | 0.2026 | 0.2026 | | 0.2026 | 0.2026 | | 4,409.7537 | 4,409.7537 | 0.1707 | | 4,414.0214 |
| **Total** | **1.9657** | **7.9943** | **15.7797** | **0.0466** | **18.0663** | **0.2026** | **18.2688** | **9.9307** | **0.2026** | **10.1333** | | **4,409.7537** | **4,409.7537** | **0.1707** | | **4,414.0214** |

### 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 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Worker | 0.0215 | 0.0103 | 0.1482 | 8.5000e-004 | 0.1479 | 3.6000e-004 | 0.1482 | 0.0392 | 3.3000e-004 | 0.0396 | | 84.6675 | 84.6675 | 7.4000e-004 | | 84.6861 |
| **Total** | **0.0215** | **0.0103** | **0.1482** | **8.5000e-004** | **0.1479** | **3.6000e-004** | **0.1482** | **0.0392** | **3.3000e-004** | **0.0396** | | **84.6675** | **84.6675** | **7.4000e-004** | | **84.6861** |

## 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 | | | | | 7.0458 | 0.0000 | 7.0458 | 3.8730 | 0.0000 | 3.8730 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.9657 | 7.9943 | 15.7797 | 0.0466 | | 0.2026 | 0.2026 | | 0.2026 | 0.2026 | 0.0000 | 4,409.7537 | 4,409.7537 | 0.1707 | | 4,414.0214 |
| **Total** | **1.9657** | **7.9943** | **15.7797** | **0.0466** | **7.0458** | **0.2026** | **7.2484** | **3.8730** | **0.2026** | **4.0755** | **0.0000** | **4,409.7537** | **4,409.7537** | **0.1707** | | **4,414.0214** |

## 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 |
| 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 |
| Worker | 0.0215 | 0.0103 | 0.1482 | 8.5000e-004 | 0.1479 | 3.6000e-004 | 0.1482 | 0.0392 | 3.3000e-004 | 0.0396 | | 84.6675 | 84.6675 | 7.4000e-004 | | 84.6861 |
| **Total** | **0.0215** | **0.0103** | **0.1482** | **8.5000e-004** | **0.1479** | **3.6000e-004** | **0.1482** | **0.0392** | **3.3000e-004** | **0.0396** | | **84.6675** | **84.6675** | **7.4000e-004** | | **84.6861** |

## 3.4 Grading - 2040

### 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 | | | | | 10.1673 | 0.0000 | 10.1673 | 3.8227 | 0.0000 | 3.8227 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7241 | 7.3885 | 22.3122 | 0.0699 | | 0.2250 | 0.2250 | | 0.2250 | 0.2250 | | 7,213.1086 | 7,213.1086 | 0.2370 | | 7,219.0343 |
| **Total** | **2.7241** | **7.3885** | **22.3122** | **0.0699** | **10.1673** | **0.2250** | **10.3923** | **3.8227** | **0.2250** | **4.0478** | | **7,213.1086** | **7,213.1086** | **0.2370** | | **7,219.0343** |

### 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 | 2.6515 | 85.0548 | 22.6993 | 0.4640 | 47.7890 | 0.1469 | 47.9359 | 12.0636 | 0.1405 | 12.2041 | | 49,468.8115 | 49,468.8115 | 2.4694 | | 49,530.5467 |
| 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 |
| Worker | 0.0239 | 0.0114 | 0.1646 | 9.4000e-004 | 0.1643 | 4.0000e-004 | 0.1647 | 0.0436 | 3.7000e-004 | 0.0440 | | 94.0750 | 94.0750 | 8.3000e-004 | | 94.0956 |
| **Total** | **2.6754** | **85.0662** | **22.8639** | **0.4649** | **47.9533** | **0.1473** | **48.1006** | **12.1072** | **0.1409** | **12.2481** | | **49,562.8865** | **49,562.8865** | **2.4702** | | **49,624.6423** |

### 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 | | | | | 3.9653 | 0.0000 | 3.9653 | 1.4909 | 0.0000 | 1.4909 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7241 | 7.3885 | 22.3122 | 0.0699 | | 0.2250 | 0.2250 | | 0.2250 | 0.2250 | 0.0000 | 7,213.1086 | 7,213.1086 | 0.2370 | | 7,219.0343 |
| **Total** | **2.7241** | **7.3885** | **22.3122** | **0.0699** | **3.9653** | **0.2250** | **4.1903** | **1.4909** | **0.2250** | **1.7159** | **0.0000** | **7,213.1086** | **7,213.1086** | **0.2370** | | **7,219.0343** |

**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 | 2.6515 | 85.0548 | 22.6993 | 0.4640 | 47.7890 | 0.1469 | 47.9359 | 12.0636 | 0.1405 | 12.2041 | | 49,468.8115 | 49,468.8115 | 2.4694 | | 49,530.5467 |
| 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 |
| Worker | 0.0239 | 0.0114 | 0.1646 | 9.4000e-004 | 0.1643 | 4.0000e-004 | 0.1647 | 0.0436 | 3.7000e-004 | 0.0440 | | 94.0750 | 94.0750 | 8.3000e-004 | | 94.0956 |
| **Total** | **2.6754** | **85.0662** | **22.8639** | **0.4649** | **47.9533** | **0.1473** | **48.1006** | **12.1072** | **0.1409** | **12.2481** | | **49,562.8865** | **49,562.8865** | **2.4702** | | **49,624.6423** |

## 3.4 Grading - 2041

**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 | | | | | 10.1673 | 0.0000 | 10.1673 | 3.8227 | 0.0000 | 3.8227 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7241 | 7.3885 | 22.3122 | 0.0699 | | 0.2250 | 0.2250 | | 0.2250 | 0.2250 | | 7,213.1086 | 7,213.1086 | 0.2370 | | 7,219.0343 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **2.7241** | **7.3885** | **22.3122** | **0.0699** | **10.1673** | **0.2250** | **10.3923** | **3.8227** | **0.2250** | **4.0478** | | **7,213.1086** | **7,213.1086** | **0.2370** | | **7,219.0343** |

## 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 | 2.6515 | 85.0548 | 22.6993 | 0.4640 | 13.7605 | 0.1469 | 13.9074 | 3.7111 | 0.1405 | 3.8517 | | 49,468.8115 | 49,468.8115 | 2.4694 | | 49,530.5467 |
| 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 |
| Worker | 0.0239 | 0.0114 | 0.1646 | 9.4000e-004 | 0.1643 | 4.0000e-004 | 0.1647 | 0.0436 | 3.7000e-004 | 0.0440 | | 94.0750 | 94.0750 | 8.3000e-004 | | 94.0956 |
| **Total** | **2.6754** | **85.0662** | **22.8639** | **0.4649** | **13.9248** | **0.1473** | **14.0721** | **3.7547** | **0.1409** | **3.8956** | | **49,562.8865** | **49,562.8865** | **2.4702** | | **49,624.6423** |

## 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 | | | | | 3.9653 | 0.0000 | 3.9653 | 1.4909 | 0.0000 | 1.4909 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7241 | 7.3885 | 22.3122 | 0.0699 | | 0.2250 | 0.2250 | | 0.2250 | 0.2250 | 0.0000 | 7,213.1086 | 7,213.1086 | 0.2370 | | 7,219.0343 |
| **Total** | **2.7241** | **7.3885** | **22.3122** | **0.0699** | **3.9653** | **0.2250** | **4.1903** | **1.4909** | **0.2250** | **1.7159** | **0.0000** | **7,213.1086** | **7,213.1086** | **0.2370** | | **7,219.0343** |

## 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 | 2.6515 | 85.0548 | 22.6993 | 0.4640 | 13.7605 | 0.1469 | 13.9074 | 3.7111 | 0.1405 | 3.8517 | | 49,468.8115 | 49,468.8115 | 2.4694 | | 49,530.5467 |
| 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 |
| Worker | 0.0239 | 0.0114 | 0.1646 | 9.4000e-004 | 0.1643 | 4.0000e-004 | 0.1647 | 0.0436 | 3.7000e-004 | 0.0440 | | 94.0750 | 94.0750 | 8.3000e-004 | | 94.0956 |
| **Total** | **2.6754** | **85.0662** | **22.8639** | **0.4649** | **13.9248** | **0.1473** | **14.0721** | **3.7547** | **0.1409** | **3.8956** | | **49,562.8865** | **49,562.8865** | **2.4702** | | **49,624.6423** |

## 3.5 Building Construction - 2041

### 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 | 1.1970 | 6.8903 | 16.1185 | 0.0310 | | 0.0737 | 0.0737 | | 0.0737 | 0.0737 | | 2,897.5471 | 2,897.5471 | 0.1041 | | 2,900.1503 |
| **Total** | **1.1970** | **6.8903** | **16.1185** | **0.0310** | | **0.0737** | **0.0737** | | **0.0737** | **0.0737** | | **2,897.5471** | **2,897.5471** | **0.1041** | | **2,900.1503** |

### 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 |
| Vendor | 1.3865 | 54.7366 | 11.1598 | 0.2055 | 5.5071 | 0.0527 | 5.5598 | 1.5855 | 0.0503 | 1.6358 | | 21,733.3072 | 21,733.3072 | 1.1503 | | 21,762.0637 |
| Worker | 2.4564 | 1.1720 | 16.9139 | 0.0967 | 16.8813 | 0.0413 | 16.9226 | 4.4777 | 0.0380 | 4.5157 | | 9,666.2054 | 9,666.2054 | 0.0848 | | 9,668.3262 |
| **Total** | **3.8429** | **55.9087** | **28.0737** | **0.3022** | **22.3884** | **0.0939** | **22.4824** | **6.0632** | **0.0883** | **6.1515** | | **31,399.5126** | **31,399.5126** | **1.2351** | | **31,430.3898** |

## 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 | 1.1970 | 6.8903 | 16.1185 | 0.0310 | | 0.0737 | 0.0737 | | 0.0737 | 0.0737 | 0.0000 | 2,897.5471 | 2,897.5471 | 0.1041 | | 2,900.1503 |
| **Total** | **1.1970** | **6.8903** | **16.1185** | **0.0310** | | **0.0737** | **0.0737** | | **0.0737** | **0.0737** | **0.0000** | **2,897.5471** | **2,897.5471** | **0.1041** | | **2,900.1503** |

## 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 |
| Vendor | 1.3865 | 54.7366 | 11.1598 | 0.2055 | 5.5071 | 0.0527 | 5.5598 | 1.5855 | 0.0503 | 1.6358 | | 21,733.3072 | 21,733.3072 | 1.1503 | | 21,762.0637 |
| Worker | 2.4564 | 1.1720 | 16.9139 | 0.0967 | 16.8813 | 0.0413 | 16.9226 | 4.4777 | 0.0380 | 4.5157 | | 9,666.2054 | 9,666.2054 | 0.0848 | | 9,668.3262 |
| **Total** | **3.8429** | **55.9087** | **28.0737** | **0.3022** | **22.3884** | **0.0939** | **22.4824** | **6.0632** | **0.0883** | **6.1515** | | **31,399.5126** | **31,399.5126** | **1.2351** | | **31,430.3898** |

## 3.5 Building Construction - 2042

### 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 | 1.1970 | 6.8903 | 16.1185 | 0.0310 | | 0.0737 | 0.0737 | | 0.0737 | 0.0737 | | 2,897.5471 | 2,897.5471 | 0.1041 | | 2,900.1503 |
| **Total** | **1.1970** | **6.8903** | **16.1185** | **0.0310** | | **0.0737** | **0.0737** | | **0.0737** | **0.0737** | | **2,897.5471** | **2,897.5471** | **0.1041** | | **2,900.1503** |

### 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 |
| Vendor | 1.3865 | 54.7366 | 11.1598 | 0.2055 | 5.5071 | 0.0527 | 5.5598 | 1.5855 | 0.0503 | 1.6358 | | 21,733.3072 | 21,733.3072 | 1.1503 | | 21,762.0637 |
| Worker | 2.4564 | 1.1720 | 16.9139 | 0.0967 | 16.8813 | 0.0413 | 16.9226 | 4.4777 | 0.0380 | 4.5157 | | 9,666.2054 | 9,666.2054 | 0.0848 | | 9,668.3262 |
| **Total** | **3.8429** | **55.9087** | **28.0737** | **0.3022** | **22.3884** | **0.0939** | **22.4824** | **6.0632** | **0.0883** | **6.1515** | | **31,399.5126** | **31,399.5126** | **1.2351** | | **31,430.3898** |

### 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 | 1.1970 | 6.8903 | 16.1185 | 0.0310 | | 0.0737 | 0.0737 | | 0.0737 | 0.0737 | 0.0000 | 2,897.5471 | 2,897.5471 | 0.1041 | | 2,900.1503 |
| **Total** | **1.1970** | **6.8903** | **16.1185** | **0.0310** | | **0.0737** | **0.0737** | | **0.0737** | **0.0737** | **0.0000** | **2,897.5471** | **2,897.5471** | **0.1041** | | **2,900.1503** |

**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 |
| Vendor | 1.3865 | 54.7366 | 11.1598 | 0.2055 | 5.5071 | 0.0527 | 5.5598 | 1.5855 | 0.0503 | 1.6358 | | 21,733.3072 | 21,733.3072 | 1.1503 | | 21,762.0637 |
| Worker | 2.4564 | 1.1720 | 16.9139 | 0.0967 | 16.8813 | 0.0413 | 16.9226 | 4.4777 | 0.0380 | 4.5157 | | 9,666.2054 | 9,666.2054 | 0.0848 | | 9,668.3262 |
| **Total** | **3.8429** | **55.9087** | **28.0737** | **0.3022** | **22.3884** | **0.0939** | **22.4824** | **6.0632** | **0.0883** | **6.1515** | | **31,399.5126** | **31,399.5126** | **1.2351** | | **31,430.3898** |

## 3.5 Building Construction - 2043

**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 | 1.1970 | 6.8903 | 16.1185 | 0.0310 | | 0.0737 | 0.0737 | | 0.0737 | 0.0737 | | 2,897.5471 | 2,897.5471 | 0.1041 | | 2,900.1503 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **1.1970** | **6.8903** | **16.1185** | **0.0310** | | **0.0737** | **0.0737** | | **0.0737** | **0.0737** | | **2,897.5471** | **2,897.5471** | **0.1041** | | **2,900.1503** |

## 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 |
| Vendor | 1.3865 | 54.7366 | 11.1598 | 0.2055 | 5.5071 | 0.0527 | 5.5598 | 1.5855 | 0.0503 | 1.6358 | | 21,733.3072 | 21,733.3072 | 1.1503 | | 21,762.0637 |
| Worker | 2.4564 | 1.1720 | 16.9139 | 0.0967 | 16.8813 | 0.0413 | 16.9226 | 4.4777 | 0.0380 | 4.5157 | | 9,666.2054 | 9,666.2054 | 0.0848 | | 9,668.3262 |
| **Total** | **3.8429** | **55.9087** | **28.0737** | **0.3022** | **22.3884** | **0.0939** | **22.4824** | **6.0632** | **0.0883** | **6.1515** | | **31,399.5126** | **31,399.5126** | **1.2351** | | **31,430.3898** |

## 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 | 1.1970 | 6.8903 | 16.1185 | 0.0310 | | 0.0737 | 0.0737 | | 0.0737 | 0.0737 | 0.0000 | 2,897.5471 | 2,897.5471 | 0.1041 | | 2,900.1503 |
| **Total** | **1.1970** | **6.8903** | **16.1185** | **0.0310** | | **0.0737** | **0.0737** | | **0.0737** | **0.0737** | **0.0000** | **2,897.5471** | **2,897.5471** | **0.1041** | | **2,900.1503** |

## 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 |
| Vendor | 1.3865 | 54.7366 | 11.1598 | 0.2055 | 5.5071 | 0.0527 | 5.5598 | 1.5855 | 0.0503 | 1.6358 | | 21,733.3072 | 21,733.3072 | 1.1503 | | 21,762.0637 |
| Worker | 2.4564 | 1.1720 | 16.9139 | 0.0967 | 16.8813 | 0.0413 | 16.9226 | 4.4777 | 0.0380 | 4.5157 | | 9,666.2054 | 9,666.2054 | 0.0848 | | 9,668.3262 |
| **Total** | **3.8429** | **55.9087** | **28.0737** | **0.3022** | **22.3884** | **0.0939** | **22.4824** | **6.0632** | **0.0883** | **6.1515** | | **31,399.5126** | **31,399.5126** | **1.2351** | | **31,430.3898** |

## 3.6 Paving - 2043

### 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 | 1.0112 | 3.6566 | 15.8177 | 0.0281 | | 0.1164 | 0.1164 | | 0.1164 | 0.1164 | | 2,656.5168 | 2,656.5168 | 0.0893 | | 2,658.7489 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **1.0112** | **3.6566** | **15.8177** | **0.0281** | | **0.1164** | **0.1164** | | **0.1164** | **0.1164** | | **2,656.5168** | **2,656.5168** | **0.0893** | | **2,658.7489** |

### 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 |
| 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 |
| Worker | 0.0179 | 8.5500e-003 | 0.1235 | 7.1000e-004 | 0.1232 | 3.0000e-004 | 0.1235 | 0.0327 | 2.8000e-004 | 0.0330 | | 70.5562 | 70.5562 | 6.2000e-004 | | 70.5717 |
| **Total** | **0.0179** | **8.5500e-003** | **0.1235** | **7.1000e-004** | **0.1232** | **3.0000e-004** | **0.1235** | **0.0327** | **2.8000e-004** | **0.0330** | | **70.5562** | **70.5562** | **6.2000e-004** | | **70.5717** |

## 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 | 1.0112 | 3.6566 | 15.8177 | 0.0281 | | 0.1164 | 0.1164 | | 0.1164 | 0.1164 | 0.0000 | 2,656.5168 | 2,656.5168 | 0.0893 | | 2,658.7489 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **1.0112** | **3.6566** | **15.8177** | **0.0281** | | **0.1164** | **0.1164** | | **0.1164** | **0.1164** | **0.0000** | **2,656.5168** | **2,656.5168** | **0.0893** | | **2,658.7489** |

## 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 |
| 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 |
| Worker | 0.0179 | 8.5500e-003 | 0.1235 | 7.1000e-004 | 0.1232 | 3.0000e-004 | 0.1235 | 0.0327 | 2.8000e-004 | 0.0330 | | 70.5562 | 70.5562 | 6.2000e-004 | | 70.5717 |
| **Total** | **0.0179** | **8.5500e-003** | **0.1235** | **7.1000e-004** | **0.1232** | **3.0000e-004** | **0.1235** | **0.0327** | **2.8000e-004** | **0.0330** | | **70.5562** | **70.5562** | **6.2000e-004** | | **70.5717** |

## 3.7 Architectural Coating - 2043

### 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 | 62.1181 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1149 | 0.7270 | 1.7923 | 2.9700e-003 | | 7.4300e-003 | 7.4300e-003 | | 7.4300e-003 | 7.4300e-003 | | 281.4481 | 281.4481 | 9.9000e-003 | | 281.6957 |
| **Total** | **62.2330** | **0.7270** | **1.7923** | **2.9700e-003** | | **7.4300e-003** | **7.4300e-003** | | **7.4300e-003** | **7.4300e-003** | | **281.4481** | **281.4481** | **9.9000e-003** | | **281.6957** |

### 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 |
| 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 |
| Worker | 0.4913 | 0.2344 | 3.3828 | 0.0194 | 3.3763 | 8.2500e-003 | 3.3845 | 0.8955 | 7.5900e-003 | 0.9031 | | 1,933.2411 | 1,933.2411 | 0.0170 | | 1,933.6652 |
| **Total** | **0.4913** | **0.2344** | **3.3828** | **0.0194** | **3.3763** | **8.2500e-003** | **3.3845** | **0.8955** | **7.5900e-003** | **0.9031** | | **1,933.2411** | **1,933.2411** | **0.0170** | | **1,933.6652** |

### 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 | 62.1181 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1149 | 0.7270 | 1.7923 | 2.9700e-003 | | 7.4300e-003 | 7.4300e-003 | | 7.4300e-003 | 7.4300e-003 | 0.0000 | 281.4481 | 281.4481 | 9.9000e-003 | | 281.6957 |
| **Total** | **62.2330** | **0.7270** | **1.7923** | **2.9700e-003** | | **7.4300e-003** | **7.4300e-003** | | **7.4300e-003** | **7.4300e-003** | **0.0000** | **281.4481** | **281.4481** | **9.9000e-003** | | **281.6957** |

**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 |
| 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 |
| Worker | 0.4913 | 0.2344 | 3.3828 | 0.0194 | 3.3763 | 8.2500e-003 | 3.3845 | 0.8955 | 7.5900e-003 | 0.9031 | | 1,933.2411 | 1,933.2411 | 0.0170 | | 1,933.6652 |
| **Total** | **0.4913** | **0.2344** | **3.3828** | **0.0194** | **3.3763** | **8.2500e-003** | **3.3845** | **0.8955** | **7.5900e-003** | **0.9031** | | **1,933.2411** | **1,933.2411** | **0.0170** | | **1,933.6652** |

## 3.7 Architectural Coating - 2044

**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 | 62.1181 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road | 0.1149 | 0.7270 | 1.7923 | 2.9700e-003 | | 7.4300e-003 | 7.4300e-003 | | 7.4300e-003 | 7.4300e-003 | | 281.4481 | 281.4481 | 9.9000e-003 | | 281.6957 |
| **Total** | **62.2330** | **0.7270** | **1.7923** | **2.9700e-003** | | **7.4300e-003** | **7.4300e-003** | | **7.4300e-003** | **7.4300e-003** | | **281.4481** | **281.4481** | **9.9000e-003** | | **281.6957** |

## 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 |
| 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 |
| Worker | 0.4913 | 0.2344 | 3.3828 | 0.0194 | 3.3763 | 8.2500e-003 | 3.3845 | 0.8955 | 7.5900e-003 | 0.9031 | | 1,933.2411 | 1,933.2411 | 0.0170 | | 1,933.6652 |
| **Total** | **0.4913** | **0.2344** | **3.3828** | **0.0194** | **3.3763** | **8.2500e-003** | **3.3845** | **0.8955** | **7.5900e-003** | **0.9031** | | **1,933.2411** | **1,933.2411** | **0.0170** | | **1,933.6652** |

## 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 | 62.1181 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1149 | 0.7270 | 1.7923 | 2.9700e-003 | | 7.4300e-003 | 7.4300e-003 | | 7.4300e-003 | 7.4300e-003 | 0.0000 | 281.4481 | 281.4481 | 9.9000e-003 | | 281.6957 |
| **Total** | **62.2330** | **0.7270** | **1.7923** | **2.9700e-003** | | **7.4300e-003** | **7.4300e-003** | | **7.4300e-003** | **7.4300e-003** | **0.0000** | **281.4481** | **281.4481** | **9.9000e-003** | | **281.6957** |

## 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 |
| 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 |
| Worker | 0.4913 | 0.2344 | 3.3828 | 0.0194 | 3.3763 | 8.2500e-003 | 3.3845 | 0.8955 | 7.5900e-003 | 0.9031 | | 1,933.2411 | 1,933.2411 | 0.0170 | | 1,933.6652 |
| **Total** | **0.4913** | **0.2344** | **3.3828** | **0.0194** | **3.3763** | **8.2500e-003** | **3.3845** | **0.8955** | **7.5900e-003** | **0.9031** | | **1,933.2411** | **1,933.2411** | **0.0170** | | **1,933.6652** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

### 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |

| | | | | | |
|---|---|---|---|---|---|
| General Heavy Industry | 0.00 | 0.00 | 0.00 | | |
| General Light Industry | 0.00 | 0.00 | 0.00 | | |
| Manufacturing | 0.00 | 0.00 | 0.00 | | |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | | |
| Regional Shopping Center | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

### 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | 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 |
| General Heavy Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Manufacturing | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Refrigerated Warehouse-No | 9.50 | 7.30 | 7.30 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |

### 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Heavy Industry | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |
| General Light Industry | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |
| Manufacturing | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |
| Refrigerated Warehouse-No Rail | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |
| Regional Shopping Center | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

## 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 | | | | | |
| General Heavy Industry | 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 |
| General Light Industry | 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 |
| Manufacturing | 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 |
| Refrigerated Warehouse-No Rail | 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 |
| Regional Shopping Center | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | | | | | |
| General Heavy Industry | 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 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Light Industry | 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 |
| Manufacturing | 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 |
| Refrigerated Warehouse-No Rail | 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 |
| Regional Shopping Center | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

# 6.0 Area Detail

## 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 | 106.1629 | 4.5200e-003 | 0.5031 | 4.0000e-005 | | 1.7800e-003 | 1.7800e-003 | | 1.7800e-003 | 1.7800e-003 | | 1.0852 | 1.0852 | 2.8000e-003 | | 1.1551 |
| Unmitigated | 106.1629 | 4.5200e-003 | 0.5031 | 4.0000e-005 | | 1.7800e-003 | 1.7800e-003 | | 1.7800e-003 | 1.7800e-003 | | 1.0852 | 1.0852 | 2.8000e-003 | | 1.1551 |

## 6.2 Area by SubCategory

**Unmitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 106.1168 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0460 | 4.5200e-003 | 0.5031 | 4.0000e-005 | | 1.7800e-003 | 1.7800e-003 | | 1.7800e-003 | 1.7800e-003 | | 1.0852 | 1.0852 | 2.8000e-003 | | 1.1551 |
| **Total** | **106.1629** | **4.5200e-003** | **0.5031** | **4.0000e-005** | | **1.7800e-003** | **1.7800e-003** | | **1.7800e-003** | **1.7800e-003** | | **1.0852** | **1.0852** | **2.8000e-003** | | **1.1551** |

**Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 106.1168 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0460 | 4.5200e-003 | 0.5031 | 4.0000e-005 | | 1.7800e-003 | 1.7800e-003 | | 1.7800e-003 | 1.7800e-003 | | 1.0852 | 1.0852 | 2.8000e-003 | | 1.1551 |
| **Total** | **106.1629** | **4.5200e-003** | **0.5031** | **4.0000e-005** | | **1.7800e-003** | **1.7800e-003** | | **1.7800e-003** | **1.7800e-003** | | **1.0852** | **1.0852** | **2.8000e-003** | | **1.1551** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

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

## 10.0 Stationary Equipment

### Fire Pumps and Emergency Generators

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

### Boilers

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

### User Defined Equipment

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

## 11.0 Vegetation

# SCLA Specific Plan - Phase Five - Construction Only

**San Bernardino-Mojave Desert County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Office Building | 65.00 | 1000sqft | 3.75 | 65,000.00 | 0 |
| General Light Industry | 666.67 | 1000sqft | 38.47 | 666,670.00 | 0 |
| Manufacturing | 1,647.33 | 1000sqft | 95.05 | 1,647,330.00 | 0 |
| Unrefrigerated Warehouse-No Rail | 4,942.00 | 1000sqft | 285.15 | 4,942,000.00 | 0 |
| Convenience Market With Gas Pumps | 16.00 | Pump | 0.05 | 2,258.80 | 0 |
| Regional Shopping Center | 10.00 | 1000sqft | 0.58 | 10,000.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.6 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 10 | | | **Operational Year** | 2050 |
| **Utility Company** | Statewide Average | | | | |
| **CO2 Intensity (lb/MWhr)** | 1001.57 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction Only.

Land Use - Anticipated buildout and gross lot acreage.

Construction Phase - anticipated construction schedule over 5 years.

Demolition -

Grading - Cut & fill balanced on site.

Architectural Coating - MDAQMD Rule 1113 50 g/L VOC Limit

Vehicle Trips - Construction Only.

Consumer Products - Construction Emissions Only.

Area Coating - Construction Emissions Only.

Energy Use - Construction Emissions Only.

Water And Wastewater - Construction Emissions Only.

Solid Waste - Construction Emissions Only.

Construction Off-road Equipment Mitigation - MDAQMD Rule 403.2

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblAreaCoating | Area_Nonresidential_Exterior | 3666629 | 0 |
| tblAreaCoating | Area_Nonresidential_Interior | 10999888 | 0 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 15 |
| tblConstructionPhase | NumDays | 550.00 | 540.00 |
| tblConstructionPhase | NumDays | 7,750.00 | 400.00 |
| tblConstructionPhase | NumDays | 500.00 | 160.00 |
| tblConstructionPhase | NumDays | 775.00 | 160.00 |
| tblConstructionPhase | NumDays | 550.00 | 160.00 |
| tblConstructionPhase | NumDays | 300.00 | 140.00 |
| tblEnergyUse | LightingElect | 5.61 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 3.66 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 5.61 | 0.00 |
| tblEnergyUse | LightingElect | 1.17 | 0.00 |

| | | | |
|---|---|---|---|
| tblEnergyUse | NT24E | 2.44 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 2.79 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 2.44 | 0.00 |
| tblEnergyUse | NT24E | 0.82 | 0.00 |
| tblEnergyUse | NT24NG | 0.30 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 0.30 | 0.00 |
| tblEnergyUse | NT24NG | 0.03 | 0.00 |
| tblEnergyUse | T24E | 4.58 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 3.07 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 4.58 | 0.00 |
| tblEnergyUse | T24E | 0.37 | 0.00 |
| tblEnergyUse | T24NG | 1.92 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 3.47 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 1.92 | 0.00 |
| tblEnergyUse | T24NG | 2.00 | 0.00 |
| tblGrading | MaterialExported | 0.00 | 1,157,500.00 |
| tblGrading | MaterialImported | 0.00 | 1,157,500.00 |
| tblLandUse | LotAcreage | 1.49 | 3.75 |
| tblLandUse | LotAcreage | 15.30 | 38.47 |
| tblLandUse | LotAcreage | 37.82 | 95.05 |
| tblLandUse | LotAcreage | 113.45 | 285.15 |
| tblLandUse | LotAcreage | 0.23 | 0.58 |

| | | | |
|---|---|---|---|
| tblSolidWaste | SolidWasteGenerationRate | 826.67 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 60.45 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 2,042.69 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 10.50 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 4,645.48 | 0.00 |
| tblVehicleTrips | ST_TR | 204.47 | 0.00 |
| tblVehicleTrips | ST_TR | 1.32 | 0.00 |
| tblVehicleTrips | ST_TR | 2.46 | 0.00 |
| tblVehicleTrips | ST_TR | 1.49 | 0.00 |
| tblVehicleTrips | ST_TR | 49.97 | 0.00 |
| tblVehicleTrips | ST_TR | 1.68 | 0.00 |
| tblVehicleTrips | SU_TR | 166.88 | 0.00 |
| tblVehicleTrips | SU_TR | 0.68 | 0.00 |
| tblVehicleTrips | SU_TR | 1.05 | 0.00 |
| tblVehicleTrips | SU_TR | 0.62 | 0.00 |
| tblVehicleTrips | SU_TR | 25.24 | 0.00 |
| tblVehicleTrips | SU_TR | 1.68 | 0.00 |
| tblVehicleTrips | WD_TR | 542.60 | 0.00 |
| tblVehicleTrips | WD_TR | 6.97 | 0.00 |
| tblVehicleTrips | WD_TR | 11.03 | 0.00 |
| tblVehicleTrips | WD_TR | 3.82 | 0.00 |
| tblVehicleTrips | WD_TR | 42.70 | 0.00 |
| tblVehicleTrips | WD_TR | 1.68 | 0.00 |
| tblWater | IndoorWaterUseRate | 167,314.87 | 0.00 |
| tblWater | IndoorWaterUseRate | 154,167,437.50 | 0.00 |
| tblWater | IndoorWaterUseRate | 11,552,693.62 | 0.00 |
| tblWater | IndoorWaterUseRate | 380,945,062.50 | 0.00 |
| tblWater | IndoorWaterUseRate | 740,725.21 | 0.00 |
| tblWater | IndoorWaterUseRate | 1,142,837,500.00 | 0.00 |
| tblWater | OutdoorWaterUseRate | 102,547.82 | 0.00 |

| | | | |
|---|---|---|---|
| tblWater | OutdoorWaterUseRate | 7,080,683.19 | 0.00 |
| tblWater | OutdoorWaterUseRate | 453,992.87 | 0.00 |

# 2.0 Emissions Summary

## 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 | | | | | |
| 2045 | 0.2437 | 1.0783 | 2.3551 | 7.5000e-003 | 1.3779 | 0.0236 | 1.4015 | 0.5744 | 0.0236 | 0.5980 | 0.0000 | 659.4797 | 659.4797 | 0.0248 | 0.0000 | 660.0993 |
| 2046 | 0.7277 | 12.9643 | 6.1784 | 0.0727 | 3.4780 | 0.0443 | 3.5222 | 1.1281 | 0.0433 | 1.1715 | 0.0000 | 6,957.8144 | 6,957.8144 | 0.3021 | 0.0000 | 6,965.3671 |
| 2047 | 0.7931 | 11.8298 | 7.3120 | 0.0635 | 4.2765 | 0.0267 | 4.3032 | 1.1600 | 0.0257 | 1.1857 | 0.0000 | 5,943.9198 | 5,943.9198 | 0.2148 | 0.0000 | 5,949.2907 |
| 2048 | 1.0827 | 3.8413 | 3.5408 | 0.0217 | 1.3471 | 0.0175 | 1.3646 | 0.3650 | 0.0172 | 0.3822 | 0.0000 | 2,008.9269 | 2,008.9269 | 0.0711 | 0.0000 | 2,010.7041 |
| 2049 | 8.3048 | 0.1391 | 0.8764 | 4.1800e-003 | 0.6457 | 2.3700e-003 | 0.6481 | 0.1715 | 2.2600e-003 | 0.1738 | 0.0000 | 376.7495 | 376.7495 | 3.9400e-003 | 0.0000 | 376.8480 |
| 2050 | 8.1109 | 0.1348 | 0.8414 | 4.0600e-003 | 0.6308 | 2.2500e-003 | 0.6331 | 0.1676 | 2.1400e-003 | 0.1697 | 0.0000 | 365.9431 | 365.9431 | 3.7700e-003 | 0.0000 | 366.0374 |
| **Maximum** | **8.3048** | **12.9643** | **7.3120** | **0.0727** | **4.2765** | **0.0443** | **4.3032** | **1.1600** | **0.0433** | **1.1857** | **0.0000** | **6,957.8144** | **6,957.8144** | **0.3021** | **0.0000** | **6,965.3671** |

### 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 | | | | | |
| 2045 | 0.2437 | 1.0783 | 2.3551 | 7.5000e-003 | 0.5680 | 0.0236 | 0.5916 | 0.2324 | 0.0236 | 0.2560 | 0.0000 | 659.4791 | 659.4791 | 0.0248 | 0.0000 | 660.0987 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2046 | 0.7277 | 12.9643 | 6.1784 | 0.0727 | 2.7351 | 0.0443 | 2.7793 | 0.8164 | 0.0433 | 0.8598 | 0.0000 | 6,957.8135 | 6,957.8135 | 0.3021 | 0.0000 | 6,965.3663 |
| 2047 | 0.7931 | 11.8298 | 7.3120 | 0.0635 | 4.2765 | 0.0267 | 4.3032 | 1.1600 | 0.0257 | 1.1857 | 0.0000 | 5,943.9194 | 5,943.9194 | 0.2148 | 0.0000 | 5,949.2903 |
| 2048 | 1.0827 | 3.8413 | 3.5408 | 0.0217 | 1.3471 | 0.0175 | 1.3646 | 0.3650 | 0.0172 | 0.3822 | 0.0000 | 2,008.9265 | 2,008.9265 | 0.0711 | 0.0000 | 2,010.7037 |
| 2049 | 8.3048 | 0.1391 | 0.8764 | 4.1800e-003 | 0.6457 | 2.3700e-003 | 0.6481 | 0.1715 | 2.2600e-003 | 0.1738 | 0.0000 | 376.7494 | 376.7494 | 3.9400e-003 | 0.0000 | 376.8480 |
| 2050 | 8.1109 | 0.1348 | 0.8414 | 4.0600e-003 | 0.6308 | 2.2500e-003 | 0.6331 | 0.1676 | 2.1400e-003 | 0.1697 | 0.0000 | 365.9430 | 365.9430 | 3.7700e-003 | 0.0000 | 366.0374 |
| **Maximum** | **8.3048** | **12.9643** | **7.3120** | **0.0727** | **4.2765** | **0.0443** | **4.3032** | **1.1600** | **0.0433** | **1.1857** | **0.0000** | **6,957.8135** | **6,957.8135** | **0.3021** | **0.0000** | **6,965.3663** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **13.21** | **0.00** | **13.08** | **18.33** | **0.00** | **17.76** | **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** | **1-2-2045** | **4-1-2045** | 0.3288 | 0.3288 |
| **2** | **4-2-2045** | **7-1-2045** | 0.3329 | 0.3329 |
| **3** | **7-2-2045** | **10-1-2045** | 0.3319 | 0.3319 |
| **4** | **10-2-2045** | **1-1-2046** | 0.3282 | 0.3282 |
| **5** | **1-2-2046** | **4-1-2046** | 1.9028 | 1.9028 |
| **6** | **4-2-2046** | **7-1-2046** | 4.2353 | 4.2353 |
| **7** | **7-2-2046** | **10-1-2046** | 4.2816 | 4.2816 |
| **8** | **10-2-2046** | **1-1-2047** | 3.1944 | 3.1944 |
| **9** | **1-2-2047** | **4-1-2047** | 3.0779 | 3.0779 |
| **10** | **4-2-2047** | **7-1-2047** | 3.1396 | 3.1396 |
| **11** | **7-2-2047** | **10-1-2047** | 3.1738 | 3.1738 |
| **12** | **10-2-2047** | **1-1-2048** | 3.1460 | 3.1460 |
| **13** | **1-2-2048** | **4-1-2048** | 3.1121 | 3.1121 |
| **14** | **4-2-2048** | **7-1-2048** | 0.6777 | 0.6777 |
| **15** | **7-2-2048** | **10-1-2048** | 0.1541 | 0.1541 |
| **16** | **10-2-2048** | **1-1-2049** | 0.9050 | 0.9050 |
| **17** | **1-2-2049** | **4-1-2049** | 2.0814 | 2.0814 |

| | | | | |
|---|---|---|---|---|
| **18** | **4-2-2049** | **7-1-2049** | 2.1036 | 2.1036 |
| **19** | **7-2-2049** | **10-1-2049** | 2.1268 | 2.1268 |
| **20** | **10-2-2049** | **1-1-2050** | 2.1277 | 2.1277 |
| **21** | **1-2-2050** | **4-1-2050** | 2.0804 | 2.0804 |
| **22** | **4-2-2050** | **7-1-2050** | 2.1025 | 2.1025 |
| **23** | **7-2-2050** | **9-30-2050** | 2.1025 | 2.1025 |
| | | **Highest** | 4.2816 | 4.2816 |

## 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 | 28.6462 | 6.0000e-004 | 0.0671 | 1.0000e-005 | | 2.4000e-004 | 2.4000e-004 | | 2.4000e-004 | 2.4000e-004 | 0.0000 | 0.1313 | 0.1313 | 3.4000e-004 | 0.0000 | 0.1397 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **28.6462** | **6.0000e-004** | **0.0671** | **1.0000e-005** | **0.0000** | **2.4000e-004** | **2.4000e-004** | **0.0000** | **2.4000e-004** | **2.4000e-004** | **0.0000** | **0.1313** | **0.1313** | **3.4000e-004** | **0.0000** | **0.1397** |

### 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 | 28.6462 | 6.0000e-004 | 0.0671 | 1.0000e-005 | | 2.4000e-004 | 2.4000e-004 | | 2.4000e-004 | 2.4000e-004 | 0.0000 | 0.1313 | 0.1313 | 3.4000e-004 | 0.0000 | 0.1397 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **28.6462** | **6.0000e-004** | **0.0671** | **1.0000e-005** | **0.0000** | **2.4000e-004** | **2.4000e-004** | **0.0000** | **2.4000e-004** | **2.4000e-004** | **0.0000** | **0.1313** | **0.1313** | **3.4000e-004** | **0.0000** | **0.1397** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | 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 | Demolition | Demolition | 1/2/2045 | 8/11/2045 | 5 | 160 | |
| 2 | Site Preparation | Site Preparation | 8/12/2045 | 2/23/2046 | 5 | 140 | |
| 3 | Grading | Grading | 2/24/2046 | 10/5/2046 | 5 | 160 | |
| 4 | Building Construction | Building Construction | 10/6/2046 | 4/17/2048 | 5 | 400 | |
| 5 | Paving | Paving | 4/18/2048 | 11/27/2048 | 5 | 160 | |
| 6 | Architectural Coating | Architectural Coating | 11/28/2048 | 12/23/2050 | 5 | 540 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 400**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 10,999,888; Non-Residential Outdoor: 3,666,629; Striped Parking**

### OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Excavators | 3 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| 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 |
| 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 |
| 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 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 6 | 15.00 | 0.00 | 3,873.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 8 | 20.00 | 0.00 | 144,688.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 3,072.00 | 1,202.00 | 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 |
| Architectural Coating | 1 | 614.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

## 3.2 Demolition - 2045

### 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 | | | | | 0.4243 | 0.0000 | 0.4243 | 0.0643 | 0.0000 | 0.0643 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1359 | 0.4245 | 1.4863 | 3.7000e-003 | | 0.0130 | 0.0130 | | 0.0130 | 0.0130 | 0.0000 | 317.7746 | 317.7746 | 0.0108 | 0.0000 | 318.0439 |
| **Total** | **0.1359** | **0.4245** | **1.4863** | **3.7000e-003** | **0.4243** | **0.0130** | **0.4373** | **0.0643** | **0.0130** | **0.0773** | **0.0000** | **317.7746** | **317.7746** | **0.0108** | **0.0000** | **318.0439** |

### 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 | 7.5800e-003 | 0.2529 | 0.0630 | 1.3700e-003 | 0.0333 | 4.3000e-004 | 0.0338 | 9.1500e-003 | 4.1000e-004 | 9.5600e-003 | 0.0000 | 132.6813 | 132.6813 | 6.2000e-003 | 0.0000 | 132.8362 |
| 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 | 1.1300e-003 | 6.6000e-004 | 9.6200e-003 | 6.0000e-005 | 9.6700e-003 | 2.0000e-005 | 9.6900e-003 | 2.5700e-003 | 2.0000e-005 | 2.5900e-003 | 0.0000 | 5.1433 | 5.1433 | 4.0000e-005 | 0.0000 | 5.1443 |
| **Total** | **8.7100e-003** | **0.2536** | **0.0726** | **1.4300e-003** | **0.0430** | **4.5000e-004** | **0.0434** | **0.0117** | **4.3000e-004** | **0.0122** | **0.0000** | **137.8246** | **137.8246** | **6.2400e-003** | **0.0000** | **137.9805** |

### 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 | | | | | 0.1655 | 0.0000 | 0.1655 | 0.0251 | 0.0000 | 0.0251 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1359 | 0.4245 | 1.4863 | 3.7000e-003 | | 0.0130 | 0.0130 | | 0.0130 | 0.0130 | 0.0000 | 317.7742 | 317.7742 | 0.0108 | 0.0000 | 318.0435 |
| **Total** | **0.1359** | **0.4245** | **1.4863** | **3.7000e-003** | **0.1655** | **0.0130** | **0.1785** | **0.0251** | **0.0130** | **0.0381** | **0.0000** | **317.7742** | **317.7742** | **0.0108** | **0.0000** | **318.0435** |

**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 | 7.5800e-003 | 0.2529 | 0.0630 | 1.3700e-003 | 0.0333 | 4.3000e-004 | 0.0338 | 9.1500e-003 | 4.1000e-004 | 9.5600e-003 | 0.0000 | 132.6813 | 132.6813 | 6.2000e-003 | 0.0000 | 132.8362 |
| 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 | 1.1300e-003 | 6.6000e-004 | 9.6200e-003 | 6.0000e-005 | 9.6700e-003 | 2.0000e-005 | 9.6900e-003 | 2.5700e-003 | 2.0000e-005 | 2.5900e-003 | 0.0000 | 5.1433 | 5.1433 | 4.0000e-005 | 0.0000 | 5.1443 |
| **Total** | **8.7100e-003** | **0.2536** | **0.0726** | **1.4300e-003** | **0.0430** | **4.5000e-004** | **0.0434** | **0.0117** | **4.3000e-004** | **0.0122** | **0.0000** | **137.8246** | **137.8246** | **6.2400e-003** | **0.0000** | **137.9805** |

## 3.3 Site Preparation - 2045

**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 | | | | | 0.9033 | 0.0000 | 0.9033 | 0.4965 | 0.0000 | 0.4965 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0983 | 0.3997 | 0.7890 | 2.3300e-003 | | 0.0101 | 0.0101 | | 0.0101 | 0.0101 | 0.0000 | 200.0231 | 200.0231 | 7.7400e-003 | 0.0000 | 200.2166 |
| **Total** | **0.0983** | **0.3997** | **0.7890** | **2.3300e-003** | **0.9033** | **0.0101** | **0.9134** | **0.4965** | **0.0101** | **0.5067** | **0.0000** | **200.0231** | **200.0231** | **7.7400e-003** | **0.0000** | **200.2166** |

## Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 8.5000e-004 | 5.0000e-004 | 7.2200e-003 | 4.0000e-005 | 7.2500e-003 | 2.0000e-005 | 7.2700e-003 | 1.9300e-003 | 1.0000e-005 | 1.9400e-003 | 0.0000 | 3.8575 | 3.8575 | 3.0000e-005 | 0.0000 | 3.8582 |
| **Total** | **8.5000e-004** | **5.0000e-004** | **7.2200e-003** | **4.0000e-005** | **7.2500e-003** | **2.0000e-005** | **7.2700e-003** | **1.9300e-003** | **1.0000e-005** | **1.9400e-003** | **0.0000** | **3.8575** | **3.8575** | **3.0000e-005** | **0.0000** | **3.8582** |

## 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 | | | | | 0.3523 | 0.0000 | 0.3523 | 0.1937 | 0.0000 | 0.1937 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0983 | 0.3997 | 0.7890 | 2.3300e-003 | | 0.0101 | 0.0101 | | 0.0101 | 0.0101 | 0.0000 | 200.0228 | 200.0228 | 7.7400e-003 | 0.0000 | 200.2164 |
| **Total** | **0.0983** | **0.3997** | **0.7890** | **2.3300e-003** | **0.3523** | **0.0101** | **0.3624** | **0.1937** | **0.0101** | **0.2038** | **0.0000** | **200.0228** | **200.0228** | **7.7400e-003** | **0.0000** | **200.2164** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 8.5000e-004 | 5.0000e-004 | 7.2200e-003 | 4.0000e-005 | 7.2500e-003 | 2.0000e-005 | 7.2700e-003 | 1.9300e-003 | 1.0000e-005 | 1.9400e-003 | 0.0000 | 3.8575 | 3.8575 | 3.0000e-005 | 0.0000 | 3.8582 |
| **Total** | **8.5000e-004** | **5.0000e-004** | **7.2200e-003** | **4.0000e-005** | **7.2500e-003** | **2.0000e-005** | **7.2700e-003** | **1.9300e-003** | **1.0000e-005** | **1.9400e-003** | **0.0000** | **3.8575** | **3.8575** | **3.0000e-005** | **0.0000** | **3.8582** |

## 3.3 Site Preparation - 2046

**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 | | | | | 0.3613 | 0.0000 | 0.3613 | 0.1986 | 0.0000 | 0.1986 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0393 | 0.1599 | 0.3156 | 9.3000e-004 | | 4.0500e-003 | 4.0500e-003 | | 4.0500e-003 | 4.0500e-003 | 0.0000 | 80.0092 | 80.0092 | 3.1000e-003 | 0.0000 | 80.0867 |
| **Total** | **0.0393** | **0.1599** | **0.3156** | **9.3000e-004** | **0.3613** | **4.0500e-003** | **0.3654** | **0.1986** | **4.0500e-003** | **0.2027** | **0.0000** | **80.0092** | **80.0092** | **3.1000e-003** | **0.0000** | **80.0867** |

**Unmitigated Construction Off-Site**

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

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.4000e-004 | 2.0000e-004 | 2.8900e-003 | 2.0000e-005 | 2.9000e-003 | 1.0000e-005 | 2.9100e-003 | 7.7000e-004 | 1.0000e-005 | 7.8000e-004 | 0.0000 | 1.5430 | 1.5430 | 1.0000e-005 | 0.0000 | 1.5433 |
| **Total** | **3.4000e-004** | **2.0000e-004** | **2.8900e-003** | **2.0000e-005** | **2.9000e-003** | **1.0000e-005** | **2.9100e-003** | **7.7000e-004** | **1.0000e-005** | **7.8000e-004** | **0.0000** | **1.5430** | **1.5430** | **1.0000e-005** | **0.0000** | **1.5433** |

## 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 | | | | | 0.1409 | 0.0000 | 0.1409 | 0.0775 | 0.0000 | 0.0775 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0393 | 0.1599 | 0.3156 | 9.3000e-004 | | 4.0500e-003 | 4.0500e-003 | | 4.0500e-003 | 4.0500e-003 | 0.0000 | 80.0091 | 80.0091 | 3.1000e-003 | 0.0000 | 80.0866 |
| **Total** | **0.0393** | **0.1599** | **0.3156** | **9.3000e-004** | **0.1409** | **4.0500e-003** | **0.1450** | **0.0775** | **4.0500e-003** | **0.0815** | **0.0000** | **80.0091** | **80.0091** | **3.1000e-003** | **0.0000** | **80.0866** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.4000e-004 | 2.0000e-004 | 2.8900e-003 | 2.0000e-005 | 2.9000e-003 | 1.0000e-005 | 2.9100e-003 | 7.7000e-004 | 1.0000e-005 | 7.8000e-004 | 0.0000 | 1.5430 | 1.5430 | 1.0000e-005 | 0.0000 | 1.5433 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **3.4000e-004** | **2.0000e-004** | **2.8900e-003** | **2.0000e-005** | **2.9000e-003** | **1.0000e-005** | **2.9100e-003** | **7.7000e-004** | **1.0000e-005** | **7.8000e-004** | **0.0000** | **1.5430** | **1.5430** | **1.0000e-005** | **0.0000** | **1.5433** |

## 3.4 Grading - 2046

### 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 | | | | | 0.8565 | 0.0000 | 0.8565 | 0.3124 | 0.0000 | 0.3124 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.2179 | 0.5911 | 1.7850 | 5.6000e-003 | | 0.0180 | 0.0180 | | 0.0180 | 0.0180 | 0.0000 | 523.4898 | 523.4898 | 0.0172 | 0.0000 | 523.9198 |
| **Total** | **0.2179** | **0.5911** | **1.7850** | **5.6000e-003** | **0.8565** | **0.0180** | **0.8745** | **0.3124** | **0.0180** | **0.3304** | **0.0000** | **523.4898** | **523.4898** | **0.0172** | **0.0000** | **523.9198** |

### 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 | 0.2833 | 9.4474 | 2.3532 | 0.0513 | 1.2448 | 0.0159 | 1.2608 | 0.3419 | 0.0153 | 0.3571 | 0.0000 | 4,956.7227 | 4,956.7227 | 0.2315 | 0.0000 | 4,962.5110 |
| 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 | 1.5100e-003 | 8.8000e-004 | 0.0128 | 8.0000e-005 | 0.0129 | 3.0000e-005 | 0.0129 | 3.4200e-003 | 3.0000e-005 | 3.4500e-003 | 0.0000 | 6.8577 | 6.8577 | 6.0000e-005 | 0.0000 | 6.8591 |
| **Total** | **0.2848** | **9.4483** | **2.3660** | **0.0513** | **1.2577** | **0.0160** | **1.2737** | **0.3453** | **0.0153** | **0.3606** | **0.0000** | **4,963.5804** | **4,963.5804** | **0.2316** | **0.0000** | **4,969.3701** |

### 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 | | | | | 0.3340 | 0.0000 | 0.3340 | 0.1218 | 0.0000 | 0.1218 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.2179 | 0.5911 | 1.7850 | 5.6000e-003 | | 0.0180 | 0.0180 | | 0.0180 | 0.0180 | 0.0000 | 523.4891 | 523.4891 | 0.0172 | 0.0000 | 523.9192 |
| **Total** | **0.2179** | **0.5911** | **1.7850** | **5.6000e-003** | **0.3340** | **0.0180** | **0.3520** | **0.1218** | **0.0180** | **0.1398** | **0.0000** | **523.4891** | **523.4891** | **0.0172** | **0.0000** | **523.9192** |

**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 | 0.2833 | 9.4474 | 2.3532 | 0.0513 | 1.2448 | 0.0159 | 1.2608 | 0.3419 | 0.0153 | 0.3571 | 0.0000 | 4,956.7227 | 4,956.7227 | 0.2315 | 0.0000 | 4,962.5110 |
| 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 | 1.5100e-003 | 8.8000e-004 | 0.0128 | 8.0000e-005 | 0.0129 | 3.0000e-005 | 0.0129 | 3.4200e-003 | 3.0000e-005 | 3.4500e-003 | 0.0000 | 6.8577 | 6.8577 | 6.0000e-005 | 0.0000 | 6.8591 |
| **Total** | **0.2848** | **9.4483** | **2.3660** | **0.0513** | **1.2577** | **0.0160** | **1.2737** | **0.3453** | **0.0153** | **0.3606** | **0.0000** | **4,963.5804** | **4,963.5804** | **0.2316** | **0.0000** | **4,969.3701** |

## 3.5 Building Construction - 2046

**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 | 0.0365 | 0.2102 | 0.4916 | 9.4000e-004 | | 2.2500e-003 | 2.2500e-003 | | 2.2500e-003 | 2.2500e-003 | 0.0000 | 80.1726 | 80.1726 | 2.8800e-003 | 0.0000 | 80.2447 |
| **Total** | **0.0365** | **0.2102** | **0.4916** | **9.4000e-004** | | **2.2500e-003** | **2.2500e-003** | | **2.2500e-003** | **2.2500e-003** | **0.0000** | **80.1726** | **80.1726** | **2.8800e-003** | **0.0000** | **80.2447** |

## 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 | 0.0604 | 2.5030 | 0.4660 | 9.4600e-003 | 0.2445 | 2.3500e-003 | 0.2468 | 0.0706 | 2.2500e-003 | 0.0728 | 0.0000 | 907.4322 | 907.4322 | 0.0441 | 0.0000 | 908.5346 |
| Worker | 0.0884 | 0.0517 | 0.7513 | 4.4300e-003 | 0.7550 | 1.6400e-003 | 0.7567 | 0.2006 | 1.5100e-003 | 0.2021 | 0.0000 | 401.5871 | 401.5871 | 3.2400e-003 | 0.0000 | 401.6681 |
| **Total** | **0.1488** | **2.5547** | **1.2173** | **0.0139** | **0.9995** | **3.9900e-003** | **1.0035** | **0.2711** | **3.7600e-003** | **0.2749** | **0.0000** | **1,309.0194** | **1,309.0194** | **0.0473** | **0.0000** | **1,310.2026** |

## 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 | 0.0365 | 0.2102 | 0.4916 | 9.4000e-004 | | 2.2500e-003 | 2.2500e-003 | | 2.2500e-003 | 2.2500e-003 | 0.0000 | 80.1725 | 80.1725 | 2.8800e-003 | 0.0000 | 80.2446 |
| **Total** | **0.0365** | **0.2102** | **0.4916** | **9.4000e-004** | | **2.2500e-003** | **2.2500e-003** | | **2.2500e-003** | **2.2500e-003** | **0.0000** | **80.1725** | **80.1725** | **2.8800e-003** | **0.0000** | **80.2446** |

**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 | 0.0604 | 2.5030 | 0.4660 | 9.4600e-003 | 0.2445 | 2.3500e-003 | 0.2468 | 0.0706 | 2.2500e-003 | 0.0728 | 0.0000 | 907.4322 | 907.4322 | 0.0441 | 0.0000 | 908.5346 |
| Worker | 0.0884 | 0.0517 | 0.7513 | 4.4300e-003 | 0.7550 | 1.6400e-003 | 0.7567 | 0.2006 | 1.5100e-003 | 0.2021 | 0.0000 | 401.5871 | 401.5871 | 3.2400e-003 | 0.0000 | 401.6681 |
| **Total** | **0.1488** | **2.5547** | **1.2173** | **0.0139** | **0.9995** | **3.9900e-003** | **1.0035** | **0.2711** | **3.7600e-003** | **0.2749** | **0.0000** | **1,309.0194** | **1,309.0194** | **0.0473** | **0.0000** | **1,310.2026** |

## 3.5 Building Construction - 2047

**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 | 0.1562 | 0.8992 | 2.1035 | 4.0400e-003 | | 9.6200e-003 | 9.6200e-003 | | 9.6200e-003 | 9.6200e-003 | 0.0000 | 343.0337 | 343.0337 | 0.0123 | 0.0000 | 343.3419 |
| **Total** | **0.1562** | **0.8992** | **2.1035** | **4.0400e-003** | | **9.6200e-003** | **9.6200e-003** | | **9.6200e-003** | **9.6200e-003** | **0.0000** | **343.0337** | **343.0337** | **0.0123** | **0.0000** | **343.3419** |

**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 | 0.2585 | 10.7095 | 1.9938 | 0.0405 | 1.0460 | 0.0101 | 1.0560 | 0.3018 | 9.6100e-003 | 0.3115 | 0.0000 | 3,882.6199 | 3,882.6199 | 0.1887 | 0.0000 | 3,887.3364 |
| Worker | 0.3783 | 0.2212 | 3.2147 | 0.0190 | 3.2305 | 7.0200e-003 | 3.2376 | 0.8581 | 6.4500e-003 | 0.8646 | 0.0000 | 1,718.2662 | 1,718.2662 | 0.0139 | 0.0000 | 1,718.6125 |
| **Total** | **0.6369** | **10.9306** | **5.2085** | **0.0594** | **4.2765** | **0.0171** | **4.2936** | **1.1600** | **0.0161** | **1.1760** | **0.0000** | **5,600.8861** | **5,600.8861** | **0.2025** | **0.0000** | **5,605.9488** |

## 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 | 0.1562 | 0.8992 | 2.1035 | 4.0400e-003 | | 9.6200e-003 | 9.6200e-003 | | 9.6200e-003 | 9.6200e-003 | 0.0000 | 343.0333 | 343.0333 | 0.0123 | 0.0000 | 343.3415 |
| **Total** | **0.1562** | **0.8992** | **2.1035** | **4.0400e-003** | | **9.6200e-003** | **9.6200e-003** | | **9.6200e-003** | **9.6200e-003** | **0.0000** | **343.0333** | **343.0333** | **0.0123** | **0.0000** | **343.3415** |

## 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 | 0.2585 | 10.7095 | 1.9938 | 0.0405 | 1.0460 | 0.0101 | 1.0560 | 0.3018 | 9.6100e-003 | 0.3115 | 0.0000 | 3,882.6199 | 3,882.6199 | 0.1887 | 0.0000 | 3,887.3364 |
| Worker | 0.3783 | 0.2212 | 3.2147 | 0.0190 | 3.2305 | 7.0200e-003 | 3.2376 | 0.8581 | 6.4500e-003 | 0.8646 | 0.0000 | 1,718.2662 | 1,718.2662 | 0.0139 | 0.0000 | 1,718.6125 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **0.6369** | **10.9306** | **5.2085** | **0.0594** | **4.2765** | **0.0171** | **4.2936** | **1.1600** | **0.0161** | **1.1760** | **0.0000** | **5,600.8861** | **5,600.8861** | **0.2025** | **0.0000** | **5,605.9488** |

## 3.5 Building Construction - 2048

### 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 | 0.0467 | 0.2687 | 0.6286 | 1.2100e-003 | | 2.8800e-003 | 2.8800e-003 | | 2.8800e-003 | 2.8800e-003 | 0.0000 | 102.5158 | 102.5158 | 3.6800e-003 | 0.0000 | 102.6079 |
| **Total** | **0.0467** | **0.2687** | **0.6286** | **1.2100e-003** | | **2.8800e-003** | **2.8800e-003** | | **2.8800e-003** | **2.8800e-003** | **0.0000** | **102.5158** | **102.5158** | **3.6800e-003** | **0.0000** | **102.6079** |

### 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 | 0.0773 | 3.2005 | 0.5958 | 0.0121 | 0.3126 | 3.0000e-003 | 0.3156 | 0.0902 | 2.8700e-003 | 0.0931 | 0.0000 | 1,160.3232 | 1,160.3232 | 0.0564 | 0.0000 | 1,161.7327 |
| Worker | 0.1131 | 0.0661 | 0.9607 | 5.6600e-003 | 0.9655 | 2.1000e-003 | 0.9675 | 0.2565 | 1.9300e-003 | 0.2584 | 0.0000 | 513.5048 | 513.5048 | 4.1400e-003 | 0.0000 | 513.6083 |
| **Total** | **0.1903** | **3.2666** | **1.5566** | **0.0178** | **1.2780** | **5.1000e-003** | **1.2831** | **0.3467** | **4.8000e-003** | **0.3515** | **0.0000** | **1,673.8280** | **1,673.8280** | **0.0605** | **0.0000** | **1,675.3410** |

### 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 | 0.0467 | 0.2687 | 0.6286 | 1.2100e-003 | | 2.8800e-003 | 2.8800e-003 | | 2.8800e-003 | 2.8800e-003 | 0.0000 | 102.5157 | 102.5157 | 3.6800e-003 | 0.0000 | 102.6078 |
| **Total** | **0.0467** | **0.2687** | **0.6286** | **1.2100e-003** | | **2.8800e-003** | **2.8800e-003** | | **2.8800e-003** | **2.8800e-003** | **0.0000** | **102.5157** | **102.5157** | **3.6800e-003** | **0.0000** | **102.6078** |

**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 | 0.0773 | 3.2005 | 0.5958 | 0.0121 | 0.3126 | 3.0000e-003 | 0.3156 | 0.0902 | 2.8700e-003 | 0.0931 | 0.0000 | 1,160.3232 | 1,160.3232 | 0.0564 | 0.0000 | 1,161.7327 |
| Worker | 0.1131 | 0.0661 | 0.9607 | 5.6600e-003 | 0.9655 | 2.1000e-003 | 0.9675 | 0.2565 | 1.9300e-003 | 0.2584 | 0.0000 | 513.5048 | 513.5048 | 4.1400e-003 | 0.0000 | 513.6083 |
| **Total** | **0.1903** | **3.2666** | **1.5566** | **0.0178** | **1.2780** | **5.1000e-003** | **1.2831** | **0.3467** | **4.8000e-003** | **0.3515** | **0.0000** | **1,673.8280** | **1,673.8280** | **0.0605** | **0.0000** | **1,675.3410** |

## 3.6 Paving - 2048

**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 | 0.0809 | 0.2925 | 1.2654 | 2.2400e-003 | | 9.3100e-003 | 9.3100e-003 | | 9.3100e-003 | 9.3100e-003 | 0.0000 | 192.7961 | 192.7961 | 6.4800e-003 | 0.0000 | 192.9581 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0809** | **0.2925** | **1.2654** | **2.2400e-003** | | **9.3100e-003** | **9.3100e-003** | | **9.3100e-003** | **9.3100e-003** | **0.0000** | **192.7961** | **192.7961** | **6.4800e-003** | **0.0000** | **192.9581** |

## 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 | 1.1300e-003 | 6.6000e-004 | 9.6200e-003 | 6.0000e-005 | 9.6700e-003 | 2.0000e-005 | 9.6900e-003 | 2.5700e-003 | 2.0000e-005 | 2.5900e-003 | 0.0000 | 5.1433 | 5.1433 | 4.0000e-005 | 0.0000 | 5.1443 |
| **Total** | **1.1300e-003** | **6.6000e-004** | **9.6200e-003** | **6.0000e-005** | **9.6700e-003** | **2.0000e-005** | **9.6900e-003** | **2.5700e-003** | **2.0000e-005** | **2.5900e-003** | **0.0000** | **5.1433** | **5.1433** | **4.0000e-005** | **0.0000** | **5.1443** |

## 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 | 0.0809 | 0.2925 | 1.2654 | 2.2400e-003 | | 9.3100e-003 | 9.3100e-003 | | 9.3100e-003 | 9.3100e-003 | 0.0000 | 192.7959 | 192.7959 | 6.4800e-003 | 0.0000 | 192.9579 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0809** | **0.2925** | **1.2654** | **2.2400e-003** | | **9.3100e-003** | **9.3100e-003** | | **9.3100e-003** | **9.3100e-003** | **0.0000** | **192.7959** | **192.7959** | **6.4800e-003** | **0.0000** | **192.9579** |

**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 | 1.1300e-003 | 6.6000e-004 | 9.6200e-003 | 6.0000e-005 | 9.6700e-003 | 2.0000e-005 | 9.6900e-003 | 2.5700e-003 | 2.0000e-005 | 2.5900e-003 | 0.0000 | 5.1433 | 5.1433 | 4.0000e-005 | 0.0000 | 5.1443 |
| **Total** | **1.1300e-003** | **6.6000e-004** | **9.6200e-003** | **6.0000e-005** | **9.6700e-003** | **2.0000e-005** | **9.6900e-003** | **2.5700e-003** | **2.0000e-005** | **2.5900e-003** | **0.0000** | **5.1433** | **5.1433** | **4.0000e-005** | **0.0000** | **5.1443** |

## 3.7 Architectural Coating - 2048

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.7553 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.3800e-003 | 8.7200e-003 | 0.0215 | 4.0000e-005 | | 9.0000e-005 | 9.0000e-005 | | 9.0000e-005 | 9.0000e-005 | 0.0000 | 3.0639 | 3.0639 | 1.1000e-004 | 0.0000 | 3.0666 |
| **Total** | **0.7567** | **8.7200e-003** | **0.0215** | **4.0000e-005** | | **9.0000e-005** | **9.0000e-005** | | **9.0000e-005** | **9.0000e-005** | **0.0000** | **3.0639** | **3.0639** | **1.1000e-004** | **0.0000** | **3.0666** |

**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 | 6.9500e-003 | 4.0700e-003 | 0.0591 | 3.5000e-004 | 0.0594 | 1.3000e-004 | 0.0595 | 0.0158 | 1.2000e-004 | 0.0159 | 0.0000 | 31.5797 | 31.5797 | 2.5000e-004 | 0.0000 | 31.5861 |
| **Total** | **6.9500e-003** | **4.0700e-003** | **0.0591** | **3.5000e-004** | **0.0594** | **1.3000e-004** | **0.0595** | **0.0158** | **1.2000e-004** | **0.0159** | **0.0000** | **31.5797** | **31.5797** | **2.5000e-004** | **0.0000** | **31.5861** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.7553 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.3800e-003 | 8.7200e-003 | 0.0215 | 4.0000e-005 | | 9.0000e-005 | 9.0000e-005 | | 9.0000e-005 | 9.0000e-005 | 0.0000 | 3.0639 | 3.0639 | 1.1000e-004 | 0.0000 | 3.0666 |
| **Total** | **0.7567** | **8.7200e-003** | **0.0215** | **4.0000e-005** | | **9.0000e-005** | **9.0000e-005** | | **9.0000e-005** | **9.0000e-005** | **0.0000** | **3.0639** | **3.0639** | **1.1000e-004** | **0.0000** | **3.0666** |

## 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 | 6.9500e-003 | 4.0700e-003 | 0.0591 | 3.5000e-004 | 0.0594 | 1.3000e-004 | 0.0595 | 0.0158 | 1.2000e-004 | 0.0159 | 0.0000 | 31.5797 | 31.5797 | 2.5000e-004 | 0.0000 | 31.5861 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **6.9500e-003** | **4.0700e-003** | **0.0591** | **3.5000e-004** | **0.0594** | **1.3000e-004** | **0.0595** | **0.0158** | **1.2000e-004** | **0.0159** | **0.0000** | **31.5797** | **31.5797** | **2.5000e-004** | **0.0000** | **31.5861** |

## 3.7 Architectural Coating - 2049

### 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 | 8.2142 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0150 | 0.0949 | 0.2339 | 3.9000e-004 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | 0.0000 | 33.3200 | 33.3200 | 1.1700e-003 | 0.0000 | 33.3493 |
| **Total** | **8.2292** | **0.0949** | **0.2339** | **3.9000e-004** | | **9.7000e-004** | **9.7000e-004** | | **9.7000e-004** | **9.7000e-004** | **0.0000** | **33.3200** | **33.3200** | **1.1700e-003** | **0.0000** | **33.3493** |

### 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 | 0.0756 | 0.0442 | 0.6425 | 3.7900e-003 | 0.6457 | 1.4000e-003 | 0.6471 | 0.1715 | 1.2900e-003 | 0.1728 | 0.0000 | 343.4295 | 343.4295 | 2.7700e-003 | 0.0000 | 343.4987 |
| **Total** | **0.0756** | **0.0442** | **0.6425** | **3.7900e-003** | **0.6457** | **1.4000e-003** | **0.6471** | **0.1715** | **1.2900e-003** | **0.1728** | **0.0000** | **343.4295** | **343.4295** | **2.7700e-003** | **0.0000** | **343.4987** |

### 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 | 8.2142 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0150 | 0.0949 | 0.2339 | 3.9000e-004 | | 9.7000e-004 | 9.7000e-004 | | 9.7000e-004 | 9.7000e-004 | 0.0000 | 33.3199 | 33.3199 | 1.1700e-003 | 0.0000 | 33.3492 |
| **Total** | **8.2292** | **0.0949** | **0.2339** | **3.9000e-004** | | **9.7000e-004** | **9.7000e-004** | | **9.7000e-004** | **9.7000e-004** | **0.0000** | **33.3199** | **33.3199** | **1.1700e-003** | **0.0000** | **33.3492** |

**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 | 0.0756 | 0.0442 | 0.6425 | 3.7900e-003 | 0.6457 | 1.4000e-003 | 0.6471 | 0.1715 | 1.2900e-003 | 0.1728 | 0.0000 | 343.4295 | 343.4295 | 2.7700e-003 | 0.0000 | 343.4987 |
| **Total** | **0.0756** | **0.0442** | **0.6425** | **3.7900e-003** | **0.6457** | **1.4000e-003** | **0.6471** | **0.1715** | **1.2900e-003** | **0.1728** | **0.0000** | **343.4295** | **343.4295** | **2.7700e-003** | **0.0000** | **343.4987** |

## 3.7 Architectural Coating - 2050

**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 | 8.0253 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0147 | 0.0927 | 0.2285 | 3.8000e-004 | | 9.5000e-004 | 9.5000e-004 | | 9.5000e-004 | 9.5000e-004 | 0.0000 | 32.5540 | 32.5540 | 1.1500e-003 | 0.0000 | 32.5826 |
| **Total** | **8.0400** | **0.0927** | **0.2285** | **3.8000e-004** | | **9.5000e-004** | **9.5000e-004** | | **9.5000e-004** | **9.5000e-004** | **0.0000** | **32.5540** | **32.5540** | **1.1500e-003** | **0.0000** | **32.5826** |

## 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 | 0.0710 | 0.0421 | 0.6128 | 3.6800e-003 | 0.6308 | 1.3000e-003 | 0.6321 | 0.1676 | 1.2000e-003 | 0.1688 | 0.0000 | 333.3891 | 333.3891 | 2.6300e-003 | 0.0000 | 333.4548 |
| **Total** | **0.0710** | **0.0421** | **0.6128** | **3.6800e-003** | **0.6308** | **1.3000e-003** | **0.6321** | **0.1676** | **1.2000e-003** | **0.1688** | **0.0000** | **333.3891** | **333.3891** | **2.6300e-003** | **0.0000** | **333.4548** |

## 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 | 8.0253 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0147 | 0.0927 | 0.2285 | 3.8000e-004 | | 9.5000e-004 | 9.5000e-004 | | 9.5000e-004 | 9.5000e-004 | 0.0000 | 32.5540 | 32.5540 | 1.1500e-003 | 0.0000 | 32.5826 |
| **Total** | **8.0400** | **0.0927** | **0.2285** | **3.8000e-004** | | **9.5000e-004** | **9.5000e-004** | | **9.5000e-004** | **9.5000e-004** | **0.0000** | **32.5540** | **32.5540** | **1.1500e-003** | **0.0000** | **32.5826** |

**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 | 0.0710 | 0.0421 | 0.6128 | 3.6800e-003 | 0.6308 | 1.3000e-003 | 0.6321 | 0.1676 | 1.2000e-003 | 0.1688 | 0.0000 | 333.3891 | 333.3891 | 2.6300e-003 | 0.0000 | 333.4548 |
| **Total** | **0.0710** | **0.0421** | **0.6128** | **3.6800e-003** | **0.6308** | **1.3000e-003** | **0.6321** | **0.1676** | **1.2000e-003** | **0.1688** | **0.0000** | **333.3891** | **333.3891** | **2.6300e-003** | **0.0000** | **333.4548** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

### 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Convenience Market With Gas Pumps | 0.00 | 0.00 | 0.00 | | |
| General Light Industry | 0.00 | 0.00 | 0.00 | | |
| General Office Building | 0.00 | 0.00 | 0.00 | | |
| Manufacturing | 0.00 | 0.00 | 0.00 | | |
| Regional Shopping Center | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

### 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | 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 |
| Convenience Market With Gas Pumps | 9.50 | 7.30 | 7.30 | 0.80 | 80.20 | 19.00 | 14 | 21 | 65 |
| General Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| Manufacturing | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |
| Unrefrigerated Warehouse-No Rail | 9.50 | 7.30 | 7.30 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Convenience Market With Gas Pumps | 0.570617 | 0.032735 | 0.184950 | 0.099134 | 0.008595 | 0.004048 | 0.019079 | 0.071705 | 0.001393 | 0.001267 | 0.005268 | 0.000701 | 0.000507 |
| General Light Industry | 0.570617 | 0.032735 | 0.184950 | 0.099134 | 0.008595 | 0.004048 | 0.019079 | 0.071705 | 0.001393 | 0.001267 | 0.005268 | 0.000701 | 0.000507 |
| General Office Building | 0.570617 | 0.032735 | 0.184950 | 0.099134 | 0.008595 | 0.004048 | 0.019079 | 0.071705 | 0.001393 | 0.001267 | 0.005268 | 0.000701 | 0.000507 |
| Manufacturing | 0.570617 | 0.032735 | 0.184950 | 0.099134 | 0.008595 | 0.004048 | 0.019079 | 0.071705 | 0.001393 | 0.001267 | 0.005268 | 0.000701 | 0.000507 |
| Regional Shopping Center | 0.570617 | 0.032735 | 0.184950 | 0.099134 | 0.008595 | 0.004048 | 0.019079 | 0.071705 | 0.001393 | 0.001267 | 0.005268 | 0.000701 | 0.000507 |
| Unrefrigerated Warehouse-No Rail | 0.570617 | 0.032735 | 0.184950 | 0.099134 | 0.008595 | 0.004048 | 0.019079 | 0.071705 | 0.001393 | 0.001267 | 0.005268 | 0.000701 | 0.000507 |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

## 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 | | | | | |
| Convenience Market With Gas Pumps | 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 |
| General Light Industry | 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 |
| General Office Building | 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 |
| Manufacturing | 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 |
| Regional Shopping Center | 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 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | | | | | |
| Convenience Market With Gas Pumps | 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 |
| General Light Industry | 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 |
| General Office Building | 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 |
| Manufacturing | 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 |
| Regional Shopping Center | 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 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 5.3 Energy by Land Use - Electricity

**Unmitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Convenience Market With Gas Pumps | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Office Building | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | |
|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**Mitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Convenience Market With Gas Pumps | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Office Building | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

# 6.0 Area Detail

## 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 | 28.6462 | 6.0000e-004 | 0.0671 | 1.0000e-005 | | 2.4000e-004 | 2.4000e-004 | | 2.4000e-004 | 2.4000e-004 | 0.0000 | 0.1313 | 0.1313 | 3.4000e-004 | 0.0000 | 0.1397 |
| Unmitigated | 28.6462 | 6.0000e-004 | 0.0671 | 1.0000e-005 | | 2.4000e-004 | 2.4000e-004 | | 2.4000e-004 | 2.4000e-004 | 0.0000 | 0.1313 | 0.1313 | 3.4000e-004 | 0.0000 | 0.1397 |

## 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 | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 28.6400 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 6.1400e-003 | 6.0000e-004 | 0.0671 | 1.0000e-005 | | 2.4000e-004 | 2.4000e-004 | | 2.4000e-004 | 2.4000e-004 | 0.0000 | 0.1313 | 0.1313 | 3.4000e-004 | 0.0000 | 0.1397 |
| **Total** | **28.6462** | **6.0000e-004** | **0.0671** | **1.0000e-005** | | **2.4000e-004** | **2.4000e-004** | | **2.4000e-004** | **2.4000e-004** | **0.0000** | **0.1313** | **0.1313** | **3.4000e-004** | **0.0000** | **0.1397** |

### 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 | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 28.6400 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 6.1400e-003 | 6.0000e-004 | 0.0671 | 1.0000e-005 | | 2.4000e-004 | 2.4000e-004 | | 2.4000e-004 | 2.4000e-004 | 0.0000 | 0.1313 | 0.1313 | 3.4000e-004 | 0.0000 | 0.1397 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **28.6462** | **6.0000e-004** | **0.0671** | **1.0000e-005** | | **2.4000e-004** | **2.4000e-004** | | **2.4000e-004** | **2.4000e-004** | **0.0000** | **0.1313** | **0.1313** | **3.4000e-004** | **0.0000** | **0.1397** |

# 7.0 Water Detail

## 7.1 Mitigation Measures Water

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| Category | MT/yr | | | |
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

## 7.2 Water by Land Use

**Unmitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Convenience Market With Gas Pumps | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Office Building | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | |
|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**Mitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Convenience Market With Gas Pumps | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Office Building | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

# 8.0 Waste Detail

## 8.1 Mitigation Measures Waste

**Category/Year**

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|

| | MT/yr | | | |
|---|---|---|---|---|
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

## 8.2 Waste by Land Use

### Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Office Building | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | |
|---|---|---|---|---|---|
| General Office Building | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

### Fire Pumps and Emergency Generators

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

### Boilers

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

### User Defined Equipment

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

## 11.0 Vegetation

# SCLA Specific Plan - Phase Five - Construction Only

**San Bernardino-Mojave Desert County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Office Building | 65.00 | 1000sqft | 3.75 | 65,000.00 | 0 |
| General Light Industry | 666.67 | 1000sqft | 38.47 | 666,670.00 | 0 |
| Manufacturing | 1,647.33 | 1000sqft | 95.05 | 1,647,330.00 | 0 |
| Unrefrigerated Warehouse-No Rail | 4,942.00 | 1000sqft | 285.15 | 4,942,000.00 | 0 |
| Convenience Market With Gas Pumps | 16.00 | Pump | 0.05 | 2,258.80 | 0 |
| Regional Shopping Center | 10.00 | 1000sqft | 0.58 | 10,000.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.6 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 10 | | | **Operational Year** | 2050 |
| **Utility Company** | Statewide Average | | | | |
| **CO2 Intensity (lb/MWhr)** | 1001.57 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction Only.

Land Use - Anticipated buildout and gross lot acreage.

Construction Phase - anticipated construction schedule over 5 years.

Demolition -

Grading - Cut & fill balanced on site.

Architectural Coating - MDAQMD Rule 1113 50 g/L VOC Limit

Vehicle Trips - Construction Only.

Consumer Products - Construction Emissions Only.

Area Coating - Construction Emissions Only.

Energy Use - Construction Emissions Only.

Water And Wastewater - Construction Emissions Only.

Solid Waste - Construction Emissions Only.

Construction Off-road Equipment Mitigation - MDAQMD Rule 403.2

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblAreaCoating | Area_Nonresidential_Exterior | 3666629 | 0 |
| tblAreaCoating | Area_Nonresidential_Interior | 10999888 | 0 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 15 |
| tblConstructionPhase | NumDays | 550.00 | 540.00 |
| tblConstructionPhase | NumDays | 7,750.00 | 400.00 |
| tblConstructionPhase | NumDays | 500.00 | 160.00 |
| tblConstructionPhase | NumDays | 775.00 | 160.00 |
| tblConstructionPhase | NumDays | 550.00 | 160.00 |
| tblConstructionPhase | NumDays | 300.00 | 140.00 |
| tblEnergyUse | LightingElect | 5.61 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 3.66 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 5.61 | 0.00 |
| tblEnergyUse | LightingElect | 1.17 | 0.00 |

| | | | |
|---|---|---|---|
| tblEnergyUse | NT24E | 2.44 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 2.79 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 2.44 | 0.00 |
| tblEnergyUse | NT24E | 0.82 | 0.00 |
| tblEnergyUse | NT24NG | 0.30 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 0.30 | 0.00 |
| tblEnergyUse | NT24NG | 0.03 | 0.00 |
| tblEnergyUse | T24E | 4.58 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 3.07 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 4.58 | 0.00 |
| tblEnergyUse | T24E | 0.37 | 0.00 |
| tblEnergyUse | T24NG | 1.92 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 3.47 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 1.92 | 0.00 |
| tblEnergyUse | T24NG | 2.00 | 0.00 |
| tblGrading | MaterialExported | 0.00 | 1,157,500.00 |
| tblGrading | MaterialImported | 0.00 | 1,157,500.00 |
| tblLandUse | LotAcreage | 1.49 | 3.75 |
| tblLandUse | LotAcreage | 15.30 | 38.47 |
| tblLandUse | LotAcreage | 37.82 | 95.05 |
| tblLandUse | LotAcreage | 113.45 | 285.15 |
| tblLandUse | LotAcreage | 0.23 | 0.58 |

| | | | |
|---|---|---|---|
| tblSolidWaste | SolidWasteGenerationRate | 826.67 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 60.45 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 2,042.69 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 10.50 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 4,645.48 | 0.00 |
| tblVehicleTrips | ST_TR | 204.47 | 0.00 |
| tblVehicleTrips | ST_TR | 1.32 | 0.00 |
| tblVehicleTrips | ST_TR | 2.46 | 0.00 |
| tblVehicleTrips | ST_TR | 1.49 | 0.00 |
| tblVehicleTrips | ST_TR | 49.97 | 0.00 |
| tblVehicleTrips | ST_TR | 1.68 | 0.00 |
| tblVehicleTrips | SU_TR | 166.88 | 0.00 |
| tblVehicleTrips | SU_TR | 0.68 | 0.00 |
| tblVehicleTrips | SU_TR | 1.05 | 0.00 |
| tblVehicleTrips | SU_TR | 0.62 | 0.00 |
| tblVehicleTrips | SU_TR | 25.24 | 0.00 |
| tblVehicleTrips | SU_TR | 1.68 | 0.00 |
| tblVehicleTrips | WD_TR | 542.60 | 0.00 |
| tblVehicleTrips | WD_TR | 6.97 | 0.00 |
| tblVehicleTrips | WD_TR | 11.03 | 0.00 |
| tblVehicleTrips | WD_TR | 3.82 | 0.00 |
| tblVehicleTrips | WD_TR | 42.70 | 0.00 |
| tblVehicleTrips | WD_TR | 1.68 | 0.00 |
| tblWater | IndoorWaterUseRate | 167,314.87 | 0.00 |
| tblWater | IndoorWaterUseRate | 154,167,437.50 | 0.00 |
| tblWater | IndoorWaterUseRate | 11,552,693.62 | 0.00 |
| tblWater | IndoorWaterUseRate | 380,945,062.50 | 0.00 |
| tblWater | IndoorWaterUseRate | 740,725.21 | 0.00 |
| tblWater | IndoorWaterUseRate | 1,142,837,500.00 | 0.00 |
| tblWater | OutdoorWaterUseRate | 102,547.82 | 0.00 |

| | | | |
|---|---|---|---|
| tblWater | OutdoorWaterUseRate | 7,080,683.19 | 0.00 |
| tblWater | OutdoorWaterUseRate | 453,992.87 | 0.00 |

## 2.0 Emissions Summary

### 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 | | | | | |
| 2045 | 1.9843 | 8.4377 | 19.4752 | 0.0643 | 18.2141 | 0.2029 | 18.4170 | 9.9699 | 0.2029 | 10.1728 | 0.0000 | 6,303.9619 | 6,303.9619 | 0.2318 | 0.0000 | 6,309.7558 |
| 2046 | 6.2926 | 124.0985 | 59.5283 | 0.7186 | 33.3779 | 0.4241 | 33.5821 | 9.9699 | 0.4154 | 10.1728 | 0.0000 | 76,355.8288 | 76,355.8288 | 3.3277 | 0.0000 | 76,439.0206 |
| 2047 | 6.2926 | 90.3110 | 59.5283 | 0.5043 | 33.3779 | 0.2041 | 33.5821 | 9.0379 | 0.1964 | 9.2343 | 0.0000 | 52,035.7642 | 52,035.7642 | 1.7596 | 0.0000 | 52,079.7532 |
| 2048 | 63.6914 | 90.3110 | 59.5283 | 0.5043 | 33.3779 | 0.2041 | 33.5821 | 9.0379 | 0.1964 | 9.2343 | 0.0000 | 52,035.7642 | 52,035.7642 | 1.7596 | 0.0000 | 52,079.7532 |
| 2049 | 63.6914 | 1.0355 | 7.6521 | 0.0347 | 5.0439 | 0.0182 | 5.0620 | 1.3379 | 0.0173 | 1.3552 | 0.0000 | 3,446.8913 | 3,446.8913 | 0.0362 | 0.0000 | 3,447.7972 |
| 2050 | 63.6655 | 1.0278 | 7.5204 | 0.0345 | 5.0439 | 0.0176 | 5.0615 | 1.3379 | 0.0168 | 1.3547 | 0.0000 | 3,426.6114 | 3,426.6114 | 0.0355 | 0.0000 | 3,427.4994 |
| **Maximum** | **63.6914** | **124.0985** | **59.5283** | **0.7186** | **33.3779** | **0.4241** | **33.5821** | **9.9699** | **0.4154** | **10.1728** | **0.0000** | **76,355.8288** | **76,355.8288** | **3.3277** | **0.0000** | **76,439.0206** |

**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 | | | | | |
| 2045 | 1.9843 | 8.4377 | 19.4752 | 0.0643 | 7.1937 | 0.2029 | 7.3966 | 3.9122 | 0.2029 | 4.1151 | 0.0000 | 6,303.9619 | 6,303.9619 | 0.2318 | 0.0000 | 6,309.7558 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2046 | 6.2926 | 124.0985 | 59.5283 | 0.7186 | 33.3779 | 0.4241 | 33.5821 | 9.0379 | 0.4154 | 9.2343 | 0.0000 | 76,355.8288 | 76,355.8288 | 3.3277 | 0.0000 | 76,439.0206 |
| 2047 | 6.2926 | 90.3110 | 59.5283 | 0.5043 | 33.3779 | 0.2041 | 33.5821 | 9.0379 | 0.1964 | 9.2343 | 0.0000 | 52,035.7642 | 52,035.7642 | 1.7596 | 0.0000 | 52,079.7532 |
| 2048 | 63.6914 | 90.3110 | 59.5283 | 0.5043 | 33.3779 | 0.2041 | 33.5821 | 9.0379 | 0.1964 | 9.2343 | 0.0000 | 52,035.7642 | 52,035.7642 | 1.7596 | 0.0000 | 52,079.7532 |
| 2049 | 63.6914 | 1.0355 | 7.6521 | 0.0347 | 5.0439 | 0.0182 | 5.0620 | 1.3379 | 0.0173 | 1.3552 | 0.0000 | 3,446.8913 | 3,446.8913 | 0.0362 | 0.0000 | 3,447.7972 |
| 2050 | 63.6655 | 1.0278 | 7.5204 | 0.0345 | 5.0439 | 0.0176 | 5.0615 | 1.3379 | 0.0168 | 1.3547 | 0.0000 | 3,426.6114 | 3,426.6114 | 0.0355 | 0.0000 | 3,427.4994 |
| **Maximum** | **63.6914** | **124.0985** | **59.5283** | **0.7186** | **33.3779** | **0.4241** | **33.5821** | **9.0379** | **0.4154** | **9.2343** | **0.0000** | **76,355.8288** | **76,355.8288** | **3.3277** | **0.0000** | **76,439.0206** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **8.58** | **0.00** | **8.52** | **17.18** | **0.00** | **16.85** | **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 | 156.9999 | 6.7000e-003 | 0.7453 | 6.0000e-005 | | 2.6400e-003 | 2.6400e-003 | | 2.6400e-003 | 2.6400e-003 | | 1.6079 | 1.6079 | 4.1400e-003 | | 1.7115 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 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** | **156.9999** | **6.7000e-003** | **0.7453** | **6.0000e-005** | **0.0000** | **2.6400e-003** | **2.6400e-003** | **0.0000** | **2.6400e-003** | **2.6400e-003** | | **1.6079** | **1.6079** | **4.1400e-003** | **0.0000** | **1.7115** |

### 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 | 156.9999 | 6.7000e-003 | 0.7453 | 6.0000e-005 | | 2.6400e-003 | 2.6400e-003 | | 2.6400e-003 | 2.6400e-003 | | 1.6079 | 1.6079 | 4.1400e-003 | | 1.7115 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 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** | **156.9999** | **6.7000e-003** | **0.7453** | **6.0000e-005** | **0.0000** | **2.6400e-003** | **2.6400e-003** | **0.0000** | **2.6400e-003** | **2.6400e-003** | | **1.6079** | **1.6079** | **4.1400e-003** | **0.0000** | **1.7115** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | 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 | Demolition | Demolition | 1/2/2045 | 8/11/2045 | 5 | 160 | |
| 2 | Site Preparation | Site Preparation | 8/12/2045 | 2/23/2046 | 5 | 140 | |
| 3 | Grading | Grading | 2/24/2046 | 10/5/2046 | 5 | 160 | |
| 4 | Building Construction | Building Construction | 10/6/2046 | 4/17/2048 | 5 | 400 | |
| 5 | Paving | Paving | 4/18/2048 | 11/27/2048 | 5 | 160 | |
| 6 | Architectural Coating | Architectural Coating | 11/28/2048 | 12/23/2050 | 5 | 540 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 400**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 10,999,888; Non-Residential Outdoor: 3,666,629; Striped Parking**

### OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Excavators | 3 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| 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 |
| 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 |
| 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 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

## Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 6 | 15.00 | 0.00 | 3,873.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 8 | 20.00 | 0.00 | 144,688.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 3,072.00 | 1,202.00 | 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 |
| Architectural Coating | 1 | 614.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

## 3.2 Demolition - 2045

### 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 | | | | | 5.3037 | 0.0000 | 5.3037 | 0.8032 | 0.0000 | 0.8032 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6982 | 5.3064 | 18.5788 | 0.0462 | | 0.1629 | 0.1629 | | 0.1629 | 0.1629 | | 4,378.5819 | 4,378.5819 | 0.1484 | | 4,382.2921 |
| **Total** | **1.6982** | **5.3064** | **18.5788** | **0.0462** | **5.3037** | **0.1629** | **5.4666** | **0.8032** | **0.1629** | **0.9661** | | **4,378.5819** | **4,378.5819** | **0.1484** | | **4,382.2921** |

### 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 | 0.0930 | 3.1238 | 0.7533 | 0.0173 | 0.4235 | 5.3200e-003 | 0.4289 | 0.1161 | 5.0900e-003 | 0.1212 | | 1,848.0483 | 1,848.0483 | 0.0827 | | 1,850.1160 |
| 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 |
| Worker | 0.0155 | 7.5400e-003 | 0.1432 | 7.7000e-004 | 0.1232 | 2.6000e-004 | 0.1235 | 0.0327 | 2.4000e-004 | 0.0329 | | 77.3317 | 77.3317 | 6.4000e-004 | | 77.3478 |
| **Total** | **0.1085** | **3.1314** | **0.8965** | **0.0181** | **0.5468** | **5.5800e-003** | **0.5523** | **0.1488** | **5.3300e-003** | **0.1541** | | **1,925.3800** | **1,925.3800** | **0.0834** | | **1,927.4638** |

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.0684 | 0.0000 | 2.0684 | 0.3132 | 0.0000 | 0.3132 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6982 | 5.3064 | 18.5788 | 0.0462 | | 0.1629 | 0.1629 | | 0.1629 | 0.1629 | 0.0000 | 4,378.5819 | 4,378.5819 | 0.1484 | | 4,382.2920 |
| **Total** | **1.6982** | **5.3064** | **18.5788** | **0.0462** | **2.0684** | **0.1629** | **2.2313** | **0.3132** | **0.1629** | **0.4761** | **0.0000** | **4,378.5819** | **4,378.5819** | **0.1484** | | **4,382.2920** |

**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 | 0.0930 | 3.1238 | 0.7533 | 0.0173 | 0.4235 | 5.3200e-003 | 0.4289 | 0.1161 | 5.0900e-003 | 0.1212 | | 1,848.0483 | 1,848.0483 | 0.0827 | | 1,850.1160 |
| 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 |
| Worker | 0.0155 | 7.5400e-003 | 0.1432 | 7.7000e-004 | 0.1232 | 2.6000e-004 | 0.1235 | 0.0327 | 2.4000e-004 | 0.0329 | | 77.3317 | 77.3317 | 6.4000e-004 | | 77.3478 |
| **Total** | **0.1085** | **3.1314** | **0.8965** | **0.0181** | **0.5468** | **5.5800e-003** | **0.5523** | **0.1488** | **5.3300e-003** | **0.1541** | | **1,925.3800** | **1,925.3800** | **0.0834** | | **1,927.4638** |

## 3.3 Site Preparation - 2045

**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 | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.9657 | 7.9943 | 15.7797 | 0.0466 | | 0.2026 | 0.2026 | | 0.2026 | 0.2026 | | 4,409.7537 | 4,409.7537 | 0.1707 | | 4,414.0214 |
| **Total** | **1.9657** | **7.9943** | **15.7797** | **0.0466** | **18.0663** | **0.2026** | **18.2688** | **9.9307** | **0.2026** | **10.1333** | | **4,409.7537** | **4,409.7537** | **0.1707** | | **4,414.0214** |

## 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 |
| 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 |
| Worker | 0.0186 | 9.0400e-003 | 0.1718 | 9.3000e-004 | 0.1479 | 3.1000e-004 | 0.1482 | 0.0392 | 2.9000e-004 | 0.0395 | | 92.7980 | 92.7980 | 7.7000e-004 | | 92.8173 |
| **Total** | **0.0186** | **9.0400e-003** | **0.1718** | **9.3000e-004** | **0.1479** | **3.1000e-004** | **0.1482** | **0.0392** | **2.9000e-004** | **0.0395** | | **92.7980** | **92.7980** | **7.7000e-004** | | **92.8173** |

## 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 | | | | | 7.0458 | 0.0000 | 7.0458 | 3.8730 | 0.0000 | 3.8730 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.9657 | 7.9943 | 15.7797 | 0.0466 | | 0.2026 | 0.2026 | | 0.2026 | 0.2026 | 0.0000 | 4,409.7537 | 4,409.7537 | 0.1707 | | 4,414.0214 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **1.9657** | **7.9943** | **15.7797** | **0.0466** | **7.0458** | **0.2026** | **7.2484** | **3.8730** | **0.2026** | **4.0755** | **0.0000** | **4,409.7537** | **4,409.7537** | **0.1707** | | **4,414.0214** |

**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 |
| 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 |
| Worker | 0.0186 | 9.0400e-003 | 0.1718 | 9.3000e-004 | 0.1479 | 3.1000e-004 | 0.1482 | 0.0392 | 2.9000e-004 | 0.0395 | | 92.7980 | 92.7980 | 7.7000e-004 | | 92.8173 |
| **Total** | **0.0186** | **9.0400e-003** | **0.1718** | **9.3000e-004** | **0.1479** | **3.1000e-004** | **0.1482** | **0.0392** | **2.9000e-004** | **0.0395** | | **92.7980** | **92.7980** | **7.7000e-004** | | **92.8173** |

## 3.3 Site Preparation - 2046

**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 | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.9657 | 7.9943 | 15.7797 | 0.0466 | | 0.2026 | 0.2026 | | 0.2026 | 0.2026 | | 4,409.7537 | 4,409.7537 | 0.1707 | | 4,414.0214 |
| **Total** | **1.9657** | **7.9943** | **15.7797** | **0.0466** | **18.0663** | **0.2026** | **18.2688** | **9.9307** | **0.2026** | **10.1333** | | **4,409.7537** | **4,409.7537** | **0.1707** | | **4,414.0214** |

**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 |
| 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 |
| Worker | 0.0186 | 9.0400e-003 | 0.1718 | 9.3000e-004 | 0.1479 | 3.1000e-004 | 0.1482 | 0.0392 | 2.9000e-004 | 0.0395 | | 92.7980 | 92.7980 | 7.7000e-004 | | 92.8173 |
| **Total** | **0.0186** | **9.0400e-003** | **0.1718** | **9.3000e-004** | **0.1479** | **3.1000e-004** | **0.1482** | **0.0392** | **2.9000e-004** | **0.0395** | | **92.7980** | **92.7980** | **7.7000e-004** | | **92.8173** |

## 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 | | | | | 7.0458 | 0.0000 | 7.0458 | 3.8730 | 0.0000 | 3.8730 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.9657 | 7.9943 | 15.7797 | 0.0466 | | 0.2026 | 0.2026 | | 0.2026 | 0.2026 | 0.0000 | 4,409.7537 | 4,409.7537 | 0.1707 | | 4,414.0214 |
| **Total** | **1.9657** | **7.9943** | **15.7797** | **0.0466** | **7.0458** | **0.2026** | **7.2484** | **3.8730** | **0.2026** | **4.0755** | **0.0000** | **4,409.7537** | **4,409.7537** | **0.1707** | | **4,414.0214** |

## 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 |
| 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 |
| Worker | 0.0186 | 9.0400e-003 | 0.1718 | 9.3000e-004 | 0.1479 | 3.1000e-004 | 0.1482 | 0.0392 | 2.9000e-004 | 0.0395 | | 92.7980 | 92.7980 | 7.7000e-004 | | 92.8173 |
| **Total** | **0.0186** | **9.0400e-003** | **0.1718** | **9.3000e-004** | **0.1479** | **3.1000e-004** | **0.1482** | **0.0392** | **2.9000e-004** | **0.0395** | | **92.7980** | **92.7980** | **7.7000e-004** | | **92.8173** |

## 3.4 Grading - 2046

### 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 | | | | | 10.7065 | 0.0000 | 10.7065 | 3.9044 | 0.0000 | 3.9044 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7241 | 7.3885 | 22.3122 | 0.0699 | | 0.2250 | 0.2250 | | 0.2250 | 0.2250 | | 7,213.1086 | 7,213.1086 | 0.2370 | | 7,219.0343 |
| **Total** | **2.7241** | **7.3885** | **22.3122** | **0.0699** | **10.7065** | **0.2250** | **10.9315** | **3.9044** | **0.2250** | **4.1294** | | **7,213.1086** | **7,213.1086** | **0.2370** | | **7,219.0343** |

### 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 | 3.4748 | 116.7000 | 28.1421 | 0.6477 | 15.8224 | 0.1987 | 16.0211 | 4.3376 | 0.1901 | 4.5277 | | 69,039.6114 | 69,039.6114 | 3.0898 | | 69,116.8560 |
| 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 |
| Worker | 0.0206 | 0.0101 | 0.1909 | 1.0300e-003 | 0.1643 | 3.5000e-004 | 0.1647 | 0.0436 | 3.2000e-004 | 0.0439 | | 103.1089 | 103.1089 | 8.6000e-004 | | 103.1303 |
| **Total** | **3.4954** | **116.7101** | **28.3329** | **0.6487** | **15.9867** | **0.1991** | **16.1857** | **4.3812** | **0.1904** | **4.5716** | | **69,142.7203** | **69,142.7203** | **3.0907** | | **69,219.9864** |

## 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 | | | | | 4.1755 | 0.0000 | 4.1755 | 1.5227 | 0.0000 | 1.5227 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7241 | 7.3885 | 22.3122 | 0.0699 | | 0.2250 | 0.2250 | | 0.2250 | 0.2250 | 0.0000 | 7,213.1086 | 7,213.1086 | 0.2370 | | 7,219.0343 |
| **Total** | **2.7241** | **7.3885** | **22.3122** | **0.0699** | **4.1755** | **0.2250** | **4.4006** | **1.5227** | **0.2250** | **1.7477** | **0.0000** | **7,213.1086** | **7,213.1086** | **0.2370** | | **7,219.0343** |

## 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 | 3.4748 | 116.7000 | 28.1421 | 0.6477 | 15.8224 | 0.1987 | 16.0211 | 4.3376 | 0.1901 | 4.5277 | | 69,039.6114 | 69,039.6114 | 3.0898 | | 69,116.8560 |
| 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 |
| Worker | 0.0206 | 0.0101 | 0.1909 | 1.0300e-003 | 0.1643 | 3.5000e-004 | 0.1647 | 0.0436 | 3.2000e-004 | 0.0439 | | 103.1089 | 103.1089 | 8.6000e-004 | | 103.1303 |
| **Total** | **3.4954** | **116.7101** | **28.3329** | **0.6487** | **15.9867** | **0.1991** | **16.1857** | **4.3812** | **0.1904** | **4.5716** | | **69,142.7203** | **69,142.7203** | **3.0907** | | **69,219.9864** |

## 3.5 Building Construction - 2046

### 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 | 1.1970 | 6.8903 | 16.1185 | 0.0310 | | 0.0737 | 0.0737 | | 0.0737 | 0.0737 | | 2,897.5471 | 2,897.5471 | 0.1041 | | 2,900.1503 |
| **Total** | **1.1970** | **6.8903** | **16.1185** | **0.0310** | | **0.0737** | **0.0737** | | **0.0737** | **0.0737** | | **2,897.5471** | **2,897.5471** | **0.1041** | | **2,900.1503** |

## 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 |
| Vendor | 1.9301 | 81.8775 | 14.0916 | 0.3148 | 8.1422 | 0.0767 | 8.2188 | 2.3442 | 0.0733 | 2.4174 | | 33,300.6900 | 33,300.6900 | 1.5237 | | 33,338.7821 |
| Worker | 3.1656 | 1.5432 | 29.3183 | 0.1585 | 25.2358 | 0.0538 | 25.2895 | 6.6937 | 0.0495 | 6.7432 | | 15,837.5271 | 15,837.5271 | 0.1318 | | 15,840.8208 |
| **Total** | **5.0956** | **83.4207** | **43.4099** | **0.4734** | **33.3779** | **0.1304** | **33.5083** | **9.0379** | **0.1227** | **9.1606** | | **49,138.2171** | **49,138.2171** | **1.6554** | | **49,179.6029** |

## 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 | 1.1970 | 6.8903 | 16.1185 | 0.0310 | | 0.0737 | 0.0737 | | 0.0737 | 0.0737 | 0.0000 | 2,897.5471 | 2,897.5471 | 0.1041 | | 2,900.1503 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **1.1970** | **6.8903** | **16.1185** | **0.0310** | | **0.0737** | **0.0737** | | **0.0737** | **0.0737** | **0.0000** | **2,897.5471** | **2,897.5471** | **0.1041** | | **2,900.1503** |

**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 |
| Vendor | 1.9301 | 81.8775 | 14.0916 | 0.3148 | 8.1422 | 0.0767 | 8.2188 | 2.3442 | 0.0733 | 2.4174 | | 33,300.6900 | 33,300.6900 | 1.5237 | | 33,338.7821 |
| Worker | 3.1656 | 1.5432 | 29.3183 | 0.1585 | 25.2358 | 0.0538 | 25.2895 | 6.6937 | 0.0495 | 6.7432 | | 15,837.5271 | 15,837.5271 | 0.1318 | | 15,840.8208 |
| **Total** | **5.0956** | **83.4207** | **43.4099** | **0.4734** | **33.3779** | **0.1304** | **33.5083** | **9.0379** | **0.1227** | **9.1606** | | **49,138.2171** | **49,138.2171** | **1.6554** | | **49,179.6029** |

## 3.5 Building Construction - 2047

**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 | 1.1970 | 6.8903 | 16.1185 | 0.0310 | | 0.0737 | 0.0737 | | 0.0737 | 0.0737 | | 2,897.5471 | 2,897.5471 | 0.1041 | | 2,900.1503 |
| **Total** | **1.1970** | **6.8903** | **16.1185** | **0.0310** | | **0.0737** | **0.0737** | | **0.0737** | **0.0737** | | **2,897.5471** | **2,897.5471** | **0.1041** | | **2,900.1503** |

**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 |
| Vendor | 1.9301 | 81.8775 | 14.0916 | 0.3148 | 8.1422 | 0.0767 | 8.2188 | 2.3442 | 0.0733 | 2.4174 | | 33,300.6900 | 33,300.6900 | 1.5237 | | 33,338.7821 |
| Worker | 3.1656 | 1.5432 | 29.3183 | 0.1585 | 25.2358 | 0.0538 | 25.2895 | 6.6937 | 0.0495 | 6.7432 | | 15,837.5271 | 15,837.5271 | 0.1318 | | 15,840.8208 |
| **Total** | **5.0956** | **83.4207** | **43.4099** | **0.4734** | **33.3779** | **0.1304** | **33.5083** | **9.0379** | **0.1227** | **9.1606** | | **49,138.2171** | **49,138.2171** | **1.6554** | | **49,179.6029** |

## 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 | 1.1970 | 6.8903 | 16.1185 | 0.0310 | | 0.0737 | 0.0737 | | 0.0737 | 0.0737 | 0.0000 | 2,897.5471 | 2,897.5471 | 0.1041 | | 2,900.1503 |
| **Total** | **1.1970** | **6.8903** | **16.1185** | **0.0310** | | **0.0737** | **0.0737** | | **0.0737** | **0.0737** | **0.0000** | **2,897.5471** | **2,897.5471** | **0.1041** | | **2,900.1503** |

## 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 |
| Vendor | 1.9301 | 81.8775 | 14.0916 | 0.3148 | 8.1422 | 0.0767 | 8.2188 | 2.3442 | 0.0733 | 2.4174 | | 33,300.6900 | 33,300.6900 | 1.5237 | | 33,338.7821 |
| Worker | 3.1656 | 1.5432 | 29.3183 | 0.1585 | 25.2358 | 0.0538 | 25.2895 | 6.6937 | 0.0495 | 6.7432 | | 15,837.5271 | 15,837.5271 | 0.1318 | | 15,840.8208 |
| **Total** | **5.0956** | **83.4207** | **43.4099** | **0.4734** | **33.3779** | **0.1304** | **33.5083** | **9.0379** | **0.1227** | **9.1606** | | **49,138.2171** | **49,138.2171** | **1.6554** | | **49,179.6029** |

## 3.5 Building Construction - 2048

### 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 | 1.1970 | 6.8903 | 16.1185 | 0.0310 | | 0.0737 | 0.0737 | | 0.0737 | 0.0737 | | 2,897.5471 | 2,897.5471 | 0.1041 | | 2,900.1503 |
| **Total** | **1.1970** | **6.8903** | **16.1185** | **0.0310** | | **0.0737** | **0.0737** | | **0.0737** | **0.0737** | | **2,897.5471** | **2,897.5471** | **0.1041** | | **2,900.1503** |

### 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 |
| Vendor | 1.9301 | 81.8775 | 14.0916 | 0.3148 | 8.1422 | 0.0767 | 8.2188 | 2.3442 | 0.0733 | 2.4174 | | 33,300.6900 | 33,300.6900 | 1.5237 | | 33,338.7821 |
| Worker | 3.1656 | 1.5432 | 29.3183 | 0.1585 | 25.2358 | 0.0538 | 25.2895 | 6.6937 | 0.0495 | 6.7432 | | 15,837.5271 | 15,837.5271 | 0.1318 | | 15,840.8208 |
| **Total** | **5.0956** | **83.4207** | **43.4099** | **0.4734** | **33.3779** | **0.1304** | **33.5083** | **9.0379** | **0.1227** | **9.1606** | | **49,138.2171** | **49,138.2171** | **1.6554** | | **49,179.6029** |

**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 | 1.1970 | 6.8903 | 16.1185 | 0.0310 | | 0.0737 | 0.0737 | | 0.0737 | 0.0737 | 0.0000 | 2,897.5471 | 2,897.5471 | 0.1041 | | 2,900.1503 |
| **Total** | **1.1970** | **6.8903** | **16.1185** | **0.0310** | | **0.0737** | **0.0737** | | **0.0737** | **0.0737** | **0.0000** | **2,897.5471** | **2,897.5471** | **0.1041** | | **2,900.1503** |

**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 |
| Vendor | 1.9301 | 81.8775 | 14.0916 | 0.3148 | 8.1422 | 0.0767 | 8.2188 | 2.3442 | 0.0733 | 2.4174 | | 33,300.6900 | 33,300.6900 | 1.5237 | | 33,338.7821 |
| Worker | 3.1656 | 1.5432 | 29.3183 | 0.1585 | 25.2358 | 0.0538 | 25.2895 | 6.6937 | 0.0495 | 6.7432 | | 15,837.5271 | 15,837.5271 | 0.1318 | | 15,840.8208 |
| **Total** | **5.0956** | **83.4207** | **43.4099** | **0.4734** | **33.3779** | **0.1304** | **33.5083** | **9.0379** | **0.1227** | **9.1606** | | **49,138.2171** | **49,138.2171** | **1.6554** | | **49,179.6029** |

## 3.6 Paving - 2048

**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 | 1.0112 | 3.6566 | 15.8177 | 0.0281 | | 0.1164 | 0.1164 | | 0.1164 | 0.1164 | | 2,656.5168 | 2,656.5168 | 0.0893 | | 2,658.7489 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **1.0112** | **3.6566** | **15.8177** | **0.0281** | | **0.1164** | **0.1164** | | **0.1164** | **0.1164** | | **2,656.5168** | **2,656.5168** | **0.0893** | | **2,658.7489** |

## 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 |
| 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 |
| Worker | 0.0155 | 7.5400e-003 | 0.1432 | 7.7000e-004 | 0.1232 | 2.6000e-004 | 0.1235 | 0.0327 | 2.4000e-004 | 0.0329 | | 77.3317 | 77.3317 | 6.4000e-004 | | 77.3478 |
| **Total** | **0.0155** | **7.5400e-003** | **0.1432** | **7.7000e-004** | **0.1232** | **2.6000e-004** | **0.1235** | **0.0327** | **2.4000e-004** | **0.0329** | | **77.3317** | **77.3317** | **6.4000e-004** | | **77.3478** |

## 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 | 1.0112 | 3.6566 | 15.8177 | 0.0281 | | 0.1164 | 0.1164 | | 0.1164 | 0.1164 | 0.0000 | 2,656.5168 | 2,656.5168 | 0.0893 | | 2,658.7489 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **1.0112** | **3.6566** | **15.8177** | **0.0281** | | **0.1164** | **0.1164** | | **0.1164** | **0.1164** | **0.0000** | **2,656.5168** | **2,656.5168** | **0.0893** | | **2,658.7489** |

**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 |
| 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 |
| Worker | 0.0155 | 7.5400e-003 | 0.1432 | 7.7000e-004 | 0.1232 | 2.6000e-004 | 0.1235 | 0.0327 | 2.4000e-004 | 0.0329 | | 77.3317 | 77.3317 | 6.4000e-004 | | 77.3478 |
| **Total** | **0.0155** | **7.5400e-003** | **0.1432** | **7.7000e-004** | **0.1232** | **2.6000e-004** | **0.1235** | **0.0327** | **2.4000e-004** | **0.0329** | | **77.3317** | **77.3317** | **6.4000e-004** | | **77.3478** |

## 3.7 Architectural Coating - 2048

**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 | 62.9438 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1149 | 0.7270 | 1.7923 | 2.9700e-003 | | 7.4300e-003 | 7.4300e-003 | | 7.4300e-003 | 7.4300e-003 | | 281.4481 | 281.4481 | 9.9000e-003 | | 281.6957 |
| **Total** | **63.0587** | **0.7270** | **1.7923** | **2.9700e-003** | | **7.4300e-003** | **7.4300e-003** | | **7.4300e-003** | **7.4300e-003** | | **281.4481** | **281.4481** | **9.9000e-003** | | **281.6957** |

**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 |
| 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 |
| Worker | 0.6327 | 0.3085 | 5.8598 | 0.0317 | 5.0439 | 0.0107 | 5.0546 | 1.3379 | 9.8800e-003 | 1.3478 | | 3,165.4432 | 3,165.4432 | 0.0263 | | 3,166.1016 |
| **Total** | **0.6327** | **0.3085** | **5.8598** | **0.0317** | **5.0439** | **0.0107** | **5.0546** | **1.3379** | **9.8800e-003** | **1.3478** | | **3,165.4432** | **3,165.4432** | **0.0263** | | **3,166.1016** |

## 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 | 62.9438 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1149 | 0.7270 | 1.7923 | 2.9700e-003 | | 7.4300e-003 | 7.4300e-003 | | 7.4300e-003 | 7.4300e-003 | 0.0000 | 281.4481 | 281.4481 | 9.9000e-003 | | 281.6957 |
| **Total** | **63.0587** | **0.7270** | **1.7923** | **2.9700e-003** | | **7.4300e-003** | **7.4300e-003** | | **7.4300e-003** | **7.4300e-003** | **0.0000** | **281.4481** | **281.4481** | **9.9000e-003** | | **281.6957** |

## 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 |
| 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 |
| Worker | 0.6327 | 0.3085 | 5.8598 | 0.0317 | 5.0439 | 0.0107 | 5.0546 | 1.3379 | 9.8800e-003 | 1.3478 | | 3,165.4432 | 3,165.4432 | 0.0263 | | 3,166.1016 |
| **Total** | **0.6327** | **0.3085** | **5.8598** | **0.0317** | **5.0439** | **0.0107** | **5.0546** | **1.3379** | **9.8800e-003** | **1.3478** | | **3,165.4432** | **3,165.4432** | **0.0263** | | **3,166.1016** |

## 3.7 Architectural Coating - 2049

### 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 | 62.9438 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1149 | 0.7270 | 1.7923 | 2.9700e-003 | | 7.4300e-003 | 7.4300e-003 | | 7.4300e-003 | 7.4300e-003 | | 281.4481 | 281.4481 | 9.9000e-003 | | 281.6957 |
| **Total** | **63.0587** | **0.7270** | **1.7923** | **2.9700e-003** | | **7.4300e-003** | **7.4300e-003** | | **7.4300e-003** | **7.4300e-003** | | **281.4481** | **281.4481** | **9.9000e-003** | | **281.6957** |

### 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 |
| 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 |
| Worker | 0.6327 | 0.3085 | 5.8598 | 0.0317 | 5.0439 | 0.0107 | 5.0546 | 1.3379 | 9.8800e-003 | 1.3478 | | 3,165.4432 | 3,165.4432 | 0.0263 | | 3,166.1016 |
| **Total** | **0.6327** | **0.3085** | **5.8598** | **0.0317** | **5.0439** | **0.0107** | **5.0546** | **1.3379** | **9.8800e-003** | **1.3478** | | **3,165.4432** | **3,165.4432** | **0.0263** | | **3,166.1016** |

**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 | 62.9438 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1149 | 0.7270 | 1.7923 | 2.9700e-003 | | 7.4300e-003 | 7.4300e-003 | | 7.4300e-003 | 7.4300e-003 | 0.0000 | 281.4481 | 281.4481 | 9.9000e-003 | | 281.6957 |
| **Total** | **63.0587** | **0.7270** | **1.7923** | **2.9700e-003** | | **7.4300e-003** | **7.4300e-003** | | **7.4300e-003** | **7.4300e-003** | **0.0000** | **281.4481** | **281.4481** | **9.9000e-003** | | **281.6957** |

**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 |
| 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 |
| Worker | 0.6327 | 0.3085 | 5.8598 | 0.0317 | 5.0439 | 0.0107 | 5.0546 | 1.3379 | 9.8800e-003 | 1.3478 | | 3,165.4432 | 3,165.4432 | 0.0263 | | 3,166.1016 |
| **Total** | **0.6327** | **0.3085** | **5.8598** | **0.0317** | **5.0439** | **0.0107** | **5.0546** | **1.3379** | **9.8800e-003** | **1.3478** | | **3,165.4432** | **3,165.4432** | **0.0263** | | **3,166.1016** |

## 3.7 Architectural Coating - 2050

**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 | 62.9438 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1149 | 0.7270 | 1.7923 | 2.9700e-003 | | 7.4300e-003 | 7.4300e-003 | | 7.4300e-003 | 7.4300e-003 | | 281.4481 | 281.4481 | 9.9000e-003 | | 281.6957 |
| **Total** | **63.0587** | **0.7270** | **1.7923** | **2.9700e-003** | | **7.4300e-003** | **7.4300e-003** | | **7.4300e-003** | **7.4300e-003** | | **281.4481** | **281.4481** | **9.9000e-003** | | **281.6957** |

## 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 |
| 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 |
| Worker | 0.6068 | 0.3008 | 5.7281 | 0.0315 | 5.0439 | 0.0102 | 5.0541 | 1.3379 | 9.3800e-003 | 1.3472 | | 3,145.1634 | 3,145.1634 | 0.0256 | | 3,145.8037 |
| **Total** | **0.6068** | **0.3008** | **5.7281** | **0.0315** | **5.0439** | **0.0102** | **5.0541** | **1.3379** | **9.3800e-003** | **1.3472** | | **3,145.1634** | **3,145.1634** | **0.0256** | | **3,145.8037** |

## 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 | 62.9438 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road | 0.1149 | 0.7270 | 1.7923 | 2.9700e-003 | | 7.4300e-003 | 7.4300e-003 | | 7.4300e-003 | 7.4300e-003 | 0.0000 | 281.4481 | 281.4481 | 9.9000e-003 | | 281.6957 |
| **Total** | **63.0587** | **0.7270** | **1.7923** | **2.9700e-003** | | **7.4300e-003** | **7.4300e-003** | | **7.4300e-003** | **7.4300e-003** | **0.0000** | **281.4481** | **281.4481** | **9.9000e-003** | | **281.6957** |

**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 |
| 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 |
| Worker | 0.6068 | 0.3008 | 5.7281 | 0.0315 | 5.0439 | 0.0102 | 5.0541 | 1.3379 | 9.3800e-003 | 1.3472 | | 3,145.1634 | 3,145.1634 | 0.0256 | | 3,145.8037 |
| **Total** | **0.6068** | **0.3008** | **5.7281** | **0.0315** | **5.0439** | **0.0102** | **5.0541** | **1.3379** | **9.3800e-003** | **1.3472** | | **3,145.1634** | **3,145.1634** | **0.0256** | | **3,145.8037** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Convenience Market With Gas Pumps | 0.00 | 0.00 | 0.00 | | |
| General Light Industry | 0.00 | 0.00 | 0.00 | | |
| General Office Building | 0.00 | 0.00 | 0.00 | | |
| Manufacturing | 0.00 | 0.00 | 0.00 | | |
| Regional Shopping Center | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | 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 |
| Convenience Market With Gas Pumps | 9.50 | 7.30 | 7.30 | 0.80 | 80.20 | 19.00 | 14 | 21 | 65 |
| General Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| Manufacturing | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |
| Unrefrigerated Warehouse-No Rail | 9.50 | 7.30 | 7.30 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Convenience Market With Gas Pumps | 0.570617 | 0.032735 | 0.184950 | 0.099134 | 0.008595 | 0.004048 | 0.019079 | 0.071705 | 0.001393 | 0.001267 | 0.005268 | 0.000701 | 0.000507 |
| General Light Industry | 0.570617 | 0.032735 | 0.184950 | 0.099134 | 0.008595 | 0.004048 | 0.019079 | 0.071705 | 0.001393 | 0.001267 | 0.005268 | 0.000701 | 0.000507 |
| General Office Building | 0.570617 | 0.032735 | 0.184950 | 0.099134 | 0.008595 | 0.004048 | 0.019079 | 0.071705 | 0.001393 | 0.001267 | 0.005268 | 0.000701 | 0.000507 |
| Manufacturing | 0.570617 | 0.032735 | 0.184950 | 0.099134 | 0.008595 | 0.004048 | 0.019079 | 0.071705 | 0.001393 | 0.001267 | 0.005268 | 0.000701 | 0.000507 |
| Regional Shopping Center | 0.570617 | 0.032735 | 0.184950 | 0.099134 | 0.008595 | 0.004048 | 0.019079 | 0.071705 | 0.001393 | 0.001267 | 0.005268 | 0.000701 | 0.000507 |
| Unrefrigerated Warehouse-No Rail | 0.570617 | 0.032735 | 0.184950 | 0.099134 | 0.008595 | 0.004048 | 0.019079 | 0.071705 | 0.001393 | 0.001267 | 0.005268 | 0.000701 | 0.000507 |

# 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

## 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 | | | | | |
| Convenience Market With Gas Pumps | 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 |
| General Light Industry | 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 |
| General Office Building | 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 |
| Manufacturing | 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 |
| Regional Shopping Center | 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 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | | | | | |
| Convenience Market With Gas Pumps | 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 |
| General Light Industry | 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 |
| General Office Building | 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 |
| Manufacturing | 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 |
| Regional Shopping Center | 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 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

# 6.0 Area Detail

## 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 | 156.9999 | 6.7000e-003 | 0.7453 | 6.0000e-005 | | 2.6400e-003 | 2.6400e-003 | | 2.6400e-003 | 2.6400e-003 | | 1.6079 | 1.6079 | 4.1400e-003 | | 1.7115 |
| Unmitigated | 156.9999 | 6.7000e-003 | 0.7453 | 6.0000e-005 | | 2.6400e-003 | 2.6400e-003 | | 2.6400e-003 | 2.6400e-003 | | 1.6079 | 1.6079 | 4.1400e-003 | | 1.7115 |

## 6.2 Area by SubCategory

### Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 156.9317 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0682 | 6.7000e-003 | 0.7453 | 6.0000e-005 | | 2.6400e-003 | 2.6400e-003 | | 2.6400e-003 | 2.6400e-003 | | 1.6079 | 1.6079 | 4.1400e-003 | | 1.7115 |
| **Total** | **156.9999** | **6.7000e-003** | **0.7453** | **6.0000e-005** | | **2.6400e-003** | **2.6400e-003** | | **2.6400e-003** | **2.6400e-003** | | **1.6079** | **1.6079** | **4.1400e-003** | | **1.7115** |

### Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 156.9317 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0682 | 6.7000e-003 | 0.7453 | 6.0000e-005 | | 2.6400e-003 | 2.6400e-003 | | 2.6400e-003 | 2.6400e-003 | | 1.6079 | 1.6079 | 4.1400e-003 | | 1.7115 |
| **Total** | **156.9999** | **6.7000e-003** | **0.7453** | **6.0000e-005** | | **2.6400e-003** | **2.6400e-003** | | **2.6400e-003** | **2.6400e-003** | | **1.6079** | **1.6079** | **4.1400e-003** | | **1.7115** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

## 11.0 Vegetation

# SCLA Specific Plan - Phase Five - Construction Only

**San Bernardino-Mojave Desert County, Winter**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Office Building | 65.00 | 1000sqft | 3.75 | 65,000.00 | 0 |
| General Light Industry | 666.67 | 1000sqft | 38.47 | 666,670.00 | 0 |
| Manufacturing | 1,647.33 | 1000sqft | 95.05 | 1,647,330.00 | 0 |
| Unrefrigerated Warehouse-No Rail | 4,942.00 | 1000sqft | 285.15 | 4,942,000.00 | 0 |
| Convenience Market With Gas Pumps | 16.00 | Pump | 0.05 | 2,258.80 | 0 |
| Regional Shopping Center | 10.00 | 1000sqft | 0.58 | 10,000.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.6 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 10 | | | **Operational Year** | 2050 |
| **Utility Company** | Statewide Average | | | | |
| **CO2 Intensity (lb/MWhr)** | 1001.57 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction Only.

Land Use - Anticipated buildout and gross lot acreage.

Construction Phase - anticipated construction schedule over 5 years.

Demolition -

Grading - Cut & fill balanced on site.

Architectural Coating - MDAQMD Rule 1113 50 g/L VOC Limit

Vehicle Trips - Construction Only.

Consumer Products - Construction Emissions Only.

Area Coating - Construction Emissions Only.

Energy Use - Construction Emissions Only.

Water And Wastewater - Construction Emissions Only.

Solid Waste - Construction Emissions Only.

Construction Off-road Equipment Mitigation - MDAQMD Rule 403.2

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblAreaCoating | Area_Nonresidential_Exterior | 3666629 | 0 |
| tblAreaCoating | Area_Nonresidential_Interior | 10999888 | 0 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 15 |
| tblConstructionPhase | NumDays | 550.00 | 540.00 |
| tblConstructionPhase | NumDays | 7,750.00 | 400.00 |
| tblConstructionPhase | NumDays | 500.00 | 160.00 |
| tblConstructionPhase | NumDays | 775.00 | 160.00 |
| tblConstructionPhase | NumDays | 550.00 | 160.00 |
| tblConstructionPhase | NumDays | 300.00 | 140.00 |
| tblEnergyUse | LightingElect | 5.61 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 3.66 | 0.00 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | LightingElect | 5.61 | 0.00 |
| tblEnergyUse | LightingElect | 1.17 | 0.00 |

| | | | |
|---|---|---|---|
| tblEnergyUse | NT24E | 2.44 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 2.79 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |
| tblEnergyUse | NT24E | 2.44 | 0.00 |
| tblEnergyUse | NT24E | 0.82 | 0.00 |
| tblEnergyUse | NT24NG | 0.30 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | NT24NG | 0.30 | 0.00 |
| tblEnergyUse | NT24NG | 0.03 | 0.00 |
| tblEnergyUse | T24E | 4.58 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 3.07 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24E | 4.58 | 0.00 |
| tblEnergyUse | T24E | 0.37 | 0.00 |
| tblEnergyUse | T24NG | 1.92 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 3.47 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblEnergyUse | T24NG | 1.92 | 0.00 |
| tblEnergyUse | T24NG | 2.00 | 0.00 |
| tblGrading | MaterialExported | 0.00 | 1,157,500.00 |
| tblGrading | MaterialImported | 0.00 | 1,157,500.00 |
| tblLandUse | LotAcreage | 1.49 | 3.75 |
| tblLandUse | LotAcreage | 15.30 | 38.47 |
| tblLandUse | LotAcreage | 37.82 | 95.05 |
| tblLandUse | LotAcreage | 113.45 | 285.15 |
| tblLandUse | LotAcreage | 0.23 | 0.58 |

| | | | |
|---|---|---|---|
| tblSolidWaste | SolidWasteGenerationRate | 826.67 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 60.45 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 2,042.69 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 10.50 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 4,645.48 | 0.00 |
| tblVehicleTrips | ST_TR | 204.47 | 0.00 |
| tblVehicleTrips | ST_TR | 1.32 | 0.00 |
| tblVehicleTrips | ST_TR | 2.46 | 0.00 |
| tblVehicleTrips | ST_TR | 1.49 | 0.00 |
| tblVehicleTrips | ST_TR | 49.97 | 0.00 |
| tblVehicleTrips | ST_TR | 1.68 | 0.00 |
| tblVehicleTrips | SU_TR | 166.88 | 0.00 |
| tblVehicleTrips | SU_TR | 0.68 | 0.00 |
| tblVehicleTrips | SU_TR | 1.05 | 0.00 |
| tblVehicleTrips | SU_TR | 0.62 | 0.00 |
| tblVehicleTrips | SU_TR | 25.24 | 0.00 |
| tblVehicleTrips | SU_TR | 1.68 | 0.00 |
| tblVehicleTrips | WD_TR | 542.60 | 0.00 |
| tblVehicleTrips | WD_TR | 6.97 | 0.00 |
| tblVehicleTrips | WD_TR | 11.03 | 0.00 |
| tblVehicleTrips | WD_TR | 3.82 | 0.00 |
| tblVehicleTrips | WD_TR | 42.70 | 0.00 |
| tblVehicleTrips | WD_TR | 1.68 | 0.00 |
| tblWater | IndoorWaterUseRate | 167,314.87 | 0.00 |
| tblWater | IndoorWaterUseRate | 154,167,437.50 | 0.00 |
| tblWater | IndoorWaterUseRate | 11,552,693.62 | 0.00 |
| tblWater | IndoorWaterUseRate | 380,945,062.50 | 0.00 |
| tblWater | IndoorWaterUseRate | 740,725.21 | 0.00 |
| tblWater | IndoorWaterUseRate | 1,142,837,500.00 | 0.00 |
| tblWater | OutdoorWaterUseRate | 102,547.82 | 0.00 |

| | | | |
|---|---|---|---|
| tblWater | OutdoorWaterUseRate | 7,080,683.19 | 0.00 |
| tblWater | OutdoorWaterUseRate | 453,992.87 | 0.00 |

## 2.0 Emissions Summary

### 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 | | | | | |
| 2045 | 1.9847 | 8.4166 | 19.5221 | 0.0638 | 18.2141 | 0.2029 | 18.4170 | 9.9699 | 0.2029 | 10.1728 | 0.0000 | 6,248.7193 | 6,248.7193 | 0.2379 | 0.0000 | 6,254.6660 |
| 2046 | 6.4958 | 123.2977 | 55.9531 | 0.7019 | 33.3779 | 0.4255 | 33.5830 | 9.9699 | 0.4168 | 10.1728 | 0.0000 | 74,579.7810 | 74,579.7810 | 3.5591 | 0.0000 | 74,668.7582 |
| 2047 | 6.4958 | 89.2512 | 55.9531 | 0.4766 | 33.3779 | 0.2051 | 33.5830 | 9.0379 | 0.1973 | 9.2352 | 0.0000 | 49,198.0657 | 49,198.0657 | 1.9004 | 0.0000 | 49,245.5749 |
| 2048 | 63.7080 | 89.2512 | 55.9531 | 0.4766 | 33.3779 | 0.2051 | 33.5830 | 9.0379 | 0.1973 | 9.2352 | 0.0000 | 49,198.0657 | 49,198.0657 | 1.9004 | 0.0000 | 49,245.5749 |
| 2049 | 63.7080 | 1.0477 | 6.4751 | 0.0314 | 5.0439 | 0.0182 | 5.0620 | 1.3379 | 0.0173 | 1.3552 | 0.0000 | 3,119.9772 | 3,119.9772 | 0.0327 | 0.0000 | 3,120.7949 |
| 2050 | 63.6841 | 1.0397 | 6.3632 | 0.0312 | 5.0439 | 0.0176 | 5.0615 | 1.3379 | 0.0168 | 1.3547 | 0.0000 | 3,101.8378 | 3,101.8378 | 0.0321 | 0.0000 | 3,102.6392 |
| **Maximum** | **63.7080** | **123.2977** | **55.9531** | **0.7019** | **33.3779** | **0.4255** | **33.5830** | **9.9699** | **0.4168** | **10.1728** | **0.0000** | **74,579.7810** | **74,579.7810** | **3.5591** | **0.0000** | **74,668.7582** |

**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 | | | | | |
| 2045 | 1.9847 | 8.4166 | 19.5221 | 0.0638 | 7.1937 | 0.2029 | 7.3966 | 3.9122 | 0.2029 | 4.1151 | 0.0000 | 6,248.7193 | 6,248.7193 | 0.2379 | 0.0000 | 6,254.6660 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2046 | 6.4958 | 123.2977 | 55.9531 | 0.7019 | 33.3779 | 0.4255 | 33.5830 | 9.0379 | 0.4168 | 9.2352 | 0.0000 | 74,579.7810 | 74,579.7810 | 3.5591 | 0.0000 | 74,668.7582 |
| 2047 | 6.4958 | 89.2512 | 55.9531 | 0.4766 | 33.3779 | 0.2051 | 33.5830 | 9.0379 | 0.1973 | 9.2352 | 0.0000 | 49,198.0657 | 49,198.0657 | 1.9004 | 0.0000 | 49,245.5749 |
| 2048 | 63.7080 | 89.2512 | 55.9531 | 0.4766 | 33.3779 | 0.2051 | 33.5830 | 9.0379 | 0.1973 | 9.2352 | 0.0000 | 49,198.0657 | 49,198.0657 | 1.9004 | 0.0000 | 49,245.5749 |
| 2049 | 63.7080 | 1.0477 | 6.4751 | 0.0314 | 5.0439 | 0.0182 | 5.0620 | 1.3379 | 0.0173 | 1.3552 | 0.0000 | 3,119.9772 | 3,119.9772 | 0.0327 | 0.0000 | 3,120.7949 |
| 2050 | 63.6841 | 1.0397 | 6.3632 | 0.0312 | 5.0439 | 0.0176 | 5.0615 | 1.3379 | 0.0168 | 1.3547 | 0.0000 | 3,101.8378 | 3,101.8378 | 0.0321 | 0.0000 | 3,102.6392 |
| **Maximum** | **63.7080** | **123.2977** | **55.9531** | **0.7019** | **33.3779** | **0.4255** | **33.5830** | **9.0379** | **0.4168** | **9.2352** | **0.0000** | **74,579.7810** | **74,579.7810** | **3.5591** | **0.0000** | **74,668.7582** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **8.58** | **0.00** | **8.52** | **17.18** | **0.00** | **16.85** | **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 | 156.9999 | 6.7000e-003 | 0.7453 | 6.0000e-005 | | 2.6400e-003 | 2.6400e-003 | | 2.6400e-003 | 2.6400e-003 | | 1.6079 | 1.6079 | 4.1400e-003 | | 1.7115 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 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** | **156.9999** | **6.7000e-003** | **0.7453** | **6.0000e-005** | **0.0000** | **2.6400e-003** | **2.6400e-003** | **0.0000** | **2.6400e-003** | **2.6400e-003** | | **1.6079** | **1.6079** | **4.1400e-003** | **0.0000** | **1.7115** |

### 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 | 156.9999 | 6.7000e-003 | 0.7453 | 6.0000e-005 | | 2.6400e-003 | 2.6400e-003 | | 2.6400e-003 | 2.6400e-003 | | 1.6079 | 1.6079 | 4.1400e-003 | | 1.7115 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 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** | **156.9999** | **6.7000e-003** | **0.7453** | **6.0000e-005** | **0.0000** | **2.6400e-003** | **2.6400e-003** | **0.0000** | **2.6400e-003** | **2.6400e-003** | | **1.6079** | **1.6079** | **4.1400e-003** | **0.0000** | **1.7115** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | 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 | Demolition | Demolition | 1/2/2045 | 8/11/2045 | 5 | 160 | |
| 2 | Site Preparation | Site Preparation | 8/12/2045 | 2/23/2046 | 5 | 140 | |
| 3 | Grading | Grading | 2/24/2046 | 10/5/2046 | 5 | 160 | |
| 4 | Building Construction | Building Construction | 10/6/2046 | 4/17/2048 | 5 | 400 | |
| 5 | Paving | Paving | 4/18/2048 | 11/27/2048 | 5 | 160 | |
| 6 | Architectural Coating | Architectural Coating | 11/28/2048 | 12/23/2050 | 5 | 540 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 400**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 10,999,888; Non-Residential Outdoor: 3,666,629; Striped Parking**

### OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Excavators | 3 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| 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 |
| 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 |
| 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 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

## Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 6 | 15.00 | 0.00 | 3,873.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 8 | 20.00 | 0.00 | 144,688.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 3,072.00 | 1,202.00 | 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 |
| Architectural Coating | 1 | 614.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

## 3.2 Demolition - 2045

### 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 | | | | | 5.3037 | 0.0000 | 5.3037 | 0.8032 | 0.0000 | 0.8032 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6982 | 5.3064 | 18.5788 | 0.0462 | | 0.1629 | 0.1629 | | 0.1629 | 0.1629 | | 4,378.5819 | 4,378.5819 | 0.1484 | | 4,382.2921 |
| **Total** | **1.6982** | **5.3064** | **18.5788** | **0.0462** | **5.3037** | **0.1629** | **5.4666** | **0.8032** | **0.1629** | **0.9661** | | **4,378.5819** | **4,378.5819** | **0.1484** | | **4,382.2921** |

### 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 | 0.0972 | 3.1024 | 0.8289 | 0.0169 | 0.4235 | 5.3600e-003 | 0.4289 | 0.1161 | 5.1200e-003 | 0.1212 | | 1,800.7922 | 1,800.7922 | 0.0889 | | 1,803.0148 |
| 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 |
| Worker | 0.0159 | 7.8400e-003 | 0.1144 | 6.9000e-004 | 0.1232 | 2.6000e-004 | 0.1235 | 0.0327 | 2.4000e-004 | 0.0329 | | 69.3452 | 69.3452 | 5.6000e-004 | | 69.3591 |
| **Total** | **0.1130** | **3.1102** | **0.9433** | **0.0176** | **0.5468** | **5.6200e-003** | **0.5524** | **0.1488** | **5.3600e-003** | **0.1542** | | **1,870.1374** | **1,870.1374** | **0.0895** | | **1,872.3739** |

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.0684 | 0.0000 | 2.0684 | 0.3132 | 0.0000 | 0.3132 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6982 | 5.3064 | 18.5788 | 0.0462 | | 0.1629 | 0.1629 | | 0.1629 | 0.1629 | 0.0000 | 4,378.5819 | 4,378.5819 | 0.1484 | | 4,382.2920 |
| **Total** | **1.6982** | **5.3064** | **18.5788** | **0.0462** | **2.0684** | **0.1629** | **2.2313** | **0.3132** | **0.1629** | **0.4761** | **0.0000** | **4,378.5819** | **4,378.5819** | **0.1484** | | **4,382.2920** |

**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 | 0.0972 | 3.1024 | 0.8289 | 0.0169 | 0.4235 | 5.3600e-003 | 0.4289 | 0.1161 | 5.1200e-003 | 0.1212 | | 1,800.7922 | 1,800.7922 | 0.0889 | | 1,803.0148 |
| 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 |
| Worker | 0.0159 | 7.8400e-003 | 0.1144 | 6.9000e-004 | 0.1232 | 2.6000e-004 | 0.1235 | 0.0327 | 2.4000e-004 | 0.0329 | | 69.3452 | 69.3452 | 5.6000e-004 | | 69.3591 |
| **Total** | **0.1130** | **3.1102** | **0.9433** | **0.0176** | **0.5468** | **5.6200e-003** | **0.5524** | **0.1488** | **5.3600e-003** | **0.1542** | | **1,870.1374** | **1,870.1374** | **0.0895** | | **1,872.3739** |

## 3.3 Site Preparation - 2045

**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 | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.9657 | 7.9943 | 15.7797 | 0.0466 | | 0.2026 | 0.2026 | | 0.2026 | 0.2026 | | 4,409.7537 | 4,409.7537 | 0.1707 | | 4,414.0214 |
| **Total** | **1.9657** | **7.9943** | **15.7797** | **0.0466** | **18.0663** | **0.2026** | **18.2688** | **9.9307** | **0.2026** | **10.1333** | | **4,409.7537** | **4,409.7537** | **0.1707** | | **4,414.0214** |

## 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 |
| 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 |
| Worker | 0.0190 | 9.4000e-003 | 0.1373 | 8.3000e-004 | 0.1479 | 3.1000e-004 | 0.1482 | 0.0392 | 2.9000e-004 | 0.0395 | | 83.2142 | 83.2142 | 6.7000e-004 | | 83.2309 |
| **Total** | **0.0190** | **9.4000e-003** | **0.1373** | **8.3000e-004** | **0.1479** | **3.1000e-004** | **0.1482** | **0.0392** | **2.9000e-004** | **0.0395** | | **83.2142** | **83.2142** | **6.7000e-004** | | **83.2309** |

## 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 | | | | | 7.0458 | 0.0000 | 7.0458 | 3.8730 | 0.0000 | 3.8730 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.9657 | 7.9943 | 15.7797 | 0.0466 | | 0.2026 | 0.2026 | | 0.2026 | 0.2026 | 0.0000 | 4,409.7537 | 4,409.7537 | 0.1707 | | 4,414.0214 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **1.9657** | **7.9943** | **15.7797** | **0.0466** | **7.0458** | **0.2026** | **7.2484** | **3.8730** | **0.2026** | **4.0755** | **0.0000** | **4,409.7537** | **4,409.7537** | **0.1707** | | **4,414.0214** |

**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 |
| 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 |
| Worker | 0.0190 | 9.4000e-003 | 0.1373 | 8.3000e-004 | 0.1479 | 3.1000e-004 | 0.1482 | 0.0392 | 2.9000e-004 | 0.0395 | | 83.2142 | 83.2142 | 6.7000e-004 | | 83.2309 |
| **Total** | **0.0190** | **9.4000e-003** | **0.1373** | **8.3000e-004** | **0.1479** | **3.1000e-004** | **0.1482** | **0.0392** | **2.9000e-004** | **0.0395** | | **83.2142** | **83.2142** | **6.7000e-004** | | **83.2309** |

## 3.3 Site Preparation - 2046

**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 | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.9657 | 7.9943 | 15.7797 | 0.0466 | | 0.2026 | 0.2026 | | 0.2026 | 0.2026 | | 4,409.7537 | 4,409.7537 | 0.1707 | | 4,414.0214 |
| **Total** | **1.9657** | **7.9943** | **15.7797** | **0.0466** | **18.0663** | **0.2026** | **18.2688** | **9.9307** | **0.2026** | **10.1333** | | **4,409.7537** | **4,409.7537** | **0.1707** | | **4,414.0214** |

**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 |
| 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 |
| Worker | 0.0190 | 9.4000e-003 | 0.1373 | 8.3000e-004 | 0.1479 | 3.1000e-004 | 0.1482 | 0.0392 | 2.9000e-004 | 0.0395 | | 83.2142 | 83.2142 | 6.7000e-004 | | 83.2309 |
| **Total** | **0.0190** | **9.4000e-003** | **0.1373** | **8.3000e-004** | **0.1479** | **3.1000e-004** | **0.1482** | **0.0392** | **2.9000e-004** | **0.0395** | | **83.2142** | **83.2142** | **6.7000e-004** | | **83.2309** |

## 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 | | | | | 7.0458 | 0.0000 | 7.0458 | 3.8730 | 0.0000 | 3.8730 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.9657 | 7.9943 | 15.7797 | 0.0466 | | 0.2026 | 0.2026 | | 0.2026 | 0.2026 | 0.0000 | 4,409.7537 | 4,409.7537 | 0.1707 | | 4,414.0214 |
| **Total** | **1.9657** | **7.9943** | **15.7797** | **0.0466** | **7.0458** | **0.2026** | **7.2484** | **3.8730** | **0.2026** | **4.0755** | **0.0000** | **4,409.7537** | **4,409.7537** | **0.1707** | | **4,414.0214** |

## 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 |
| 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 |
| Worker | 0.0190 | 9.4000e-003 | 0.1373 | 8.3000e-004 | 0.1479 | 3.1000e-004 | 0.1482 | 0.0392 | 2.9000e-004 | 0.0395 | | 83.2142 | 83.2142 | 6.7000e-004 | | 83.2309 |
| **Total** | **0.0190** | **9.4000e-003** | **0.1373** | **8.3000e-004** | **0.1479** | **3.1000e-004** | **0.1482** | **0.0392** | **2.9000e-004** | **0.0395** | | **83.2142** | **83.2142** | **6.7000e-004** | | **83.2309** |

## 3.4 Grading - 2046

### 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 | | | | | 10.7065 | 0.0000 | 10.7065 | 3.9044 | 0.0000 | 3.9044 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7241 | 7.3885 | 22.3122 | 0.0699 | | 0.2250 | 0.2250 | | 0.2250 | 0.2250 | | 7,213.1086 | 7,213.1086 | 0.2370 | | 7,219.0343 |
| **Total** | **2.7241** | **7.3885** | **22.3122** | **0.0699** | **10.7065** | **0.2250** | **10.9315** | **3.9044** | **0.2250** | **4.1294** | | **7,213.1086** | **7,213.1086** | **0.2370** | | **7,219.0343** |

### 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 | 3.6304 | 115.8988 | 30.9662 | 0.6311 | 15.8224 | 0.2001 | 16.0225 | 4.3376 | 0.1914 | 4.5291 | | 67,274.2122 | 67,274.2122 | 3.3213 | | 67,357.2451 |
| 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 |
| Worker | 0.0212 | 0.0105 | 0.1525 | 9.3000e-004 | 0.1643 | 3.5000e-004 | 0.1647 | 0.0436 | 3.2000e-004 | 0.0439 | | 92.4602 | 92.4602 | 7.4000e-004 | | 92.4788 |
| **Total** | **3.6516** | **115.9092** | **31.1187** | **0.6320** | **15.9867** | **0.2004** | **16.1871** | **4.3812** | **0.1917** | **4.5730** | | **67,366.6725** | **67,366.6725** | **3.3221** | | **67,449.7239** |

## 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 | | | | | 4.1755 | 0.0000 | 4.1755 | 1.5227 | 0.0000 | 1.5227 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7241 | 7.3885 | 22.3122 | 0.0699 | | 0.2250 | 0.2250 | | 0.2250 | 0.2250 | 0.0000 | 7,213.1086 | 7,213.1086 | 0.2370 | | 7,219.0343 |
| **Total** | **2.7241** | **7.3885** | **22.3122** | **0.0699** | **4.1755** | **0.2250** | **4.4006** | **1.5227** | **0.2250** | **1.7477** | **0.0000** | **7,213.1086** | **7,213.1086** | **0.2370** | | **7,219.0343** |

## 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 | 3.6304 | 115.8988 | 30.9662 | 0.6311 | 15.8224 | 0.2001 | 16.0225 | 4.3376 | 0.1914 | 4.5291 | | 67,274.2122 | 67,274.2122 | 3.3213 | | 67,357.2451 |
| 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 |
| Worker | 0.0212 | 0.0105 | 0.1525 | 9.3000e-004 | 0.1643 | 3.5000e-004 | 0.1647 | 0.0436 | 3.2000e-004 | 0.0439 | | 92.4602 | 92.4602 | 7.4000e-004 | | 92.4788 |
| **Total** | **3.6516** | **115.9092** | **31.1187** | **0.6320** | **15.9867** | **0.2004** | **16.1871** | **4.3812** | **0.1917** | **4.5730** | | **67,366.6725** | **67,366.6725** | **3.3221** | | **67,449.7239** |

## 3.5 Building Construction - 2046

### 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 | 1.1970 | 6.8903 | 16.1185 | 0.0310 | | 0.0737 | 0.0737 | | 0.0737 | 0.0737 | | 2,897.5471 | 2,897.5471 | 0.1041 | | 2,900.1503 |
| **Total** | **1.1970** | **6.8903** | **16.1185** | **0.0310** | | **0.0737** | **0.0737** | | **0.0737** | **0.0737** | | **2,897.5471** | **2,897.5471** | **0.1041** | | **2,900.1503** |

## 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 |
| Vendor | 2.0504 | 80.7562 | 16.4052 | 0.3035 | 8.1422 | 0.0776 | 8.2198 | 2.3442 | 0.0742 | 2.4183 | | 32,098.6269 | 32,098.6269 | 1.6822 | | 32,140.6808 |
| Worker | 3.2485 | 1.6047 | 23.4295 | 0.1421 | 25.2358 | 0.0538 | 25.2895 | 6.6937 | 0.0495 | 6.7432 | | 14,201.8917 | 14,201.8917 | 0.1141 | | 14,204.7439 |
| **Total** | **5.2988** | **82.3608** | **39.8347** | **0.4456** | **33.3779** | **0.1313** | **33.5093** | **9.0379** | **0.1236** | **9.1615** | | **46,300.5186** | **46,300.5186** | **1.7962** | | **46,345.4246** |

## 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 | 1.1970 | 6.8903 | 16.1185 | 0.0310 | | 0.0737 | 0.0737 | | 0.0737 | 0.0737 | 0.0000 | 2,897.5471 | 2,897.5471 | 0.1041 | | 2,900.1503 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **1.1970** | **6.8903** | **16.1185** | **0.0310** | | **0.0737** | **0.0737** | | **0.0737** | **0.0737** | **0.0000** | **2,897.5471** | **2,897.5471** | **0.1041** | | **2,900.1503** |

**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 |
| Vendor | 2.0504 | 80.7562 | 16.4052 | 0.3035 | 8.1422 | 0.0776 | 8.2198 | 2.3442 | 0.0742 | 2.4183 | | 32,098.6269 | 32,098.6269 | 1.6822 | | 32,140.6808 |
| Worker | 3.2485 | 1.6047 | 23.4295 | 0.1421 | 25.2358 | 0.0538 | 25.2895 | 6.6937 | 0.0495 | 6.7432 | | 14,201.8917 | 14,201.8917 | 0.1141 | | 14,204.7439 |
| **Total** | **5.2988** | **82.3608** | **39.8347** | **0.4456** | **33.3779** | **0.1313** | **33.5093** | **9.0379** | **0.1236** | **9.1615** | | **46,300.5186** | **46,300.5186** | **1.7962** | | **46,345.4246** |

## 3.5 Building Construction - 2047

**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 | 1.1970 | 6.8903 | 16.1185 | 0.0310 | | 0.0737 | 0.0737 | | 0.0737 | 0.0737 | | 2,897.5471 | 2,897.5471 | 0.1041 | | 2,900.1503 |
| **Total** | **1.1970** | **6.8903** | **16.1185** | **0.0310** | | **0.0737** | **0.0737** | | **0.0737** | **0.0737** | | **2,897.5471** | **2,897.5471** | **0.1041** | | **2,900.1503** |

**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 |
| Vendor | 2.0504 | 80.7562 | 16.4052 | 0.3035 | 8.1422 | 0.0776 | 8.2198 | 2.3442 | 0.0742 | 2.4183 | | 32,098.6269 | 32,098.6269 | 1.6822 | | 32,140.6808 |
| Worker | 3.2485 | 1.6047 | 23.4295 | 0.1421 | 25.2358 | 0.0538 | 25.2895 | 6.6937 | 0.0495 | 6.7432 | | 14,201.8917 | 14,201.8917 | 0.1141 | | 14,204.7439 |
| **Total** | **5.2988** | **82.3608** | **39.8347** | **0.4456** | **33.3779** | **0.1313** | **33.5093** | **9.0379** | **0.1236** | **9.1615** | | **46,300.5186** | **46,300.5186** | **1.7962** | | **46,345.4246** |

## 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 | 1.1970 | 6.8903 | 16.1185 | 0.0310 | | 0.0737 | 0.0737 | | 0.0737 | 0.0737 | 0.0000 | 2,897.5471 | 2,897.5471 | 0.1041 | | 2,900.1503 |
| **Total** | **1.1970** | **6.8903** | **16.1185** | **0.0310** | | **0.0737** | **0.0737** | | **0.0737** | **0.0737** | **0.0000** | **2,897.5471** | **2,897.5471** | **0.1041** | | **2,900.1503** |

## 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 |
| Vendor | 2.0504 | 80.7562 | 16.4052 | 0.3035 | 8.1422 | 0.0776 | 8.2198 | 2.3442 | 0.0742 | 2.4183 | | 32,098.6269 | 32,098.6269 | 1.6822 | | 32,140.6808 |
| Worker | 3.2485 | 1.6047 | 23.4295 | 0.1421 | 25.2358 | 0.0538 | 25.2895 | 6.6937 | 0.0495 | 6.7432 | | 14,201.8917 | 14,201.8917 | 0.1141 | | 14,204.7439 |
| **Total** | **5.2988** | **82.3608** | **39.8347** | **0.4456** | **33.3779** | **0.1313** | **33.5093** | **9.0379** | **0.1236** | **9.1615** | | **46,300.5186** | **46,300.5186** | **1.7962** | | **46,345.4246** |

## 3.5 Building Construction - 2048

### 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 | 1.1970 | 6.8903 | 16.1185 | 0.0310 | | 0.0737 | 0.0737 | | 0.0737 | 0.0737 | | 2,897.5471 | 2,897.5471 | 0.1041 | | 2,900.1503 |
| **Total** | **1.1970** | **6.8903** | **16.1185** | **0.0310** | | **0.0737** | **0.0737** | | **0.0737** | **0.0737** | | **2,897.5471** | **2,897.5471** | **0.1041** | | **2,900.1503** |

### 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 |
| Vendor | 2.0504 | 80.7562 | 16.4052 | 0.3035 | 8.1422 | 0.0776 | 8.2198 | 2.3442 | 0.0742 | 2.4183 | | 32,098.6269 | 32,098.6269 | 1.6822 | | 32,140.6808 |
| Worker | 3.2485 | 1.6047 | 23.4295 | 0.1421 | 25.2358 | 0.0538 | 25.2895 | 6.6937 | 0.0495 | 6.7432 | | 14,201.8917 | 14,201.8917 | 0.1141 | | 14,204.7439 |
| **Total** | **5.2988** | **82.3608** | **39.8347** | **0.4456** | **33.3779** | **0.1313** | **33.5093** | **9.0379** | **0.1236** | **9.1615** | | **46,300.5186** | **46,300.5186** | **1.7962** | | **46,345.4246** |

**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 | 1.1970 | 6.8903 | 16.1185 | 0.0310 | | 0.0737 | 0.0737 | | 0.0737 | 0.0737 | 0.0000 | 2,897.5471 | 2,897.5471 | 0.1041 | | 2,900.1503 |
| **Total** | **1.1970** | **6.8903** | **16.1185** | **0.0310** | | **0.0737** | **0.0737** | | **0.0737** | **0.0737** | **0.0000** | **2,897.5471** | **2,897.5471** | **0.1041** | | **2,900.1503** |

**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 |
| Vendor | 2.0504 | 80.7562 | 16.4052 | 0.3035 | 8.1422 | 0.0776 | 8.2198 | 2.3442 | 0.0742 | 2.4183 | | 32,098.6269 | 32,098.6269 | 1.6822 | | 32,140.6808 |
| Worker | 3.2485 | 1.6047 | 23.4295 | 0.1421 | 25.2358 | 0.0538 | 25.2895 | 6.6937 | 0.0495 | 6.7432 | | 14,201.8917 | 14,201.8917 | 0.1141 | | 14,204.7439 |
| **Total** | **5.2988** | **82.3608** | **39.8347** | **0.4456** | **33.3779** | **0.1313** | **33.5093** | **9.0379** | **0.1236** | **9.1615** | | **46,300.5186** | **46,300.5186** | **1.7962** | | **46,345.4246** |

## 3.6 Paving - 2048

**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 | 1.0112 | 3.6566 | 15.8177 | 0.0281 | | 0.1164 | 0.1164 | | 0.1164 | 0.1164 | | 2,656.5168 | 2,656.5168 | 0.0893 | | 2,658.7489 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **1.0112** | **3.6566** | **15.8177** | **0.0281** | | **0.1164** | **0.1164** | | **0.1164** | **0.1164** | | **2,656.5168** | **2,656.5168** | **0.0893** | | **2,658.7489** |

## 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 |
| 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 |
| Worker | 0.0159 | 7.8400e-003 | 0.1144 | 6.9000e-004 | 0.1232 | 2.6000e-004 | 0.1235 | 0.0327 | 2.4000e-004 | 0.0329 | | 69.3452 | 69.3452 | 5.6000e-004 | | 69.3591 |
| **Total** | **0.0159** | **7.8400e-003** | **0.1144** | **6.9000e-004** | **0.1232** | **2.6000e-004** | **0.1235** | **0.0327** | **2.4000e-004** | **0.0329** | | **69.3452** | **69.3452** | **5.6000e-004** | | **69.3591** |

## 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 | 1.0112 | 3.6566 | 15.8177 | 0.0281 | | 0.1164 | 0.1164 | | 0.1164 | 0.1164 | 0.0000 | 2,656.5168 | 2,656.5168 | 0.0893 | | 2,658.7489 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **1.0112** | **3.6566** | **15.8177** | **0.0281** | | **0.1164** | **0.1164** | | **0.1164** | **0.1164** | **0.0000** | **2,656.5168** | **2,656.5168** | **0.0893** | | **2,658.7489** |

**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 |
| 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 |
| Worker | 0.0159 | 7.8400e-003 | 0.1144 | 6.9000e-004 | 0.1232 | 2.6000e-004 | 0.1235 | 0.0327 | 2.4000e-004 | 0.0329 | | 69.3452 | 69.3452 | 5.6000e-004 | | 69.3591 |
| **Total** | **0.0159** | **7.8400e-003** | **0.1144** | **6.9000e-004** | **0.1232** | **2.6000e-004** | **0.1235** | **0.0327** | **2.4000e-004** | **0.0329** | | **69.3452** | **69.3452** | **5.6000e-004** | | **69.3591** |

## 3.7 Architectural Coating - 2048

**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 | 62.9438 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1149 | 0.7270 | 1.7923 | 2.9700e-003 | | 7.4300e-003 | 7.4300e-003 | | 7.4300e-003 | 7.4300e-003 | | 281.4481 | 281.4481 | 9.9000e-003 | | 281.6957 |
| **Total** | **63.0587** | **0.7270** | **1.7923** | **2.9700e-003** | | **7.4300e-003** | **7.4300e-003** | | **7.4300e-003** | **7.4300e-003** | | **281.4481** | **281.4481** | **9.9000e-003** | | **281.6957** |

**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 |
| 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 |
| Worker | 0.6493 | 0.3207 | 4.6828 | 0.0284 | 5.0439 | 0.0107 | 5.0546 | 1.3379 | 9.8800e-003 | 1.3478 | | 2,838.5291 | 2,838.5291 | 0.0228 | | 2,839.0992 |
| **Total** | **0.6493** | **0.3207** | **4.6828** | **0.0284** | **5.0439** | **0.0107** | **5.0546** | **1.3379** | **9.8800e-003** | **1.3478** | | **2,838.5291** | **2,838.5291** | **0.0228** | | **2,839.0992** |

## 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 | 62.9438 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1149 | 0.7270 | 1.7923 | 2.9700e-003 | | 7.4300e-003 | 7.4300e-003 | | 7.4300e-003 | 7.4300e-003 | 0.0000 | 281.4481 | 281.4481 | 9.9000e-003 | | 281.6957 |
| **Total** | **63.0587** | **0.7270** | **1.7923** | **2.9700e-003** | | **7.4300e-003** | **7.4300e-003** | | **7.4300e-003** | **7.4300e-003** | **0.0000** | **281.4481** | **281.4481** | **9.9000e-003** | | **281.6957** |

## 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 |
| 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 |
| Worker | 0.6493 | 0.3207 | 4.6828 | 0.0284 | 5.0439 | 0.0107 | 5.0546 | 1.3379 | 9.8800e-003 | 1.3478 | | 2,838.5291 | 2,838.5291 | 0.0228 | | 2,839.0992 |
| **Total** | **0.6493** | **0.3207** | **4.6828** | **0.0284** | **5.0439** | **0.0107** | **5.0546** | **1.3379** | **9.8800e-003** | **1.3478** | | **2,838.5291** | **2,838.5291** | **0.0228** | | **2,839.0992** |

## 3.7 Architectural Coating - 2049

### 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 | 62.9438 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1149 | 0.7270 | 1.7923 | 2.9700e-003 | | 7.4300e-003 | 7.4300e-003 | | 7.4300e-003 | 7.4300e-003 | | 281.4481 | 281.4481 | 9.9000e-003 | | 281.6957 |
| **Total** | **63.0587** | **0.7270** | **1.7923** | **2.9700e-003** | | **7.4300e-003** | **7.4300e-003** | | **7.4300e-003** | **7.4300e-003** | | **281.4481** | **281.4481** | **9.9000e-003** | | **281.6957** |

### 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 |
| 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 |
| Worker | 0.6493 | 0.3207 | 4.6828 | 0.0284 | 5.0439 | 0.0107 | 5.0546 | 1.3379 | 9.8800e-003 | 1.3478 | | 2,838.5291 | 2,838.5291 | 0.0228 | | 2,839.0992 |
| **Total** | **0.6493** | **0.3207** | **4.6828** | **0.0284** | **5.0439** | **0.0107** | **5.0546** | **1.3379** | **9.8800e-003** | **1.3478** | | **2,838.5291** | **2,838.5291** | **0.0228** | | **2,839.0992** |

**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 | 62.9438 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1149 | 0.7270 | 1.7923 | 2.9700e-003 | | 7.4300e-003 | 7.4300e-003 | | 7.4300e-003 | 7.4300e-003 | 0.0000 | 281.4481 | 281.4481 | 9.9000e-003 | | 281.6957 |
| **Total** | **63.0587** | **0.7270** | **1.7923** | **2.9700e-003** | | **7.4300e-003** | **7.4300e-003** | | **7.4300e-003** | **7.4300e-003** | **0.0000** | **281.4481** | **281.4481** | **9.9000e-003** | | **281.6957** |

**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 |
| 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 |
| Worker | 0.6493 | 0.3207 | 4.6828 | 0.0284 | 5.0439 | 0.0107 | 5.0546 | 1.3379 | 9.8800e-003 | 1.3478 | | 2,838.5291 | 2,838.5291 | 0.0228 | | 2,839.0992 |
| **Total** | **0.6493** | **0.3207** | **4.6828** | **0.0284** | **5.0439** | **0.0107** | **5.0546** | **1.3379** | **9.8800e-003** | **1.3478** | | **2,838.5291** | **2,838.5291** | **0.0228** | | **2,839.0992** |

## 3.7 Architectural Coating - 2050

**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 | 62.9438 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1149 | 0.7270 | 1.7923 | 2.9700e-003 | | 7.4300e-003 | 7.4300e-003 | | 7.4300e-003 | 7.4300e-003 | | 281.4481 | 281.4481 | 9.9000e-003 | | 281.6957 |
| **Total** | **63.0587** | **0.7270** | **1.7923** | **2.9700e-003** | | **7.4300e-003** | **7.4300e-003** | | **7.4300e-003** | **7.4300e-003** | | **281.4481** | **281.4481** | **9.9000e-003** | | **281.6957** |

## 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 |
| 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 |
| Worker | 0.6254 | 0.3127 | 4.5709 | 0.0282 | 5.0439 | 0.0102 | 5.0541 | 1.3379 | 9.3800e-003 | 1.3472 | | 2,820.3897 | 2,820.3897 | 0.0222 | | 2,820.9435 |
| **Total** | **0.6254** | **0.3127** | **4.5709** | **0.0282** | **5.0439** | **0.0102** | **5.0541** | **1.3379** | **9.3800e-003** | **1.3472** | | **2,820.3897** | **2,820.3897** | **0.0222** | | **2,820.9435** |

## 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 | 62.9438 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road | 0.1149 | 0.7270 | 1.7923 | 2.9700e-003 | | 7.4300e-003 | 7.4300e-003 | | 7.4300e-003 | 7.4300e-003 | 0.0000 | 281.4481 | 281.4481 | 9.9000e-003 | | 281.6957 |
| **Total** | **63.0587** | **0.7270** | **1.7923** | **2.9700e-003** | | **7.4300e-003** | **7.4300e-003** | | **7.4300e-003** | **7.4300e-003** | **0.0000** | **281.4481** | **281.4481** | **9.9000e-003** | | **281.6957** |

**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 |
| 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 |
| Worker | 0.6254 | 0.3127 | 4.5709 | 0.0282 | 5.0439 | 0.0102 | 5.0541 | 1.3379 | 9.3800e-003 | 1.3472 | | 2,820.3897 | 2,820.3897 | 0.0222 | | 2,820.9435 |
| **Total** | **0.6254** | **0.3127** | **4.5709** | **0.0282** | **5.0439** | **0.0102** | **5.0541** | **1.3379** | **9.3800e-003** | **1.3472** | | **2,820.3897** | **2,820.3897** | **0.0222** | | **2,820.9435** |

# 4.0 Operational Detail - Mobile

## 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Convenience Market With Gas Pumps | 0.00 | 0.00 | 0.00 | | |
| General Light Industry | 0.00 | 0.00 | 0.00 | | |
| General Office Building | 0.00 | 0.00 | 0.00 | | |
| Manufacturing | 0.00 | 0.00 | 0.00 | | |
| Regional Shopping Center | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | 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 |
| Convenience Market With Gas Pumps | 9.50 | 7.30 | 7.30 | 0.80 | 80.20 | 19.00 | 14 | 21 | 65 |
| General Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| Manufacturing | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |
| Unrefrigerated Warehouse-No Rail | 9.50 | 7.30 | 7.30 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Convenience Market With Gas Pumps | 0.570617 | 0.032735 | 0.184950 | 0.099134 | 0.008595 | 0.004048 | 0.019079 | 0.071705 | 0.001393 | 0.001267 | 0.005268 | 0.000701 | 0.000507 |
| General Light Industry | 0.570617 | 0.032735 | 0.184950 | 0.099134 | 0.008595 | 0.004048 | 0.019079 | 0.071705 | 0.001393 | 0.001267 | 0.005268 | 0.000701 | 0.000507 |
| General Office Building | 0.570617 | 0.032735 | 0.184950 | 0.099134 | 0.008595 | 0.004048 | 0.019079 | 0.071705 | 0.001393 | 0.001267 | 0.005268 | 0.000701 | 0.000507 |
| Manufacturing | 0.570617 | 0.032735 | 0.184950 | 0.099134 | 0.008595 | 0.004048 | 0.019079 | 0.071705 | 0.001393 | 0.001267 | 0.005268 | 0.000701 | 0.000507 |
| Regional Shopping Center | 0.570617 | 0.032735 | 0.184950 | 0.099134 | 0.008595 | 0.004048 | 0.019079 | 0.071705 | 0.001393 | 0.001267 | 0.005268 | 0.000701 | 0.000507 |
| Unrefrigerated Warehouse-No Rail | 0.570617 | 0.032735 | 0.184950 | 0.099134 | 0.008595 | 0.004048 | 0.019079 | 0.071705 | 0.001393 | 0.001267 | 0.005268 | 0.000701 | 0.000507 |

# 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

## 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 | | | | | |
| Convenience Market With Gas Pumps | 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 |
| General Light Industry | 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 |
| General Office Building | 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 |
| Manufacturing | 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 |
| Regional Shopping Center | 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 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | | | | | |
| Convenience Market With Gas Pumps | 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 |
| General Light Industry | 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 |
| General Office Building | 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 |
| Manufacturing | 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 |
| Regional Shopping Center | 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 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

# 6.0 Area Detail

## 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 | 156.9999 | 6.7000e-003 | 0.7453 | 6.0000e-005 | | 2.6400e-003 | 2.6400e-003 | | 2.6400e-003 | 2.6400e-003 | | 1.6079 | 1.6079 | 4.1400e-003 | | 1.7115 |
| Unmitigated | 156.9999 | 6.7000e-003 | 0.7453 | 6.0000e-005 | | 2.6400e-003 | 2.6400e-003 | | 2.6400e-003 | 2.6400e-003 | | 1.6079 | 1.6079 | 4.1400e-003 | | 1.7115 |

## 6.2 Area by SubCategory

### Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 156.9317 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0682 | 6.7000e-003 | 0.7453 | 6.0000e-005 | | 2.6400e-003 | 2.6400e-003 | | 2.6400e-003 | 2.6400e-003 | | 1.6079 | 1.6079 | 4.1400e-003 | | 1.7115 |
| **Total** | **156.9999** | **6.7000e-003** | **0.7453** | **6.0000e-005** | | **2.6400e-003** | **2.6400e-003** | | **2.6400e-003** | **2.6400e-003** | | **1.6079** | **1.6079** | **4.1400e-003** | | **1.7115** |

### Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 156.9317 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0682 | 6.7000e-003 | 0.7453 | 6.0000e-005 | | 2.6400e-003 | 2.6400e-003 | | 2.6400e-003 | 2.6400e-003 | | 1.6079 | 1.6079 | 4.1400e-003 | | 1.7115 |
| **Total** | **156.9999** | **6.7000e-003** | **0.7453** | **6.0000e-005** | | **2.6400e-003** | **2.6400e-003** | | **2.6400e-003** | **2.6400e-003** | | **1.6079** | **1.6079** | **4.1400e-003** | | **1.7115** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

## 11.0 Vegetation

# SCLA Specific Plan EIR - Existing Uses 2050

**San Bernardino-Mojave Desert County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| Manufacturing | 788.80 | 1000sqft | 18.11 | 788,800.00 | 0 |
| Unrefrigerated Warehouse-No Rail | 3,015.20 | 1000sqft | 69.22 | 3,015,200.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.6 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 10 | | | **Operational Year** | 2050 |
| **Utility Company** | Statewide Average | | | | |
| **CO2 Intensity (lb/MWhr)** | 0 | **CH4 Intensity (lb/MWhr)** | 0 | **N2O Intensity (lb/MWhr)** | 0 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - SB 100 = 100% renewable energy by 2045.

Land Use - Existing on-site uses. Modeled based off  thousand square feet from Traffic Impact Analysis.

Construction Phase - Existing Operational uses only.

Off-road Equipment - Existing Operational uses only.

Off-road Equipment - Existing Operational uses only.

Off-road Equipment - Existing Operational uses only.

Off-road Equipment - Existing Operational uses only.

Off-road Equipment - Existing Operational uses only.

Off-road Equipment - Existing Operational uses only.

Grading -

Vehicle Trips - Existing Operational uses only. Existing trips have already been deducted from modeled project daily ADT.

Area Coating - MDAQMD Rule 1113

Energy Use -

Trips and VMT - Operaitonal emisisons only.

Architectural Coating - MDAQMD Rule 1113

Area Mitigation - MDAQMD Rule 1113

Energy Mitigation - 2019 Title 24 requirements

Water Mitigation - 2019 CalGreen/Title 24 requirements.

Waste Mitigation - AB 341 post 2020

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 100.00 |
| tblAreaCoating | Area_EF_Nonresidential_Exterior | 250 | 50 |
| tblAreaCoating | Area_EF_Nonresidential_Interior | 250 | 50 |
| tblAreaCoating | Area_EF_Parking | 250 | 50 |
| tblAreaCoating | Area_EF_Residential_Exterior | 250 | 50 |
| tblAreaCoating | Area_EF_Residential_Interior | 250 | 50 |
| tblAreaMitigation | UseLowVOCPaintParkingCheck | False | True |
| tblConstructionPhase | NumDays | 110.00 | 0.00 |
| tblConstructionPhase | NumDays | 1,550.00 | 0.00 |
| tblConstructionPhase | NumDays | 100.00 | 0.00 |
| tblConstructionPhase | NumDays | 155.00 | 0.00 |
| tblConstructionPhase | NumDays | 110.00 | 0.00 |
| tblConstructionPhase | NumDays | 60.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |

| | | | |
|---|---|---|---|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 4.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblProjectCharacteristics | CH4IntensityFactor | 0.029 | 0 |
| tblProjectCharacteristics | CO2IntensityFactor | 1001.57 | 0 |
| tblProjectCharacteristics | N2OIntensityFactor | 0.006 | 0 |
| tblTripsAndVMT | VendorTripNumber | 623.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 1,598.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 320.00 | 0.00 |
| tblVehicleTrips | ST_TR | 1.49 | 0.00 |
| tblVehicleTrips | ST_TR | 1.68 | 0.00 |
| tblVehicleTrips | SU_TR | 0.62 | 0.00 |
| tblVehicleTrips | SU_TR | 1.68 | 0.00 |
| tblVehicleTrips | WD_TR | 3.82 | 0.00 |
| tblVehicleTrips | WD_TR | 1.68 | 0.00 |

## 2.0 Emissions Summary

## 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 | | | | | |
| 2020 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2021 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2027 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2028 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Maximum** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | | | | | |
| 2020 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2021 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2027 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2028 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Maximum** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | 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** |

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---|---|---|---|---|
| | | **Highest** | | |

## 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 | 15.7413 | 3.1000e-004 | 0.0347 | 0.0000 | | 1.2000e-004 | 1.2000e-004 | | 1.2000e-004 | 1.2000e-004 | 0.0000 | 0.0680 | 0.0680 | 1.8000e-004 | 0.0000 | 0.0724 |
| Energy | 0.1712 | 1.5563 | 1.3073 | 9.3400e-003 | | 0.1183 | 0.1183 | | 0.1183 | 0.1183 | 0.0000 | 1,694.2458 | 1,694.2458 | 0.0325 | 0.0311 | 1,704.3139 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 773.8828 | 0.0000 | 773.8828 | 45.7352 | 0.0000 | 1,917.2618 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 279.0803 | 0.0000 | 279.0803 | 28.6642 | 0.6768 | 1,197.3795 |
| **Total** | **15.9125** | **1.5566** | **1.3420** | **9.3400e-003** | **0.0000** | **0.1184** | **0.1184** | **0.0000** | **0.1184** | **0.1184** | **1,052.9630** | **1,694.3138** | **2,747.2769** | **74.4320** | **0.7079** | **4,819.0275** |

### 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 | 15.7413 | 3.1000e-004 | 0.0347 | 0.0000 | | 1.2000e-004 | 1.2000e-004 | | 1.2000e-004 | 1.2000e-004 | 0.0000 | 0.0680 | 0.0680 | 1.8000e-004 | 0.0000 | 0.0724 |
| Energy | 0.1418 | 1.2895 | 1.0832 | 7.7400e-003 | | 0.0980 | 0.0980 | | 0.0980 | 0.0980 | 0.0000 | 1,403.7381 | 1,403.7381 | 0.0269 | 0.0257 | 1,412.0798 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 193.4707 | 0.0000 | 193.4707 | 11.4338 | 0.0000 | 479.3154 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 223.2642 | 0.0000 | 223.2642 | 22.9314 | 0.5415 | 957.9036 |
| **Total** | **15.8831** | **1.2898** | **1.1179** | **7.7400e-003** | **0.0000** | **0.0981** | **0.0981** | **0.0000** | **0.0981** | **0.0981** | **416.7349** | **1,403.8060** | **1,820.5410** | **34.3923** | **0.5672** | **2,849.3712** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.18** | **17.14** | **16.70** | **17.13** | **0.00** | **17.13** | **17.13** | **0.00** | **17.13** | **17.13** | **60.42** | **17.15** | **33.73** | **53.79** | **19.87** | **40.87** |

## 3.0 Construction Detail

### Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Demolition | Demolition | 6/15/2020 | 6/14/2020 | 5 | 0 | |
| 2 | Site Preparation | Site Preparation | 10/31/2020 | 10/30/2020 | 5 | 0 | |
| 3 | Grading | Grading | 1/23/2021 | 1/22/2021 | 5 | 0 | |
| 4 | Building Construction | Building Construction | 8/28/2021 | 8/27/2021 | 5 | 0 | |
| 5 | Paving | Paving | 8/7/2027 | 8/6/2027 | 5 | 0 | |
| 6 | Architectural Coating | Architectural Coating | 1/8/2028 | 1/7/2028 | 5 | 0 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 5,706,000; Non-Residential Outdoor: 1,902,000; Striped Parking**

### OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Demolition | Excavators | 0 | 8.00 | 158 | 0.38 |

| | | | | | |
|---|---|---|---|---|---|
| Demolition | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Grading | Excavators | 0 | 8.00 | 158 | 0.38 |
| Grading | Graders | 0 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 0 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 0 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 0 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 0 | 8.00 | 46 | 0.45 |
| Paving | Pavers | 0 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 0 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 0 | 8.00 | 80 | 0.38 |
| Architectural Coating | Air Compressors | 0 | 6.00 | 78 | 0.48 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

## 3.2 Demolition - 2020

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.3 Site Preparation - 2020

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.4 Grading - 2021

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.5 Building Construction - 2021

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.6 Paving - 2027

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.7 Architectural Coating - 2028

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

### 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Manufacturing | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

### 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | 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 |
| Manufacturing | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Unrefrigerated Warehouse-No Rail | 9.50 | 7.30 | 7.30 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Manufacturing | 0.570617 | 0.032735 | 0.184950 | 0.099134 | 0.008595 | 0.004048 | 0.019079 | 0.071705 | 0.001393 | 0.001267 | 0.005268 | 0.000701 | 0.000507 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 0.570617 | 0.032735 | 0.184950 | 0.099134 | 0.008595 | 0.004048 | 0.019079 | 0.071705 | 0.001393 | 0.001267 | 0.005268 | 0.000701 | 0.000507 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

| | ROG | NOx | CO | SO2 | Fugitive 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Mitigated | 0.1418 | 1.2895 | 1.0832 | 7.7400e-003 | | 0.0980 | 0.0980 | | 0.0980 | 0.0980 | 0.0000 | 1,403.7381 | 1,403.7381 | 0.0269 | 0.0257 | 1,412.0798 |
| NaturalGas Unmitigated | 0.1712 | 1.5563 | 1.3073 | 9.3400e-003 | | 0.1183 | 0.1183 | | 0.1183 | 0.1183 | 0.0000 | 1,694.2458 | 1,694.2458 | 0.0325 | 0.0311 | 1,704.3139 |

### 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 | | | | | |
| Manufacturing | 2.56281e+007 | 0.1382 | 1.2563 | 1.0553 | 7.5400e-003 | | 0.0955 | 0.0955 | | 0.0955 | 0.0955 | 0.0000 | 1,367.6137 | 1,367.6137 | 0.0262 | 0.0251 | 1,375.7407 |
| Unrefrigerated Warehouse-No Rail | 6.12086e+006 | 0.0330 | 0.3000 | 0.2520 | 1.8000e-003 | | 0.0228 | 0.0228 | | 0.0228 | 0.0228 | 0.0000 | 326.6322 | 326.6322 | 6.2600e-003 | 5.9900e-003 | 328.5732 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | | **0.1712** | **1.5563** | **1.3073** | **9.3400e-003** | | **0.1183** | **0.1183** | | **0.1183** | **0.1183** | **0.0000** | **1,694.2458** | **1,694.2458** | **0.0325** | **0.0311** | **1,704.3139** |

**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 | | | | | |
| Manufacturing | 2.19933e+007 | 0.1186 | 1.0781 | 0.9056 | 6.4700e-003 | | 0.0819 | 0.0819 | | 0.0819 | 0.0819 | 0.0000 | 1,173.6474 | 1,173.6474 | 0.0225 | 0.0215 | 1,180.6218 |
| Unrefrigerated Warehouse-No Rail | 4.31174e+006 | 0.0233 | 0.2114 | 0.1775 | 1.2700e-003 | | 0.0161 | 0.0161 | | 0.0161 | 0.0161 | 0.0000 | 230.0907 | 230.0907 | 4.4100e-003 | 4.2200e-003 | 231.4580 |
| **Total** | | **0.1418** | **1.2895** | **1.0832** | **7.7400e-003** | | **0.0980** | **0.0980** | | **0.0980** | **0.0980** | **0.0000** | **1,403.7381** | **1,403.7381** | **0.0269** | **0.0257** | **1,412.0798** |

## 5.3 Energy by Land Use - Electricity

**Unmitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Manufacturing | 8.00632e+006 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 7.11587e+006 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**Mitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Manufacturing | 7.48571e+006 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 6.78118e+006 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

| | ROG | NOx | CO | SO2 | Fugitive 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 | 15.7413 | 3.1000e-004 | 0.0347 | 0.0000 | | 1.2000e-004 | 1.2000e-004 | | 1.2000e-004 | 1.2000e-004 | 0.0000 | 0.0680 | 0.0680 | 1.8000e-004 | 0.0000 | 0.0724 |
| Unmitigated | 15.7413 | 3.1000e-004 | 0.0347 | 0.0000 | | 1.2000e-004 | 1.2000e-004 | | 1.2000e-004 | 1.2000e-004 | 0.0000 | 0.0680 | 0.0680 | 1.8000e-004 | 0.0000 | 0.0724 |

### 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 | 0.8816 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 14.8565 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 3.1800e-003 | 3.1000e-004 | 0.0347 | 0.0000 | | 1.2000e-004 | 1.2000e-004 | | 1.2000e-004 | 1.2000e-004 | 0.0000 | 0.0680 | 0.0680 | 1.8000e-004 | 0.0000 | 0.0724 |
| **Total** | **15.7413** | **3.1000e-004** | **0.0347** | **0.0000** | | **1.2000e-004** | **1.2000e-004** | | **1.2000e-004** | **1.2000e-004** | **0.0000** | **0.0680** | **0.0680** | **1.8000e-004** | **0.0000** | **0.0724** |

**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 | 0.8816 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 14.8565 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 3.1800e-003 | 3.1000e-004 | 0.0347 | 0.0000 | | 1.2000e-004 | 1.2000e-004 | | 1.2000e-004 | 1.2000e-004 | 0.0000 | 0.0680 | 0.0680 | 1.8000e-004 | 0.0000 | 0.0724 |
| **Total** | **15.7413** | **3.1000e-004** | **0.0347** | **0.0000** | | **1.2000e-004** | **1.2000e-004** | | **1.2000e-004** | **1.2000e-004** | **0.0000** | **0.0680** | **0.0680** | **1.8000e-004** | **0.0000** | **0.0724** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| Category | MT/yr | | | |
| Mitigated | 223.2642 | 22.9314 | 0.5415 | 957.9036 |
| Unmitigated | 279.0803 | 28.6642 | 0.6768 | 1,197.3795 |

## 7.2 Water by Land Use

**Unmitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Manufacturing | 182.41 / 0 | 57.8703 | 5.9438 | 0.1404 | 248.2894 |
| Unrefrigerated Warehouse-No Rail | 697.265 / 0 | 221.2100 | 22.7204 | 0.5365 | 949.0901 |
| **Total** | | **279.0803** | **28.6642** | **0.6768** | **1,197.3795** |

**Mitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Manufacturing | 145.928 / 0 | 46.2962 | 4.7551 | 0.1123 | 198.6315 |
| Unrefrigerated Warehouse-No Rail | 557.812 / 0 | 176.9680 | 18.1763 | 0.4292 | 759.2721 |
| **Total** | | **223.2642** | **22.9314** | **0.5415** | **957.9036** |

# 8.0 Waste Detail

## 8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

**Category/Year**

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| | MT/yr | | | |
| Mitigated | 193.4707 | 11.4338 | 0.0000 | 479.3154 |
| Unmitigated | 773.8828 | 45.7352 | 0.0000 | 1,917.2618 |

## 8.2 Waste by Land Use

**Unmitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|

| Land Use | tons | MT/yr | | | |
|---|---|---|---|---|---|
| Manufacturing | 978.11 | 198.5475 | 11.7338 | 0.0000 | 491.8930 |
| Unrefrigerated Warehouse-No Rail | 2834.29 | 575.3353 | 34.0013 | 0.0000 | 1,425.3688 |
| **Total** | | **773.8828** | **45.7352** | **0.0000** | **1,917.2618** |

**Mitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Manufacturing | 244.528 | 49.6369 | 2.9335 | 0.0000 | 122.9733 |
| Unrefrigerated Warehouse-No Rail | 708.572 | 143.8338 | 8.5003 | 0.0000 | 356.3422 |
| **Total** | | **193.4707** | **11.4338** | **0.0000** | **479.3154** |

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

## 11.0 Vegetation

# SCLA Specific Plan EIR - Existing Uses 2050

**San Bernardino-Mojave Desert County, Winter**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| Manufacturing | 788.80 | 1000sqft | 18.11 | 788,800.00 | 0 |
| Unrefrigerated Warehouse-No Rail | 3,015.20 | 1000sqft | 69.22 | 3,015,200.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.6 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 10 | | | **Operational Year** | 2050 |
| **Utility Company** | Statewide Average | | | | |
| **CO2 Intensity (lb/MWhr)** | 0 | **CH4 Intensity (lb/MWhr)** | 0 | **N2O Intensity (lb/MWhr)** | 0 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - SB 100 = 100% renewable energy by 2045.

Land Use - Existing on-site uses. Modeled based off  thousand square feet from Traffic Impact Analysis.

Construction Phase - Existing Operational uses only.

Off-road Equipment - Existing Operational uses only.

Off-road Equipment - Existing Operational uses only.

Off-road Equipment - Existing Operational uses only.

Off-road Equipment - Existing Operational uses only.

Off-road Equipment - Existing Operational uses only.

Off-road Equipment - Existing Operational uses only.

Grading -

Vehicle Trips - Existing Operational uses only. Existing trips have already been deducted from modeled project daily ADT.

Area Coating - MDAQMD Rule 1113

Energy Use -

Trips and VMT - Operaitonal emisisons only.

Architectural Coating - MDAQMD Rule 1113

Area Mitigation - MDAQMD Rule 1113

Energy Mitigation - 2019 Title 24 requirements

Water Mitigation - 2019 CalGreen/Title 24 requirements.

Waste Mitigation - AB 341 post 2020

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 100.00 |
| tblAreaCoating | Area_EF_Nonresidential_Exterior | 250 | 50 |
| tblAreaCoating | Area_EF_Nonresidential_Interior | 250 | 50 |
| tblAreaCoating | Area_EF_Parking | 250 | 50 |
| tblAreaCoating | Area_EF_Residential_Exterior | 250 | 50 |
| tblAreaCoating | Area_EF_Residential_Interior | 250 | 50 |
| tblAreaMitigation | UseLowVOCPaintParkingCheck | False | True |
| tblConstructionPhase | NumDays | 110.00 | 0.00 |
| tblConstructionPhase | NumDays | 1,550.00 | 0.00 |
| tblConstructionPhase | NumDays | 100.00 | 0.00 |
| tblConstructionPhase | NumDays | 155.00 | 0.00 |
| tblConstructionPhase | NumDays | 110.00 | 0.00 |
| tblConstructionPhase | NumDays | 60.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |

| | | | |
|---|---|---|---|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 4.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblProjectCharacteristics | CH4IntensityFactor | 0.029 | 0 |
| tblProjectCharacteristics | CO2IntensityFactor | 1001.57 | 0 |
| tblProjectCharacteristics | N2OIntensityFactor | 0.006 | 0 |
| tblTripsAndVMT | VendorTripNumber | 623.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 1,598.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 320.00 | 0.00 |
| tblVehicleTrips | ST_TR | 1.49 | 0.00 |
| tblVehicleTrips | ST_TR | 1.68 | 0.00 |
| tblVehicleTrips | SU_TR | 0.62 | 0.00 |
| tblVehicleTrips | SU_TR | 1.68 | 0.00 |
| tblVehicleTrips | WD_TR | 3.82 | 0.00 |
| tblVehicleTrips | WD_TR | 1.68 | 0.00 |

## 2.0 Emissions Summary

## 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 | | | | | |
| 2020 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2021 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2027 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2028 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Maximum** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | | | | | |
| 2020 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2021 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2027 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2028 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Maximum** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | 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** |

## 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 | 86.2715 | 3.4700e-003 | 0.3859 | 3.0000e-005 | | 1.3700e-003 | 1.3700e-003 | | 1.3700e-003 | 1.3700e-003 | | 0.8325 | 0.8325 | 2.1400e-003 | | 0.8861 |
| Energy | 0.9381 | 8.5278 | 7.1633 | 0.0512 | | 0.6481 | 0.6481 | | 0.6481 | 0.6481 | | 10,233.3499 | 10,233.3499 | 0.1961 | 0.1876 | 10,294.1616 |
| Mobile | 0.0000 | 0.0000 | 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** | **87.2095** | **8.5313** | **7.5492** | **0.0512** | **0.0000** | **0.6495** | **0.6495** | **0.0000** | **0.6495** | **0.6495** | | **10,234.1824** | **10,234.1824** | **0.1983** | **0.1876** | **10,295.0477** |

### 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 | 86.2715 | 3.4700e-003 | 0.3859 | 3.0000e-005 | | 1.3700e-003 | 1.3700e-003 | | 1.3700e-003 | 1.3700e-003 | | 0.8325 | 0.8325 | 2.1400e-003 | | 0.8861 |
| Energy | 0.7772 | 7.0656 | 5.9351 | 0.0424 | | 0.5370 | 0.5370 | | 0.5370 | 0.5370 | | 8,478.6648 | 8,478.6648 | 0.1625 | 0.1554 | 8,529.0493 |
| Mobile | 0.0000 | 0.0000 | 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** | **87.0487** | **7.0690** | **6.3210** | **0.0424** | **0.0000** | **0.5384** | **0.5384** | **0.0000** | **0.5384** | **0.5384** | | **8,479.4973** | **8,479.4973** | **0.1647** | **0.1554** | **8,529.9354** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.18** | **17.14** | **16.27** | **17.15** | **0.00** | **17.11** | **17.11** | **0.00** | **17.11** | **17.11** | **0.00** | **17.15** | **17.15** | **16.96** | **17.15** | **17.15** |

## 3.0 Construction Detail

### Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Demolition | Demolition | 6/15/2020 | 6/14/2020 | 5 | 0 | |
| 2 | Site Preparation | Site Preparation | 10/31/2020 | 10/30/2020 | 5 | 0 | |
| 3 | Grading | Grading | 1/23/2021 | 1/22/2021 | 5 | 0 | |
| 4 | Building Construction | Building Construction | 8/28/2021 | 8/27/2021 | 5 | 0 | |
| 5 | Paving | Paving | 8/7/2027 | 8/6/2027 | 5 | 0 | |
| 6 | Architectural Coating | Architectural Coating | 1/8/2028 | 1/7/2028 | 5 | 0 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 5,706,000; Non-Residential Outdoor: 1,902,000; Striped Parking**

### OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Demolition | Excavators | 0 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Grading | Excavators | 0 | 8.00 | 158 | 0.38 |
| Grading | Graders | 0 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 0 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |

| | | | | | |
|---|---|---|---|---|---|
| Building Construction | Cranes | 0 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 0 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 0 | 8.00 | 46 | 0.45 |
| Paving | Pavers | 0 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 0 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 0 | 8.00 | 80 | 0.38 |
| Architectural Coating | Air Compressors | 0 | 6.00 | 78 | 0.48 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

## 3.2 Demolition - 2020

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.3 Site Preparation - 2020

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.4 Grading - 2021

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.5 Building Construction - 2021

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.6 Paving - 2027

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.7 Architectural Coating - 2028

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

# 4.0 Operational Detail - Mobile

## 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

### 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Manufacturing | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

### 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | 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 |
| Manufacturing | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Unrefrigerated Warehouse-No Rail | 9.50 | 7.30 | 7.30 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Manufacturing | 0.570617 | 0.032735 | 0.184950 | 0.099134 | 0.008595 | 0.004048 | 0.019079 | 0.071705 | 0.001393 | 0.001267 | 0.005268 | 0.000701 | 0.000507 |
| Unrefrigerated Warehouse-No Rail | 0.570617 | 0.032735 | 0.184950 | 0.099134 | 0.008595 | 0.004048 | 0.019079 | 0.071705 | 0.001393 | 0.001267 | 0.005268 | 0.000701 | 0.000507 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.7772 | 7.0656 | 5.9351 | 0.0424 | | 0.5370 | 0.5370 | | 0.5370 | 0.5370 | | 8,478.6648 | 8,478.6648 | 0.1625 | 0.1554 | 8,529.0493 |
| NaturalGas Unmitigated | 0.9381 | 8.5278 | 7.1633 | 0.0512 | | 0.6481 | 0.6481 | | 0.6481 | 0.6481 | | 10,233.3499 | 10,233.3499 | 0.1961 | 0.1876 | 10,294.1616 |

## 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 | | | | | |
| Manufacturing | 70214 | 0.7572 | 6.8837 | 5.7823 | 0.0413 | | 0.5232 | 0.5232 | | 0.5232 | 0.5232 | | 8,260.4712 | 8,260.4712 | 0.1583 | 0.1514 | 8,309.5591 |
| Unrefrigerated Warehouse-No Rail | 16769.5 | 0.1809 | 1.6441 | 1.3810 | 9.8600e-003 | | 0.1250 | 0.1250 | | 0.1250 | 0.1250 | | 1,972.8787 | 1,972.8787 | 0.0378 | 0.0362 | 1,984.6025 |
| **Total** | | **0.9381** | **8.5278** | **7.1634** | **0.0512** | | **0.6481** | **0.6481** | | **0.6481** | **0.6481** | | **10,233.3499** | **10,233.3499** | **0.1961** | **0.1876** | **10,294.1616** |

### 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 | | | | | |
| Manufacturing | 60.2557 | 0.6498 | 5.9074 | 4.9622 | 0.0354 | | 0.4490 | 0.4490 | | 0.4490 | 0.4490 | | 7,088.9030 | 7,088.9030 | 0.1359 | 0.1300 | 7,131.0288 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 11.813 | 0.1274 | 1.1581 | 0.9728 | 6.9500e-003 | | 0.0880 | 0.0880 | | 0.0880 | 0.0880 | | 1,389.7618 | 1,389.7618 | 0.0266 | 0.0255 | 1,398.0205 |
| **Total** | | **0.7772** | **7.0656** | **5.9351** | **0.0424** | | **0.5370** | **0.5370** | | **0.5370** | **0.5370** | | **8,478.6648** | **8,478.6648** | **0.1625** | **0.1554** | **8,529.0493** |

# 6.0 Area Detail

## 6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 86.2715 | 3.4700e-003 | 0.3859 | 3.0000e-005 | | 1.3700e-003 | 1.3700e-003 | | 1.3700e-003 | 1.3700e-003 | | 0.8325 | 0.8325 | 2.1400e-003 | | 0.8861 |
| Unmitigated | 86.2715 | 3.4700e-003 | 0.3859 | 3.0000e-005 | | 1.3700e-003 | 1.3700e-003 | | 1.3700e-003 | 1.3700e-003 | | 0.8325 | 0.8325 | 2.1400e-003 | | 0.8861 |

## 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 | 4.8306 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 81.4056 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0353 | 3.4700e-003 | 0.3859 | 3.0000e-005 | | 1.3700e-003 | 1.3700e-003 | | 1.3700e-003 | 1.3700e-003 | | 0.8325 | 0.8325 | 2.1400e-003 | | 0.8861 |
| **Total** | **86.2715** | **3.4700e-003** | **0.3859** | **3.0000e-005** | | **1.3700e-003** | **1.3700e-003** | | **1.3700e-003** | **1.3700e-003** | | **0.8325** | **0.8325** | **2.1400e-003** | | **0.8861** |

**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 | 4.8306 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 81.4056 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0353 | 3.4700e-003 | 0.3859 | 3.0000e-005 | | 1.3700e-003 | 1.3700e-003 | | 1.3700e-003 | 1.3700e-003 | | 0.8325 | 0.8325 | 2.1400e-003 | | 0.8861 |
| **Total** | **86.2715** | **3.4700e-003** | **0.3859** | **3.0000e-005** | | **1.3700e-003** | **1.3700e-003** | | **1.3700e-003** | **1.3700e-003** | | **0.8325** | **0.8325** | **2.1400e-003** | | **0.8861** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

## 11.0 Vegetation

# SCLA Specific Plan EIR - Existing Uses 2050

**San Bernardino-Mojave Desert County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| Manufacturing | 788.80 | 1000sqft | 18.11 | 788,800.00 | 0 |
| Unrefrigerated Warehouse-No Rail | 3,015.20 | 1000sqft | 69.22 | 3,015,200.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.6 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 10 | | | **Operational Year** | 2050 |
| **Utility Company** | Statewide Average | | | | |
| **CO2 Intensity (lb/MWhr)** | 0 | **CH4 Intensity (lb/MWhr)** | 0 | **N2O Intensity (lb/MWhr)** | 0 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - SB 100 = 100% renewable energy by 2045.

Land Use - Existing on-site uses. Modeled based off  thousand square feet from Traffic Impact Analysis.

Construction Phase - Existing Operational uses only.

Off-road Equipment - Existing Operational uses only.

Off-road Equipment - Existing Operational uses only.

Off-road Equipment - Existing Operational uses only.

Off-road Equipment - Existing Operational uses only.

Off-road Equipment - Existing Operational uses only.

Off-road Equipment - Existing Operational uses only.

Grading -

Vehicle Trips - Existing Operational uses only. Existing trips have already been deducted from modeled project daily ADT.

Area Coating - MDAQMD Rule 1113

Energy Use -

Trips and VMT - Operaitonal emisisons only.

Architectural Coating - MDAQMD Rule 1113

Area Mitigation - MDAQMD Rule 1113

Energy Mitigation - 2019 Title 24 requirements

Water Mitigation - 2019 CalGreen/Title 24 requirements.

Waste Mitigation - AB 341 post 2020

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 100.00 |
| tblAreaCoating | Area_EF_Nonresidential_Exterior | 250 | 50 |
| tblAreaCoating | Area_EF_Nonresidential_Interior | 250 | 50 |
| tblAreaCoating | Area_EF_Parking | 250 | 50 |
| tblAreaCoating | Area_EF_Residential_Exterior | 250 | 50 |
| tblAreaCoating | Area_EF_Residential_Interior | 250 | 50 |
| tblAreaMitigation | UseLowVOCPaintParkingCheck | False | True |
| tblConstructionPhase | NumDays | 110.00 | 0.00 |
| tblConstructionPhase | NumDays | 1,550.00 | 0.00 |
| tblConstructionPhase | NumDays | 100.00 | 0.00 |
| tblConstructionPhase | NumDays | 155.00 | 0.00 |
| tblConstructionPhase | NumDays | 110.00 | 0.00 |
| tblConstructionPhase | NumDays | 60.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |

| | | | |
|---|---|---|---|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 4.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblProjectCharacteristics | CH4IntensityFactor | 0.029 | 0 |
| tblProjectCharacteristics | CO2IntensityFactor | 1001.57 | 0 |
| tblProjectCharacteristics | N2OIntensityFactor | 0.006 | 0 |
| tblTripsAndVMT | VendorTripNumber | 623.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 1,598.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 320.00 | 0.00 |
| tblVehicleTrips | ST_TR | 1.49 | 0.00 |
| tblVehicleTrips | ST_TR | 1.68 | 0.00 |
| tblVehicleTrips | SU_TR | 0.62 | 0.00 |
| tblVehicleTrips | SU_TR | 1.68 | 0.00 |
| tblVehicleTrips | WD_TR | 3.82 | 0.00 |
| tblVehicleTrips | WD_TR | 1.68 | 0.00 |

## 2.0 Emissions Summary

## 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 | | | | | |
| 2020 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2021 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2027 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2028 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Maximum** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | | | | | |
| 2020 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2021 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2027 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2028 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Maximum** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | 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** |

## 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 | 86.2715 | 3.4700e-003 | 0.3859 | 3.0000e-005 | | 1.3700e-003 | 1.3700e-003 | | 1.3700e-003 | 1.3700e-003 | | 0.8325 | 0.8325 | 2.1400e-003 | | 0.8861 |
| Energy | 0.9381 | 8.5278 | 7.1633 | 0.0512 | | 0.6481 | 0.6481 | | 0.6481 | 0.6481 | | 10,233.3499 | 10,233.3499 | 0.1961 | 0.1876 | 10,294.1616 |
| Mobile | 0.0000 | 0.0000 | 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** | **87.2095** | **8.5313** | **7.5492** | **0.0512** | **0.0000** | **0.6495** | **0.6495** | **0.0000** | **0.6495** | **0.6495** | | **10,234.1824** | **10,234.1824** | **0.1983** | **0.1876** | **10,295.0477** |

### 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 | 86.2715 | 3.4700e-003 | 0.3859 | 3.0000e-005 | | 1.3700e-003 | 1.3700e-003 | | 1.3700e-003 | 1.3700e-003 | | 0.8325 | 0.8325 | 2.1400e-003 | | 0.8861 |
| Energy | 0.7772 | 7.0656 | 5.9351 | 0.0424 | | 0.5370 | 0.5370 | | 0.5370 | 0.5370 | | 8,478.6648 | 8,478.6648 | 0.1625 | 0.1554 | 8,529.0493 |
| Mobile | 0.0000 | 0.0000 | 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** | **87.0487** | **7.0690** | **6.3210** | **0.0424** | **0.0000** | **0.5384** | **0.5384** | **0.0000** | **0.5384** | **0.5384** | | **8,479.4973** | **8,479.4973** | **0.1647** | **0.1554** | **8,529.9354** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.18** | **17.14** | **16.27** | **17.15** | **0.00** | **17.11** | **17.11** | **0.00** | **17.11** | **17.11** | **0.00** | **17.15** | **17.15** | **16.96** | **17.15** | **17.15** |

## 3.0 Construction Detail

### Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Demolition | Demolition | 6/15/2020 | 6/14/2020 | 5 | 0 | |
| 2 | Site Preparation | Site Preparation | 10/31/2020 | 10/30/2020 | 5 | 0 | |
| 3 | Grading | Grading | 1/23/2021 | 1/22/2021 | 5 | 0 | |
| 4 | Building Construction | Building Construction | 8/28/2021 | 8/27/2021 | 5 | 0 | |
| 5 | Paving | Paving | 8/7/2027 | 8/6/2027 | 5 | 0 | |
| 6 | Architectural Coating | Architectural Coating | 1/8/2028 | 1/7/2028 | 5 | 0 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 5,706,000; Non-Residential Outdoor: 1,902,000; Striped Parking**

### OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Demolition | Excavators | 0 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Grading | Excavators | 0 | 8.00 | 158 | 0.38 |
| Grading | Graders | 0 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 0 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |

| | | | | | |
|---|---|---|---|---|---|
| Building Construction | Cranes | 0 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 0 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 0 | 8.00 | 46 | 0.45 |
| Paving | Pavers | 0 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 0 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 0 | 8.00 | 80 | 0.38 |
| Architectural Coating | Air Compressors | 0 | 6.00 | 78 | 0.48 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

## 3.2 Demolition - 2020

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.3 Site Preparation - 2020

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.4 Grading - 2021

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.5 Building Construction - 2021

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.6 Paving - 2027

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.7 Architectural Coating - 2028

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

# 4.0 Operational Detail - Mobile

## 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

### 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Manufacturing | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

### 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | 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 |
| Manufacturing | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Unrefrigerated Warehouse-No Rail | 9.50 | 7.30 | 7.30 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Manufacturing | 0.570617 | 0.032735 | 0.184950 | 0.099134 | 0.008595 | 0.004048 | 0.019079 | 0.071705 | 0.001393 | 0.001267 | 0.005268 | 0.000701 | 0.000507 |
| Unrefrigerated Warehouse-No Rail | 0.570617 | 0.032735 | 0.184950 | 0.099134 | 0.008595 | 0.004048 | 0.019079 | 0.071705 | 0.001393 | 0.001267 | 0.005268 | 0.000701 | 0.000507 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.7772 | 7.0656 | 5.9351 | 0.0424 | | 0.5370 | 0.5370 | | 0.5370 | 0.5370 | | 8,478.6648 | 8,478.6648 | 0.1625 | 0.1554 | 8,529.0493 |
| NaturalGas Unmitigated | 0.9381 | 8.5278 | 7.1633 | 0.0512 | | 0.6481 | 0.6481 | | 0.6481 | 0.6481 | | 10,233.3499 | 10,233.3499 | 0.1961 | 0.1876 | 10,294.1616 |

## 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 | | | | | |
| Manufacturing | 70214 | 0.7572 | 6.8837 | 5.7823 | 0.0413 | | 0.5232 | 0.5232 | | 0.5232 | 0.5232 | | 8,260.4712 | 8,260.4712 | 0.1583 | 0.1514 | 8,309.5591 |
| Unrefrigerated Warehouse-No Rail | 16769.5 | 0.1809 | 1.6441 | 1.3810 | 9.8600e-003 | | 0.1250 | 0.1250 | | 0.1250 | 0.1250 | | 1,972.8787 | 1,972.8787 | 0.0378 | 0.0362 | 1,984.6025 |
| **Total** | | **0.9381** | **8.5278** | **7.1634** | **0.0512** | | **0.6481** | **0.6481** | | **0.6481** | **0.6481** | | **10,233.3499** | **10,233.3499** | **0.1961** | **0.1876** | **10,294.1616** |

### 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 | | | | | |
| Manufacturing | 60.2557 | 0.6498 | 5.9074 | 4.9622 | 0.0354 | | 0.4490 | 0.4490 | | 0.4490 | 0.4490 | | 7,088.9030 | 7,088.9030 | 0.1359 | 0.1300 | 7,131.0288 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 11.813 | 0.1274 | 1.1581 | 0.9728 | 6.9500e-003 | | 0.0880 | 0.0880 | | 0.0880 | 0.0880 | | 1,389.7618 | 1,389.7618 | 0.0266 | 0.0255 | 1,398.0205 |
| **Total** | | **0.7772** | **7.0656** | **5.9351** | **0.0424** | | **0.5370** | **0.5370** | | **0.5370** | **0.5370** | | **8,478.6648** | **8,478.6648** | **0.1625** | **0.1554** | **8,529.0493** |

# 6.0 Area Detail

## 6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 86.2715 | 3.4700e-003 | 0.3859 | 3.0000e-005 | | 1.3700e-003 | 1.3700e-003 | | 1.3700e-003 | 1.3700e-003 | | 0.8325 | 0.8325 | 2.1400e-003 | | 0.8861 |
| Unmitigated | 86.2715 | 3.4700e-003 | 0.3859 | 3.0000e-005 | | 1.3700e-003 | 1.3700e-003 | | 1.3700e-003 | 1.3700e-003 | | 0.8325 | 0.8325 | 2.1400e-003 | | 0.8861 |

## 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 | 4.8306 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 81.4056 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0353 | 3.4700e-003 | 0.3859 | 3.0000e-005 | | 1.3700e-003 | 1.3700e-003 | | 1.3700e-003 | 1.3700e-003 | | 0.8325 | 0.8325 | 2.1400e-003 | | 0.8861 |
| **Total** | **86.2715** | **3.4700e-003** | **0.3859** | **3.0000e-005** | | **1.3700e-003** | **1.3700e-003** | | **1.3700e-003** | **1.3700e-003** | | **0.8325** | **0.8325** | **2.1400e-003** | | **0.8861** |

**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 | 4.8306 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 81.4056 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0353 | 3.4700e-003 | 0.3859 | 3.0000e-005 | | 1.3700e-003 | 1.3700e-003 | | 1.3700e-003 | 1.3700e-003 | | 0.8325 | 0.8325 | 2.1400e-003 | | 0.8861 |
| **Total** | **86.2715** | **3.4700e-003** | **0.3859** | **3.0000e-005** | | **1.3700e-003** | **1.3700e-003** | | **1.3700e-003** | **1.3700e-003** | | **0.8325** | **0.8325** | **2.1400e-003** | | **0.8861** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

## 11.0 Vegetation

# SCLA Specific Plan EIR - Unmitigated Operational

**San Bernardino-Mojave Desert County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Office Building | 345.00 | 1000sqft | 799.20 | 345,000.00 | 0 |
| General Heavy Industry | 2,750.00 | 1000sqft | 799.20 | 2,750,000.00 | 0 |
| General Light Industry | 2,525.08 | 1000sqft | 799.20 | 2,525,080.00 | 0 |
| Manufacturing | 4,551.77 | 1000sqft | 799.20 | 4,551,770.00 | 0 |
| Unrefrigerated Warehouse-No Rail | 15,612.68 | 1000sqft | 797.76 | 15,612,680.00 | 0 |
| Fast Food Restaurant w/o Drive Thru | 6.50 | 1000sqft | 0.15 | 6,500.00 | 0 |
| High Turnover (Sit Down Restaurant) | 18.00 | 1000sqft | 0.41 | 18,000.00 | 0 |
| Convenience Market With Gas Pumps | 36.00 | Pump | 0.12 | 5,082.30 | 0 |
| Regional Shopping Center | 33.00 | 1000sqft | 0.76 | 33,000.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.6 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 10 | | | **Operational Year** | 2050 |
| **Utility Company** | Statewide Average | | | | |
| **CO2 Intensity (lb/MWhr)** | 0 | **CH4 Intensity (lb/MWhr)** | 0 | **N2O Intensity (lb/MWhr)** | 0 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - Statewide Average with 100% reduction due to goals & regulation in SB 100 (2045 - 100% renewable energy).

Land Use - Based off the Land Use Intensities in the Michael Baker International, Southern California Logistics Airport Specific Plan Traffic Impact Analysis, April 23, 2020, and information from the Applicant.

Construction Phase - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Grading - Operational Run Only.

Architectural Coating - MDAQMD Rule 1113

Vehicle Trips - Per the traffic study the project would have 71,971 ADT.

Vehicle Emission Factors - EMFAC2017 Model Run for San Bernardino County (2050)

Vehicle Emission Factors - EMFAC2017 Model Run for San Bernardino County (2050)

Vehicle Emission Factors - EMFAC2017 Model Run for San Bernardino County (2050)

Area Coating - MDAQMD Rule 1113

Energy Use -

Mobile Land Use Mitigation -

Area Mitigation - MDAQMD Rule 1113

Energy Mitigation - 2019 Title 24 Requirements are 30% more efficient than model 2016 Title 24 standards.

Water Mitigation - 2019 Title 24 & CalGreen.

Waste Mitigation - AB 341 post 2020 requirement.

Fleet Mix - According to the TIA and communication with the traffic engineer, only the manufacturing, warehousing, and light industrial uses would have truck trips, thus 100% LDA (passenger cars) was assumed.

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 100.00 |
| tblAreaCoating | Area_EF_Nonresidential_Exterior | 250 | 100 |
| tblAreaCoating | Area_EF_Nonresidential_Interior | 250 | 100 |

| | | | |
|---|---|---|---|
| tblAreaCoating | Area_EF_Parking | 250 | 100 |
| tblAreaCoating | Area_EF_Residential_Exterior | 250 | 100 |
| tblAreaCoating | Area_EF_Residential_Interior | 250 | 100 |
| tblAreaMitigation | UseLowVOCPaintNonresidentialExterior Value | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintNonresidentialInterior Value | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintParkingCheck | False | True |
| tblAreaMitigation | UseLowVOCPaintParkingValue | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintResidentialExteriorValue | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintResidentialInteriorValue | 100 | 50 |
| tblConstructionPhase | NumDays | 11,000.00 | 0.00 |
| tblConstructionPhase | NumDays | 155,000.00 | 0.00 |
| tblConstructionPhase | NumDays | 10,000.00 | 0.00 |
| tblConstructionPhase | NumDays | 15,500.00 | 0.00 |
| tblConstructionPhase | NumDays | 11,000.00 | 0.00 |
| tblConstructionPhase | NumDays | 6,000.00 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.07 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.07 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.07 |
| tblFleetMix | LDA | 0.57 | 1.00 |
| tblFleetMix | LDA | 0.57 | 1.00 |
| tblFleetMix | LDA | 0.57 | 1.00 |
| tblFleetMix | LDA | 0.57 | 0.57 |
| tblFleetMix | LDA | 0.57 | 1.00 |
| tblFleetMix | LDA | 0.57 | 1.00 |

| | | | |
|---|---|---|---|
| tblFleetMix | LDA | 0.57 | 0.57 |
| tblFleetMix | LDA | 0.57 | 1.00 |
| tblFleetMix | LDA | 0.57 | 0.57 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.03 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.03 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.03 |
| tblFleetMix | LDT2 | 0.18 | 0.00 |
| tblFleetMix | LDT2 | 0.18 | 0.00 |
| tblFleetMix | LDT2 | 0.18 | 0.00 |
| tblFleetMix | LDT2 | 0.18 | 0.19 |
| tblFleetMix | LDT2 | 0.18 | 0.00 |
| tblFleetMix | LDT2 | 0.18 | 0.00 |
| tblFleetMix | LDT2 | 0.18 | 0.19 |
| tblFleetMix | LDT2 | 0.18 | 0.00 |
| tblFleetMix | LDT2 | 0.18 | 0.19 |
| tblFleetMix | LHD1 | 8.5950e-003 | 0.00 |
| tblFleetMix | LHD1 | 8.5950e-003 | 0.00 |
| tblFleetMix | LHD1 | 8.5950e-003 | 0.00 |
| tblFleetMix | LHD1 | 8.5950e-003 | 8.7560e-003 |
| tblFleetMix | LHD1 | 8.5950e-003 | 0.00 |
| tblFleetMix | LHD1 | 8.5950e-003 | 0.00 |
| tblFleetMix | LHD1 | 8.5950e-003 | 8.7560e-003 |
| tblFleetMix | LHD1 | 8.5950e-003 | 0.00 |
| tblFleetMix | LHD1 | 8.5950e-003 | 8.7560e-003 |

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|---|---|---|---|
| tblFleetMix | LHD2 | 4.0480e-003 | 0.00 |
| tblFleetMix | LHD2 | 4.0480e-003 | 0.00 |
| tblFleetMix | LHD2 | 4.0480e-003 | 0.00 |
| tblFleetMix | LHD2 | 4.0480e-003 | 4.0540e-003 |
| tblFleetMix | LHD2 | 4.0480e-003 | 0.00 |
| tblFleetMix | LHD2 | 4.0480e-003 | 0.00 |
| tblFleetMix | LHD2 | 4.0480e-003 | 4.0540e-003 |
| tblFleetMix | LHD2 | 4.0480e-003 | 0.00 |
| tblFleetMix | LHD2 | 4.0480e-003 | 4.0540e-003 |
| tblFleetMix | MCY | 5.2680e-003 | 0.00 |
| tblFleetMix | MCY | 5.2680e-003 | 0.00 |
| tblFleetMix | MCY | 5.2680e-003 | 0.00 |
| tblFleetMix | MCY | 5.2680e-003 | 5.2780e-003 |
| tblFleetMix | MCY | 5.2680e-003 | 0.00 |
| tblFleetMix | MCY | 5.2680e-003 | 0.00 |
| tblFleetMix | MCY | 5.2680e-003 | 5.2780e-003 |
| tblFleetMix | MCY | 5.2680e-003 | 0.00 |
| tblFleetMix | MCY | 5.2680e-003 | 5.2780e-003 |
| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.10 |
| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.10 |
| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.10 |
| tblFleetMix | MH | 5.0700e-004 | 0.00 |
| tblFleetMix | MH | 5.0700e-004 | 0.00 |
| tblFleetMix | MH | 5.0700e-004 | 0.00 |

| | | | |
|---|---|---|---|
| tblFleetMix | MH | 5.0700e-004 | 5.1200e-004 |
| tblFleetMix | MH | 5.0700e-004 | 0.00 |
| tblFleetMix | MH | 5.0700e-004 | 0.00 |
| tblFleetMix | MH | 5.0700e-004 | 5.1200e-004 |
| tblFleetMix | MH | 5.0700e-004 | 0.00 |
| tblFleetMix | MH | 5.0700e-004 | 5.1200e-004 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.02 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.02 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.02 |
| tblFleetMix | OBUS | 1.3930e-003 | 0.00 |
| tblFleetMix | OBUS | 1.3930e-003 | 0.00 |
| tblFleetMix | OBUS | 1.3930e-003 | 0.00 |
| tblFleetMix | OBUS | 1.3930e-003 | 1.3890e-003 |
| tblFleetMix | OBUS | 1.3930e-003 | 0.00 |
| tblFleetMix | OBUS | 1.3930e-003 | 0.00 |
| tblFleetMix | OBUS | 1.3930e-003 | 1.3890e-003 |
| tblFleetMix | OBUS | 1.3930e-003 | 0.00 |
| tblFleetMix | OBUS | 1.3930e-003 | 1.3890e-003 |
| tblFleetMix | SBUS | 7.0100e-004 | 0.00 |
| tblFleetMix | SBUS | 7.0100e-004 | 0.00 |
| tblFleetMix | SBUS | 7.0100e-004 | 0.00 |
| tblFleetMix | SBUS | 7.0100e-004 | 7.1900e-004 |
| tblFleetMix | SBUS | 7.0100e-004 | 0.00 |
| tblFleetMix | SBUS | 7.0100e-004 | 0.00 |

| | | | |
|---|---|---|---|
| tblFleetMix | SBUS | 7.0100e-004 | 7.1900e-004 |
| tblFleetMix | SBUS | 7.0100e-004 | 0.00 |
| tblFleetMix | SBUS | 7.0100e-004 | 7.1900e-004 |
| tblFleetMix | UBUS | 1.2670e-003 | 0.00 |
| tblFleetMix | UBUS | 1.2670e-003 | 0.00 |
| tblFleetMix | UBUS | 1.2670e-003 | 0.00 |
| tblFleetMix | UBUS | 1.2670e-003 | 1.2680e-003 |
| tblFleetMix | UBUS | 1.2670e-003 | 0.00 |
| tblFleetMix | UBUS | 1.2670e-003 | 0.00 |
| tblFleetMix | UBUS | 1.2670e-003 | 1.2680e-003 |
| tblFleetMix | UBUS | 1.2670e-003 | 0.00 |
| tblFleetMix | UBUS | 1.2670e-003 | 1.2680e-003 |
| tblLandUse | LandUseSquareFeet | 15,612,700.00 | 15,612,680.00 |
| tblLandUse | LotAcreage | 7.92 | 799.20 |
| tblLandUse | LotAcreage | 63.13 | 799.20 |
| tblLandUse | LotAcreage | 57.97 | 799.20 |
| tblLandUse | LotAcreage | 104.49 | 799.20 |
| tblLandUse | LotAcreage | 358.42 | 797.76 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |

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|---|---|---|---|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 4.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblProjectCharacteristics | CH4IntensityFactor | 0.029 | 0 |
| tblProjectCharacteristics | CO2IntensityFactor | 1001.57 | 0 |
| tblProjectCharacteristics | N2OIntensityFactor | 0.006 | 0 |
| tblVehicleEF | HHD | 0.83 | 0.03 |
| tblVehicleEF | HHD | 0.03 | 0.03 |
| tblVehicleEF | HHD | 0.05 | 0.00 |
| tblVehicleEF | HHD | 2.11 | 8.88 |
| tblVehicleEF | HHD | 0.55 | 0.30 |
| tblVehicleEF | HHD | 1.64 | 2.2740e-003 |
| tblVehicleEF | HHD | 6,274.34 | 1,131.00 |
| tblVehicleEF | HHD | 1,396.15 | 957.24 |
| tblVehicleEF | HHD | 4.91 | 0.02 |
| tblVehicleEF | HHD | 17.41 | 7.10 |
| tblVehicleEF | HHD | 1.08 | 1.93 |
| tblVehicleEF | HHD | 20.19 | 2.35 |
| tblVehicleEF | HHD | 1.7080e-003 | 2.5610e-003 |
| tblVehicleEF | HHD | 0.06 | 0.06 |
| tblVehicleEF | HHD | 0.04 | 0.04 |
| tblVehicleEF | HHD | 4.8890e-003 | 0.02 |
| tblVehicleEF | HHD | 6.1000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.6340e-003 | 2.4500e-003 |
| tblVehicleEF | HHD | 0.03 | 0.03 |
| tblVehicleEF | HHD | 8.8770e-003 | 8.9080e-003 |

| | | | |
|---|---|---|---|
| tblVehicleEF | HHD | 4.6770e-003 | 0.02 |
| tblVehicleEF | HHD | 5.6000e-005 | 0.00 |
| tblVehicleEF | HHD | 6.2000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 2.0270e-003 | 3.0000e-005 |
| tblVehicleEF | HHD | 0.56 | 0.60 |
| tblVehicleEF | HHD | 3.9000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.06 | 0.02 |
| tblVehicleEF | HHD | 1.3800e-004 | 1.4700e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | HHD | 0.06 | 0.01 |
| tblVehicleEF | HHD | 0.01 | 8.8470e-003 |
| tblVehicleEF | HHD | 7.6000e-005 | 0.00 |
| tblVehicleEF | HHD | 6.2000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 2.0270e-003 | 3.0000e-005 |
| tblVehicleEF | HHD | 0.65 | 0.68 |
| tblVehicleEF | HHD | 3.9000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.10 | 0.05 |
| tblVehicleEF | HHD | 1.3800e-004 | 1.4700e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | HHD | 0.78 | 0.03 |
| tblVehicleEF | HHD | 0.03 | 0.03 |
| tblVehicleEF | HHD | 0.05 | 0.00 |
| tblVehicleEF | HHD | 1.53 | 8.76 |
| tblVehicleEF | HHD | 0.55 | 0.30 |
| tblVehicleEF | HHD | 1.53 | 2.1260e-003 |
| tblVehicleEF | HHD | 6,647.11 | 1,116.18 |
| tblVehicleEF | HHD | 1,396.15 | 957.25 |
| tblVehicleEF | HHD | 4.91 | 0.02 |
| tblVehicleEF | HHD | 17.97 | 6.75 |
| tblVehicleEF | HHD | 1.02 | 1.82 |

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|---|---|---|---|
| tblVehicleEF | HHD | 20.19 | 2.35 |
| tblVehicleEF | HHD | 1.4400e-003 | 2.2760e-003 |
| tblVehicleEF | HHD | 0.06 | 0.06 |
| tblVehicleEF | HHD | 0.04 | 0.04 |
| tblVehicleEF | HHD | 4.8890e-003 | 0.02 |
| tblVehicleEF | HHD | 6.1000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.3780e-003 | 2.1770e-003 |
| tblVehicleEF | HHD | 0.03 | 0.03 |
| tblVehicleEF | HHD | 8.8770e-003 | 8.9080e-003 |
| tblVehicleEF | HHD | 4.6770e-003 | 0.02 |
| tblVehicleEF | HHD | 5.6000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.1800e-004 | 2.0000e-006 |
| tblVehicleEF | HHD | 2.2440e-003 | 3.3000e-005 |
| tblVehicleEF | HHD | 0.53 | 0.63 |
| tblVehicleEF | HHD | 8.1000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.06 | 0.02 |
| tblVehicleEF | HHD | 1.3900e-004 | 1.4700e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | HHD | 0.06 | 0.01 |
| tblVehicleEF | HHD | 0.01 | 8.8470e-003 |
| tblVehicleEF | HHD | 7.4000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.1800e-004 | 2.0000e-006 |
| tblVehicleEF | HHD | 2.2440e-003 | 3.3000e-005 |
| tblVehicleEF | HHD | 0.61 | 0.72 |
| tblVehicleEF | HHD | 8.1000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.10 | 0.05 |
| tblVehicleEF | HHD | 1.3900e-004 | 1.4700e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | HHD | 0.89 | 0.03 |
| tblVehicleEF | HHD | 0.03 | 0.03 |

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|---|---|---|---|
| tblVehicleEF | HHD | 0.05 | 0.00 |
| tblVehicleEF | HHD | 2.91 | 9.03 |
| tblVehicleEF | HHD | 0.55 | 0.30 |
| tblVehicleEF | HHD | 1.61 | 2.2370e-003 |
| tblVehicleEF | HHD | 5,759.57 | 1,151.45 |
| tblVehicleEF | HHD | 1,396.15 | 957.24 |
| tblVehicleEF | HHD | 4.91 | 0.02 |
| tblVehicleEF | HHD | 16.63 | 7.59 |
| tblVehicleEF | HHD | 1.07 | 1.90 |
| tblVehicleEF | HHD | 20.19 | 2.35 |
| tblVehicleEF | HHD | 2.0790e-003 | 2.9560e-003 |
| tblVehicleEF | HHD | 0.06 | 0.06 |
| tblVehicleEF | HHD | 0.04 | 0.04 |
| tblVehicleEF | HHD | 4.8890e-003 | 0.02 |
| tblVehicleEF | HHD | 6.1000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.9890e-003 | 2.8280e-003 |
| tblVehicleEF | HHD | 0.03 | 0.03 |
| tblVehicleEF | HHD | 8.8770e-003 | 8.9080e-003 |
| tblVehicleEF | HHD | 4.6770e-003 | 0.02 |
| tblVehicleEF | HHD | 5.6000e-005 | 0.00 |
| tblVehicleEF | HHD | 5.7000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 2.1340e-003 | 3.1000e-005 |
| tblVehicleEF | HHD | 0.61 | 0.55 |
| tblVehicleEF | HHD | 3.7000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.06 | 0.02 |
| tblVehicleEF | HHD | 1.5100e-004 | 1.6100e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | HHD | 0.05 | 0.01 |
| tblVehicleEF | HHD | 0.01 | 8.8470e-003 |
| tblVehicleEF | HHD | 7.5000e-005 | 0.00 |

| | | | |
|---|---|---|---|
| tblVehicleEF | HHD | 5.7000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 2.1340e-003 | 3.1000e-005 |
| tblVehicleEF | HHD | 0.70 | 0.63 |
| tblVehicleEF | HHD | 3.7000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.10 | 0.05 |
| tblVehicleEF | HHD | 1.5100e-004 | 1.6100e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | LDA | 1.2210e-003 | 5.8400e-004 |
| tblVehicleEF | LDA | 4.7700e-004 | 0.02 |
| tblVehicleEF | LDA | 0.24 | 0.36 |
| tblVehicleEF | LDA | 0.30 | 1.26 |
| tblVehicleEF | LDA | 162.22 | 182.70 |
| tblVehicleEF | LDA | 34.63 | 35.74 |
| tblVehicleEF | LDA | 0.02 | 0.02 |
| tblVehicleEF | LDA | 0.01 | 0.11 |
| tblVehicleEF | LDA | 5.5000e-004 | 4.7100e-004 |
| tblVehicleEF | LDA | 7.9200e-004 | 6.0900e-004 |
| tblVehicleEF | LDA | 5.0600e-004 | 4.3300e-004 |
| tblVehicleEF | LDA | 7.2800e-004 | 5.6000e-004 |
| tblVehicleEF | LDA | 0.01 | 0.02 |
| tblVehicleEF | LDA | 0.03 | 0.03 |
| tblVehicleEF | LDA | 9.2080e-003 | 0.01 |
| tblVehicleEF | LDA | 3.0650e-003 | 1.6070e-003 |
| tblVehicleEF | LDA | 0.02 | 0.14 |
| tblVehicleEF | LDA | 6.4280e-003 | 0.06 |
| tblVehicleEF | LDA | 1.6220e-003 | 1.8070e-003 |
| tblVehicleEF | LDA | 3.5000e-004 | 3.5400e-004 |
| tblVehicleEF | LDA | 0.01 | 0.02 |
| tblVehicleEF | LDA | 0.03 | 0.03 |
| tblVehicleEF | LDA | 9.2080e-003 | 0.01 |

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|---|---|---|---|
| tblVehicleEF | LDA | 4.4570e-003 | 2.3290e-003 |
| tblVehicleEF | LDA | 0.02 | 0.14 |
| tblVehicleEF | LDA | 7.0380e-003 | 0.06 |
| tblVehicleEF | LDA | 1.3920e-003 | 6.7400e-004 |
| tblVehicleEF | LDA | 3.9800e-004 | 0.01 |
| tblVehicleEF | LDA | 0.30 | 0.45 |
| tblVehicleEF | LDA | 0.25 | 1.07 |
| tblVehicleEF | LDA | 177.52 | 199.49 |
| tblVehicleEF | LDA | 34.63 | 35.40 |
| tblVehicleEF | LDA | 0.02 | 0.01 |
| tblVehicleEF | LDA | 9.5520e-003 | 0.10 |
| tblVehicleEF | LDA | 5.5000e-004 | 4.7100e-004 |
| tblVehicleEF | LDA | 7.9200e-004 | 6.0900e-004 |
| tblVehicleEF | LDA | 5.0600e-004 | 4.3300e-004 |
| tblVehicleEF | LDA | 7.2800e-004 | 5.6000e-004 |
| tblVehicleEF | LDA | 0.02 | 0.03 |
| tblVehicleEF | LDA | 0.03 | 0.04 |
| tblVehicleEF | LDA | 0.02 | 0.03 |
| tblVehicleEF | LDA | 3.4880e-003 | 1.8230e-003 |
| tblVehicleEF | LDA | 0.02 | 0.14 |
| tblVehicleEF | LDA | 5.3660e-003 | 0.05 |
| tblVehicleEF | LDA | 1.7760e-003 | 1.9730e-003 |
| tblVehicleEF | LDA | 0.02 | 0.03 |
| tblVehicleEF | LDA | 0.03 | 0.04 |
| tblVehicleEF | LDA | 0.02 | 0.03 |
| tblVehicleEF | LDA | 5.0740e-003 | 2.6450e-003 |
| tblVehicleEF | LDA | 0.02 | 0.14 |
| tblVehicleEF | LDA | 5.8750e-003 | 0.05 |
| tblVehicleEF | LDA | 1.1890e-003 | 5.7000e-004 |
| tblVehicleEF | LDA | 4.7500e-004 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | LDA | 0.23 | 0.34 |
| tblVehicleEF | LDA | 0.29 | 1.24 |
| tblVehicleEF | LDA | 158.60 | 178.76 |
| tblVehicleEF | LDA | 34.63 | 35.71 |
| tblVehicleEF | LDA | 0.02 | 0.02 |
| tblVehicleEF | LDA | 0.01 | 0.11 |
| tblVehicleEF | LDA | 5.5000e-004 | 4.7100e-004 |
| tblVehicleEF | LDA | 7.9200e-004 | 6.0900e-004 |
| tblVehicleEF | LDA | 5.0600e-004 | 4.3300e-004 |
| tblVehicleEF | LDA | 7.2800e-004 | 5.6000e-004 |
| tblVehicleEF | LDA | 0.01 | 0.02 |
| tblVehicleEF | LDA | 0.03 | 0.03 |
| tblVehicleEF | LDA | 8.5160e-003 | 0.01 |
| tblVehicleEF | LDA | 2.9850e-003 | 1.5670e-003 |
| tblVehicleEF | LDA | 0.03 | 0.16 |
| tblVehicleEF | LDA | 6.4050e-003 | 0.06 |
| tblVehicleEF | LDA | 1.5860e-003 | 1.7680e-003 |
| tblVehicleEF | LDA | 3.5000e-004 | 3.5300e-004 |
| tblVehicleEF | LDA | 0.01 | 0.02 |
| tblVehicleEF | LDA | 0.03 | 0.03 |
| tblVehicleEF | LDA | 8.5160e-003 | 0.01 |
| tblVehicleEF | LDA | 4.3410e-003 | 2.2700e-003 |
| tblVehicleEF | LDA | 0.03 | 0.16 |
| tblVehicleEF | LDA | 7.0130e-003 | 0.06 |
| tblVehicleEF | LDT1 | 1.6300e-003 | 6.2400e-004 |
| tblVehicleEF | LDT1 | 6.5800e-004 | 0.02 |
| tblVehicleEF | LDT1 | 0.31 | 0.38 |
| tblVehicleEF | LDT1 | 0.38 | 1.33 |
| tblVehicleEF | LDT1 | 204.30 | 214.32 |
| tblVehicleEF | LDT1 | 44.26 | 42.86 |

| | | | |
|---|---|---|---|
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 0.01 | 0.12 |
| tblVehicleEF | LDT1 | 6.7600e-004 | 5.0100e-004 |
| tblVehicleEF | LDT1 | 9.9100e-004 | 6.6900e-004 |
| tblVehicleEF | LDT1 | 6.2200e-004 | 4.6000e-004 |
| tblVehicleEF | LDT1 | 9.1100e-004 | 6.1500e-004 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 0.04 | 0.04 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 4.0420e-003 | 1.7040e-003 |
| tblVehicleEF | LDT1 | 0.03 | 0.17 |
| tblVehicleEF | LDT1 | 8.8770e-003 | 0.06 |
| tblVehicleEF | LDT1 | 2.0440e-003 | 2.1210e-003 |
| tblVehicleEF | LDT1 | 4.4800e-004 | 4.2400e-004 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 0.04 | 0.04 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 5.8960e-003 | 2.4850e-003 |
| tblVehicleEF | LDT1 | 0.03 | 0.17 |
| tblVehicleEF | LDT1 | 9.7190e-003 | 0.07 |
| tblVehicleEF | LDT1 | 1.8530e-003 | 7.1900e-004 |
| tblVehicleEF | LDT1 | 5.5000e-004 | 0.02 |
| tblVehicleEF | LDT1 | 0.38 | 0.46 |
| tblVehicleEF | LDT1 | 0.31 | 1.12 |
| tblVehicleEF | LDT1 | 223.10 | 231.16 |
| tblVehicleEF | LDT1 | 44.26 | 42.50 |
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 0.01 | 0.11 |
| tblVehicleEF | LDT1 | 6.7600e-004 | 5.0100e-004 |
| tblVehicleEF | LDT1 | 9.9100e-004 | 6.6900e-004 |

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|---|---|---|---|
| tblVehicleEF | LDT1 | 6.2200e-004 | 4.6000e-004 |
| tblVehicleEF | LDT1 | 9.1100e-004 | 6.1500e-004 |
| tblVehicleEF | LDT1 | 0.04 | 0.06 |
| tblVehicleEF | LDT1 | 0.05 | 0.05 |
| tblVehicleEF | LDT1 | 0.04 | 0.05 |
| tblVehicleEF | LDT1 | 4.5930e-003 | 1.9360e-003 |
| tblVehicleEF | LDT1 | 0.03 | 0.17 |
| tblVehicleEF | LDT1 | 7.4160e-003 | 0.05 |
| tblVehicleEF | LDT1 | 2.2330e-003 | 2.2880e-003 |
| tblVehicleEF | LDT1 | 4.4700e-004 | 4.2100e-004 |
| tblVehicleEF | LDT1 | 0.04 | 0.06 |
| tblVehicleEF | LDT1 | 0.05 | 0.05 |
| tblVehicleEF | LDT1 | 0.04 | 0.05 |
| tblVehicleEF | LDT1 | 6.7000e-003 | 2.8240e-003 |
| tblVehicleEF | LDT1 | 0.03 | 0.17 |
| tblVehicleEF | LDT1 | 8.1200e-003 | 0.06 |
| tblVehicleEF | LDT1 | 1.5890e-003 | 6.0900e-004 |
| tblVehicleEF | LDT1 | 6.5600e-004 | 0.02 |
| tblVehicleEF | LDT1 | 0.29 | 0.36 |
| tblVehicleEF | LDT1 | 0.37 | 1.31 |
| tblVehicleEF | LDT1 | 199.87 | 210.33 |
| tblVehicleEF | LDT1 | 44.26 | 42.82 |
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 0.01 | 0.12 |
| tblVehicleEF | LDT1 | 6.7600e-004 | 5.0100e-004 |
| tblVehicleEF | LDT1 | 9.9100e-004 | 6.6900e-004 |
| tblVehicleEF | LDT1 | 6.2200e-004 | 4.6000e-004 |
| tblVehicleEF | LDT1 | 9.1100e-004 | 6.1500e-004 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 0.04 | 0.05 |

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|---|---|---|---|
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 3.9390e-003 | 1.6600e-003 |
| tblVehicleEF | LDT1 | 0.04 | 0.20 |
| tblVehicleEF | LDT1 | 8.8500e-003 | 0.06 |
| tblVehicleEF | LDT1 | 2.0000e-003 | 2.0810e-003 |
| tblVehicleEF | LDT1 | 4.4800e-004 | 4.2400e-004 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 0.04 | 0.05 |
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 5.7450e-003 | 2.4220e-003 |
| tblVehicleEF | LDT1 | 0.04 | 0.20 |
| tblVehicleEF | LDT1 | 9.6900e-003 | 0.07 |
| tblVehicleEF | LDT2 | 1.8520e-003 | 8.0800e-004 |
| tblVehicleEF | LDT2 | 9.4600e-004 | 0.02 |
| tblVehicleEF | LDT2 | 0.38 | 0.43 |
| tblVehicleEF | LDT2 | 0.46 | 1.70 |
| tblVehicleEF | LDT2 | 237.56 | 213.49 |
| tblVehicleEF | LDT2 | 51.25 | 42.77 |
| tblVehicleEF | LDT2 | 0.03 | 0.02 |
| tblVehicleEF | LDT2 | 0.02 | 0.11 |
| tblVehicleEF | LDT2 | 6.6300e-004 | 5.2800e-004 |
| tblVehicleEF | LDT2 | 9.5100e-004 | 6.3500e-004 |
| tblVehicleEF | LDT2 | 6.1000e-004 | 4.8700e-004 |
| tblVehicleEF | LDT2 | 8.7400e-004 | 5.8400e-004 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 0.04 | 0.04 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 4.6110e-003 | 2.4080e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.16 |
| tblVehicleEF | LDT2 | 0.01 | 0.08 |

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|---|---|---|---|
| tblVehicleEF | LDT2 | 2.3770e-003 | 2.1120e-003 |
| tblVehicleEF | LDT2 | 5.1900e-004 | 4.2300e-004 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 0.04 | 0.04 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 6.7180e-003 | 3.4670e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.16 |
| tblVehicleEF | LDT2 | 0.01 | 0.09 |
| tblVehicleEF | LDT2 | 2.1050e-003 | 9.3000e-004 |
| tblVehicleEF | LDT2 | 8.5200e-004 | 0.02 |
| tblVehicleEF | LDT2 | 0.46 | 0.53 |
| tblVehicleEF | LDT2 | 0.42 | 1.43 |
| tblVehicleEF | LDT2 | 259.40 | 228.68 |
| tblVehicleEF | LDT2 | 51.25 | 42.29 |
| tblVehicleEF | LDT2 | 0.02 | 0.02 |
| tblVehicleEF | LDT2 | 0.02 | 0.10 |
| tblVehicleEF | LDT2 | 6.6300e-004 | 5.2800e-004 |
| tblVehicleEF | LDT2 | 9.5100e-004 | 6.3500e-004 |
| tblVehicleEF | LDT2 | 6.1000e-004 | 4.8700e-004 |
| tblVehicleEF | LDT2 | 8.7400e-004 | 5.8400e-004 |
| tblVehicleEF | LDT2 | 0.04 | 0.07 |
| tblVehicleEF | LDT2 | 0.04 | 0.05 |
| tblVehicleEF | LDT2 | 0.04 | 0.06 |
| tblVehicleEF | LDT2 | 5.2360e-003 | 2.7170e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.16 |
| tblVehicleEF | LDT2 | 0.01 | 0.07 |
| tblVehicleEF | LDT2 | 2.5970e-003 | 2.2620e-003 |
| tblVehicleEF | LDT2 | 5.1800e-004 | 4.1800e-004 |
| tblVehicleEF | LDT2 | 0.04 | 0.07 |
| tblVehicleEF | LDT2 | 0.04 | 0.05 |

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|---|---|---|---|
| tblVehicleEF | LDT2 | 0.04 | 0.06 |
| tblVehicleEF | LDT2 | 7.6310e-003 | 3.9180e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.16 |
| tblVehicleEF | LDT2 | 0.01 | 0.08 |
| tblVehicleEF | LDT2 | 1.8040e-003 | 7.8800e-004 |
| tblVehicleEF | LDT2 | 9.4400e-004 | 0.02 |
| tblVehicleEF | LDT2 | 0.36 | 0.41 |
| tblVehicleEF | LDT2 | 0.46 | 1.68 |
| tblVehicleEF | LDT2 | 232.43 | 209.90 |
| tblVehicleEF | LDT2 | 51.25 | 42.73 |
| tblVehicleEF | LDT2 | 0.02 | 0.02 |
| tblVehicleEF | LDT2 | 0.02 | 0.11 |
| tblVehicleEF | LDT2 | 6.6300e-004 | 5.2800e-004 |
| tblVehicleEF | LDT2 | 9.5100e-004 | 6.3500e-004 |
| tblVehicleEF | LDT2 | 6.1000e-004 | 4.8700e-004 |
| tblVehicleEF | LDT2 | 8.7400e-004 | 5.8400e-004 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 0.04 | 0.04 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 4.4930e-003 | 2.3500e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.19 |
| tblVehicleEF | LDT2 | 0.01 | 0.08 |
| tblVehicleEF | LDT2 | 2.3260e-003 | 2.0760e-003 |
| tblVehicleEF | LDT2 | 5.1900e-004 | 4.2300e-004 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 0.04 | 0.04 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 6.5470e-003 | 3.3820e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.19 |
| tblVehicleEF | LDT2 | 0.01 | 0.09 |

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|---|---|---|---|
| tblVehicleEF | LHD1 | 2.3700e-003 | 3.1740e-003 |
| tblVehicleEF | LHD1 | 1.4740e-003 | 1.2820e-003 |
| tblVehicleEF | LHD1 | 2.4440e-003 | 4.6000e-003 |
| tblVehicleEF | LHD1 | 0.12 | 0.17 |
| tblVehicleEF | LHD1 | 0.15 | 0.13 |
| tblVehicleEF | LHD1 | 0.92 | 0.71 |
| tblVehicleEF | LHD1 | 8.77 | 7.34 |
| tblVehicleEF | LHD1 | 529.63 | 507.43 |
| tblVehicleEF | LHD1 | 20.81 | 8.07 |
| tblVehicleEF | LHD1 | 0.04 | 0.03 |
| tblVehicleEF | LHD1 | 0.06 | 0.08 |
| tblVehicleEF | LHD1 | 0.23 | 0.17 |
| tblVehicleEF | LHD1 | 5.9400e-004 | 1.0370e-003 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 3.7090e-003 | 3.0240e-003 |
| tblVehicleEF | LHD1 | 4.3300e-004 | 1.7200e-004 |
| tblVehicleEF | LHD1 | 5.6800e-004 | 9.9200e-004 |
| tblVehicleEF | LHD1 | 2.6620e-003 | 2.5100e-003 |
| tblVehicleEF | LHD1 | 3.5340e-003 | 2.8720e-003 |
| tblVehicleEF | LHD1 | 3.9800e-004 | 1.5800e-004 |
| tblVehicleEF | LHD1 | 8.8800e-004 | 1.1440e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 5.6300e-004 | 7.2100e-004 |
| tblVehicleEF | LHD1 | 0.02 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.14 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 8.6000e-005 | 7.1000e-005 |
| tblVehicleEF | LHD1 | 5.1590e-003 | 4.9370e-003 |
| tblVehicleEF | LHD1 | 2.2300e-004 | 8.0000e-005 |

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|---|---|---|---|
| tblVehicleEF | LHD1 | 8.8800e-004 | 1.1440e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.02 |
| tblVehicleEF | LHD1 | 5.6300e-004 | 7.2100e-004 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.14 |
| tblVehicleEF | LHD1 | 0.04 | 0.02 |
| tblVehicleEF | LHD1 | 2.3700e-003 | 3.1830e-003 |
| tblVehicleEF | LHD1 | 1.4850e-003 | 1.2960e-003 |
| tblVehicleEF | LHD1 | 2.3260e-003 | 4.3920e-003 |
| tblVehicleEF | LHD1 | 0.12 | 0.17 |
| tblVehicleEF | LHD1 | 0.15 | 0.13 |
| tblVehicleEF | LHD1 | 0.87 | 0.67 |
| tblVehicleEF | LHD1 | 8.77 | 7.34 |
| tblVehicleEF | LHD1 | 529.63 | 507.43 |
| tblVehicleEF | LHD1 | 20.81 | 8.00 |
| tblVehicleEF | LHD1 | 0.04 | 0.03 |
| tblVehicleEF | LHD1 | 0.05 | 0.08 |
| tblVehicleEF | LHD1 | 0.22 | 0.16 |
| tblVehicleEF | LHD1 | 5.9400e-004 | 1.0370e-003 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 3.7090e-003 | 3.0240e-003 |
| tblVehicleEF | LHD1 | 4.3300e-004 | 1.7200e-004 |
| tblVehicleEF | LHD1 | 5.6800e-004 | 9.9200e-004 |
| tblVehicleEF | LHD1 | 2.6620e-003 | 2.5100e-003 |
| tblVehicleEF | LHD1 | 3.5340e-003 | 2.8720e-003 |
| tblVehicleEF | LHD1 | 3.9800e-004 | 1.5800e-004 |
| tblVehicleEF | LHD1 | 1.6870e-003 | 2.1770e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |

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|---|---|---|---|
| tblVehicleEF | LHD1 | 1.1580e-003 | 1.4920e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.14 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 8.6000e-005 | 7.1000e-005 |
| tblVehicleEF | LHD1 | 5.1590e-003 | 4.9370e-003 |
| tblVehicleEF | LHD1 | 2.2200e-004 | 7.9000e-005 |
| tblVehicleEF | LHD1 | 1.6870e-003 | 2.1770e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.02 |
| tblVehicleEF | LHD1 | 1.1580e-003 | 1.4920e-003 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.14 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 2.3700e-003 | 3.1760e-003 |
| tblVehicleEF | LHD1 | 1.4760e-003 | 1.2840e-003 |
| tblVehicleEF | LHD1 | 2.4240e-003 | 4.5650e-003 |
| tblVehicleEF | LHD1 | 0.12 | 0.17 |
| tblVehicleEF | LHD1 | 0.15 | 0.13 |
| tblVehicleEF | LHD1 | 0.91 | 0.71 |
| tblVehicleEF | LHD1 | 8.77 | 7.34 |
| tblVehicleEF | LHD1 | 529.63 | 507.43 |
| tblVehicleEF | LHD1 | 20.81 | 8.05 |
| tblVehicleEF | LHD1 | 0.04 | 0.03 |
| tblVehicleEF | LHD1 | 0.06 | 0.08 |
| tblVehicleEF | LHD1 | 0.23 | 0.16 |
| tblVehicleEF | LHD1 | 5.9400e-004 | 1.0370e-003 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 3.7090e-003 | 3.0240e-003 |
| tblVehicleEF | LHD1 | 4.3300e-004 | 1.7200e-004 |

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|---|---|---|---|
| tblVehicleEF | LHD1 | 5.6800e-004 | 9.9200e-004 |
| tblVehicleEF | LHD1 | 2.6620e-003 | 2.5100e-003 |
| tblVehicleEF | LHD1 | 3.5340e-003 | 2.8720e-003 |
| tblVehicleEF | LHD1 | 3.9800e-004 | 1.5800e-004 |
| tblVehicleEF | LHD1 | 8.1600e-004 | 1.0590e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 5.4400e-004 | 6.9800e-004 |
| tblVehicleEF | LHD1 | 0.02 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.15 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 8.6000e-005 | 7.1000e-005 |
| tblVehicleEF | LHD1 | 5.1590e-003 | 4.9370e-003 |
| tblVehicleEF | LHD1 | 2.2300e-004 | 8.0000e-005 |
| tblVehicleEF | LHD1 | 8.1600e-004 | 1.0590e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.02 |
| tblVehicleEF | LHD1 | 5.4400e-004 | 6.9800e-004 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.15 |
| tblVehicleEF | LHD1 | 0.04 | 0.02 |
| tblVehicleEF | LHD2 | 2.0550e-003 | 1.9790e-003 |
| tblVehicleEF | LHD2 | 1.8190e-003 | 2.5960e-003 |
| tblVehicleEF | LHD2 | 0.12 | 0.13 |
| tblVehicleEF | LHD2 | 0.14 | 0.15 |
| tblVehicleEF | LHD2 | 0.80 | 0.41 |
| tblVehicleEF | LHD2 | 13.27 | 11.72 |
| tblVehicleEF | LHD2 | 561.63 | 502.29 |
| tblVehicleEF | LHD2 | 20.88 | 5.25 |
| tblVehicleEF | LHD2 | 0.04 | 0.05 |

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|---|---|---|---|
| tblVehicleEF | LHD2 | 0.04 | 0.11 |
| tblVehicleEF | LHD2 | 0.17 | 0.09 |
| tblVehicleEF | LHD2 | 8.2400e-004 | 1.5310e-003 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 4.5960e-003 | 8.9230e-003 |
| tblVehicleEF | LHD2 | 3.8600e-004 | 9.9000e-005 |
| tblVehicleEF | LHD2 | 7.8800e-004 | 1.4650e-003 |
| tblVehicleEF | LHD2 | 2.7120e-003 | 2.7250e-003 |
| tblVehicleEF | LHD2 | 4.3850e-003 | 8.5250e-003 |
| tblVehicleEF | LHD2 | 3.5500e-004 | 9.1000e-005 |
| tblVehicleEF | LHD2 | 5.9400e-004 | 6.6600e-004 |
| tblVehicleEF | LHD2 | 0.01 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 3.6900e-004 | 4.2000e-004 |
| tblVehicleEF | LHD2 | 0.02 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.08 |
| tblVehicleEF | LHD2 | 0.02 | 0.01 |
| tblVehicleEF | LHD2 | 1.2900e-004 | 1.1200e-004 |
| tblVehicleEF | LHD2 | 5.4560e-003 | 4.8380e-003 |
| tblVehicleEF | LHD2 | 2.2200e-004 | 5.2000e-005 |
| tblVehicleEF | LHD2 | 5.9400e-004 | 6.6600e-004 |
| tblVehicleEF | LHD2 | 0.01 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 3.6900e-004 | 4.2000e-004 |
| tblVehicleEF | LHD2 | 0.03 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.08 |
| tblVehicleEF | LHD2 | 0.03 | 0.01 |
| tblVehicleEF | LHD2 | 2.0550e-003 | 1.9840e-003 |
| tblVehicleEF | LHD2 | 1.4530e-003 | 1.4520e-003 |
| tblVehicleEF | LHD2 | 1.8170e-003 | 2.4780e-003 |

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|---|---|---|---|
| tblVehicleEF | LHD2 | 0.12 | 0.13 |
| tblVehicleEF | LHD2 | 0.14 | 0.15 |
| tblVehicleEF | LHD2 | 0.76 | 0.38 |
| tblVehicleEF | LHD2 | 13.27 | 11.72 |
| tblVehicleEF | LHD2 | 561.63 | 502.29 |
| tblVehicleEF | LHD2 | 20.88 | 5.21 |
| tblVehicleEF | LHD2 | 0.04 | 0.05 |
| tblVehicleEF | LHD2 | 0.03 | 0.10 |
| tblVehicleEF | LHD2 | 0.17 | 0.09 |
| tblVehicleEF | LHD2 | 8.2400e-004 | 1.5310e-003 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 4.5960e-003 | 8.9230e-003 |
| tblVehicleEF | LHD2 | 3.8600e-004 | 9.9000e-005 |
| tblVehicleEF | LHD2 | 7.8800e-004 | 1.4650e-003 |
| tblVehicleEF | LHD2 | 2.7120e-003 | 2.7250e-003 |
| tblVehicleEF | LHD2 | 4.3850e-003 | 8.5250e-003 |
| tblVehicleEF | LHD2 | 3.5500e-004 | 9.1000e-005 |
| tblVehicleEF | LHD2 | 1.1370e-003 | 1.2660e-003 |
| tblVehicleEF | LHD2 | 0.02 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 7.7700e-004 | 8.6800e-004 |
| tblVehicleEF | LHD2 | 0.02 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.08 |
| tblVehicleEF | LHD2 | 0.02 | 9.9950e-003 |
| tblVehicleEF | LHD2 | 1.2900e-004 | 1.1200e-004 |
| tblVehicleEF | LHD2 | 5.4560e-003 | 4.8380e-003 |
| tblVehicleEF | LHD2 | 2.2100e-004 | 5.2000e-005 |
| tblVehicleEF | LHD2 | 1.1370e-003 | 1.2660e-003 |
| tblVehicleEF | LHD2 | 0.02 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |

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|---|---|---|---|
| tblVehicleEF | LHD2 | 7.7700e-004 | 8.6800e-004 |
| tblVehicleEF | LHD2 | 0.03 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.08 |
| tblVehicleEF | LHD2 | 0.03 | 0.01 |
| tblVehicleEF | LHD2 | 2.0550e-003 | 1.9800e-003 |
| tblVehicleEF | LHD2 | 1.8190e-003 | 2.5760e-003 |
| tblVehicleEF | LHD2 | 0.12 | 0.13 |
| tblVehicleEF | LHD2 | 0.14 | 0.15 |
| tblVehicleEF | LHD2 | 0.79 | 0.40 |
| tblVehicleEF | LHD2 | 13.27 | 11.72 |
| tblVehicleEF | LHD2 | 561.63 | 502.29 |
| tblVehicleEF | LHD2 | 20.88 | 5.24 |
| tblVehicleEF | LHD2 | 0.04 | 0.05 |
| tblVehicleEF | LHD2 | 0.04 | 0.11 |
| tblVehicleEF | LHD2 | 0.17 | 0.09 |
| tblVehicleEF | LHD2 | 8.2400e-004 | 1.5310e-003 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 4.5960e-003 | 8.9230e-003 |
| tblVehicleEF | LHD2 | 3.8600e-004 | 9.9000e-005 |
| tblVehicleEF | LHD2 | 7.8800e-004 | 1.4650e-003 |
| tblVehicleEF | LHD2 | 2.7120e-003 | 2.7250e-003 |
| tblVehicleEF | LHD2 | 4.3850e-003 | 8.5250e-003 |
| tblVehicleEF | LHD2 | 3.5500e-004 | 9.1000e-005 |
| tblVehicleEF | LHD2 | 5.6000e-004 | 6.1500e-004 |
| tblVehicleEF | LHD2 | 0.01 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 3.5700e-004 | 4.0700e-004 |
| tblVehicleEF | LHD2 | 0.02 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.09 |
| tblVehicleEF | LHD2 | 0.02 | 0.01 |

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|---|---|---|---|
| tblVehicleEF | LHD2 | 1.2900e-004 | 1.1200e-004 |
| tblVehicleEF | LHD2 | 5.4560e-003 | 4.8380e-003 |
| tblVehicleEF | LHD2 | 2.2200e-004 | 5.2000e-005 |
| tblVehicleEF | LHD2 | 5.6000e-004 | 6.1500e-004 |
| tblVehicleEF | LHD2 | 0.01 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 3.5700e-004 | 4.0700e-004 |
| tblVehicleEF | LHD2 | 0.03 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.09 |
| tblVehicleEF | LHD2 | 0.03 | 0.01 |
| tblVehicleEF | MCY | 0.45 | 0.31 |
| tblVehicleEF | MCY | 0.15 | 0.23 |
| tblVehicleEF | MCY | 17.23 | 17.23 |
| tblVehicleEF | MCY | 10.21 | 9.09 |
| tblVehicleEF | MCY | 172.59 | 209.98 |
| tblVehicleEF | MCY | 40.72 | 56.78 |
| tblVehicleEF | MCY | 1.13 | 1.13 |
| tblVehicleEF | MCY | 0.31 | 0.27 |
| tblVehicleEF | MCY | 2.2430e-003 | 2.2380e-003 |
| tblVehicleEF | MCY | 3.3690e-003 | 2.9880e-003 |
| tblVehicleEF | MCY | 2.0910e-003 | 2.0860e-003 |
| tblVehicleEF | MCY | 3.1400e-003 | 2.7850e-003 |
| tblVehicleEF | MCY | 1.42 | 1.42 |
| tblVehicleEF | MCY | 0.71 | 0.72 |
| tblVehicleEF | MCY | 0.74 | 0.74 |
| tblVehicleEF | MCY | 2.08 | 2.08 |
| tblVehicleEF | MCY | 0.34 | 1.23 |
| tblVehicleEF | MCY | 1.98 | 1.76 |
| tblVehicleEF | MCY | 2.0700e-003 | 2.0780e-003 |
| tblVehicleEF | MCY | 6.3200e-004 | 5.6200e-004 |

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|---|---|---|---|
| tblVehicleEF | MCY | 1.42 | 1.42 |
| tblVehicleEF | MCY | 0.71 | 0.72 |
| tblVehicleEF | MCY | 0.74 | 0.74 |
| tblVehicleEF | MCY | 2.61 | 2.61 |
| tblVehicleEF | MCY | 0.34 | 1.23 |
| tblVehicleEF | MCY | 2.16 | 1.92 |
| tblVehicleEF | MCY | 0.45 | 0.31 |
| tblVehicleEF | MCY | 0.13 | 0.21 |
| tblVehicleEF | MCY | 17.39 | 17.39 |
| tblVehicleEF | MCY | 9.03 | 8.01 |
| tblVehicleEF | MCY | 172.59 | 210.12 |
| tblVehicleEF | MCY | 40.72 | 54.30 |
| tblVehicleEF | MCY | 0.96 | 0.96 |
| tblVehicleEF | MCY | 0.29 | 0.25 |
| tblVehicleEF | MCY | 2.2430e-003 | 2.2380e-003 |
| tblVehicleEF | MCY | 3.3690e-003 | 2.9880e-003 |
| tblVehicleEF | MCY | 2.0910e-003 | 2.0860e-003 |
| tblVehicleEF | MCY | 3.1400e-003 | 2.7850e-003 |
| tblVehicleEF | MCY | 3.03 | 3.05 |
| tblVehicleEF | MCY | 1.12 | 1.14 |
| tblVehicleEF | MCY | 1.95 | 1.97 |
| tblVehicleEF | MCY | 2.05 | 2.05 |
| tblVehicleEF | MCY | 0.34 | 1.23 |
| tblVehicleEF | MCY | 1.74 | 1.54 |
| tblVehicleEF | MCY | 2.0710e-003 | 2.0790e-003 |
| tblVehicleEF | MCY | 6.0500e-004 | 5.3700e-004 |
| tblVehicleEF | MCY | 3.03 | 3.05 |
| tblVehicleEF | MCY | 1.12 | 1.14 |
| tblVehicleEF | MCY | 1.95 | 1.97 |
| tblVehicleEF | MCY | 2.58 | 2.57 |

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|---|---|---|---|
| tblVehicleEF | MCY | 0.34 | 1.23 |
| tblVehicleEF | MCY | 1.89 | 1.68 |
| tblVehicleEF | MCY | 0.45 | 0.31 |
| tblVehicleEF | MCY | 0.14 | 0.23 |
| tblVehicleEF | MCY | 16.57 | 16.57 |
| tblVehicleEF | MCY | 9.90 | 8.79 |
| tblVehicleEF | MCY | 172.59 | 208.84 |
| tblVehicleEF | MCY | 40.72 | 56.14 |
| tblVehicleEF | MCY | 1.09 | 1.09 |
| tblVehicleEF | MCY | 0.31 | 0.26 |
| tblVehicleEF | MCY | 2.2430e-003 | 2.2380e-003 |
| tblVehicleEF | MCY | 3.3690e-003 | 2.9880e-003 |
| tblVehicleEF | MCY | 2.0910e-003 | 2.0860e-003 |
| tblVehicleEF | MCY | 3.1400e-003 | 2.7850e-003 |
| tblVehicleEF | MCY | 1.64 | 1.65 |
| tblVehicleEF | MCY | 0.93 | 0.94 |
| tblVehicleEF | MCY | 0.65 | 0.66 |
| tblVehicleEF | MCY | 2.06 | 2.05 |
| tblVehicleEF | MCY | 0.40 | 1.45 |
| tblVehicleEF | MCY | 1.94 | 1.71 |
| tblVehicleEF | MCY | 2.0590e-003 | 2.0670e-003 |
| tblVehicleEF | MCY | 6.2600e-004 | 5.5600e-004 |
| tblVehicleEF | MCY | 1.64 | 1.65 |
| tblVehicleEF | MCY | 0.93 | 0.94 |
| tblVehicleEF | MCY | 0.65 | 0.66 |
| tblVehicleEF | MCY | 2.58 | 2.58 |
| tblVehicleEF | MCY | 0.40 | 1.45 |
| tblVehicleEF | MCY | 2.11 | 1.87 |
| tblVehicleEF | MDV | 2.0300e-003 | 8.0100e-004 |
| tblVehicleEF | MDV | 1.1120e-003 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | MDV | 0.41 | 0.42 |
| tblVehicleEF | MDV | 0.52 | 1.66 |
| tblVehicleEF | MDV | 308.49 | 257.45 |
| tblVehicleEF | MDV | 65.25 | 50.34 |
| tblVehicleEF | MDV | 0.03 | 0.02 |
| tblVehicleEF | MDV | 0.02 | 0.12 |
| tblVehicleEF | MDV | 6.8600e-004 | 5.0200e-004 |
| tblVehicleEF | MDV | 9.7200e-004 | 6.1900e-004 |
| tblVehicleEF | MDV | 6.3200e-004 | 4.6300e-004 |
| tblVehicleEF | MDV | 8.9400e-004 | 5.6900e-004 |
| tblVehicleEF | MDV | 0.05 | 0.06 |
| tblVehicleEF | MDV | 0.07 | 0.06 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 5.1430e-003 | 2.4100e-003 |
| tblVehicleEF | MDV | 0.04 | 0.16 |
| tblVehicleEF | MDV | 0.02 | 0.08 |
| tblVehicleEF | MDV | 3.0820e-003 | 2.5440e-003 |
| tblVehicleEF | MDV | 6.6000e-004 | 4.9800e-004 |
| tblVehicleEF | MDV | 0.05 | 0.06 |
| tblVehicleEF | MDV | 0.07 | 0.06 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 7.4620e-003 | 3.4640e-003 |
| tblVehicleEF | MDV | 0.04 | 0.16 |
| tblVehicleEF | MDV | 0.02 | 0.09 |
| tblVehicleEF | MDV | 2.3040e-003 | 9.2200e-004 |
| tblVehicleEF | MDV | 9.9100e-004 | 0.02 |
| tblVehicleEF | MDV | 0.50 | 0.52 |
| tblVehicleEF | MDV | 0.47 | 1.39 |
| tblVehicleEF | MDV | 335.87 | 272.21 |
| tblVehicleEF | MDV | 65.25 | 49.87 |

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|---|---|---|---|
| tblVehicleEF | MDV | 0.02 | 0.02 |
| tblVehicleEF | MDV | 0.02 | 0.11 |
| tblVehicleEF | MDV | 6.8600e-004 | 5.0200e-004 |
| tblVehicleEF | MDV | 9.7200e-004 | 6.1900e-004 |
| tblVehicleEF | MDV | 6.3200e-004 | 4.6300e-004 |
| tblVehicleEF | MDV | 8.9400e-004 | 5.6900e-004 |
| tblVehicleEF | MDV | 0.10 | 0.11 |
| tblVehicleEF | MDV | 0.08 | 0.07 |
| tblVehicleEF | MDV | 0.09 | 0.11 |
| tblVehicleEF | MDV | 5.8210e-003 | 2.7160e-003 |
| tblVehicleEF | MDV | 0.04 | 0.16 |
| tblVehicleEF | MDV | 0.01 | 0.07 |
| tblVehicleEF | MDV | 3.3570e-003 | 2.6900e-003 |
| tblVehicleEF | MDV | 6.5900e-004 | 4.9300e-004 |
| tblVehicleEF | MDV | 0.10 | 0.11 |
| tblVehicleEF | MDV | 0.08 | 0.07 |
| tblVehicleEF | MDV | 0.09 | 0.11 |
| tblVehicleEF | MDV | 8.4510e-003 | 3.9120e-003 |
| tblVehicleEF | MDV | 0.04 | 0.16 |
| tblVehicleEF | MDV | 0.01 | 0.07 |
| tblVehicleEF | MDV | 1.9790e-003 | 7.8200e-004 |
| tblVehicleEF | MDV | 1.1100e-003 | 0.02 |
| tblVehicleEF | MDV | 0.39 | 0.40 |
| tblVehicleEF | MDV | 0.52 | 1.63 |
| tblVehicleEF | MDV | 302.11 | 253.97 |
| tblVehicleEF | MDV | 65.25 | 50.29 |
| tblVehicleEF | MDV | 0.03 | 0.02 |
| tblVehicleEF | MDV | 0.02 | 0.11 |
| tblVehicleEF | MDV | 6.8600e-004 | 5.0200e-004 |
| tblVehicleEF | MDV | 9.7200e-004 | 6.1900e-004 |

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|---|---|---|---|
| tblVehicleEF | MDV | 6.3200e-004 | 4.6300e-004 |
| tblVehicleEF | MDV | 8.9400e-004 | 5.6900e-004 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 0.08 | 0.06 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 5.0170e-003 | 2.3530e-003 |
| tblVehicleEF | MDV | 0.04 | 0.19 |
| tblVehicleEF | MDV | 0.01 | 0.08 |
| tblVehicleEF | MDV | 3.0180e-003 | 2.5090e-003 |
| tblVehicleEF | MDV | 6.6000e-004 | 4.9800e-004 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 0.08 | 0.06 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 7.2770e-003 | 3.3810e-003 |
| tblVehicleEF | MDV | 0.04 | 0.19 |
| tblVehicleEF | MDV | 0.02 | 0.09 |
| tblVehicleEF | MH | 3.0780e-003 | 1.9990e-003 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 0.14 | 0.12 |
| tblVehicleEF | MH | 3.02 | 1.12 |
| tblVehicleEF | MH | 1,013.72 | 1,146.94 |
| tblVehicleEF | MH | 55.50 | 12.67 |
| tblVehicleEF | MH | 0.48 | 0.71 |
| tblVehicleEF | MH | 0.50 | 0.17 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 4.3110e-003 | 5.8600e-003 |
| tblVehicleEF | MH | 8.9400e-004 | 2.1300e-004 |
| tblVehicleEF | MH | 3.2190e-003 | 3.3080e-003 |
| tblVehicleEF | MH | 4.0920e-003 | 5.5770e-003 |
| tblVehicleEF | MH | 8.2200e-004 | 1.9600e-004 |

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|---|---|---|---|
| tblVehicleEF | MH | 0.37 | 0.31 |
| tblVehicleEF | MH | 0.02 | 0.01 |
| tblVehicleEF | MH | 0.18 | 0.15 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 2.7260e-003 | 0.17 |
| tblVehicleEF | MH | 0.18 | 0.06 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 6.0700e-004 | 1.2500e-004 |
| tblVehicleEF | MH | 0.37 | 0.31 |
| tblVehicleEF | MH | 0.02 | 0.01 |
| tblVehicleEF | MH | 0.18 | 0.15 |
| tblVehicleEF | MH | 0.02 | 0.02 |
| tblVehicleEF | MH | 2.7260e-003 | 0.17 |
| tblVehicleEF | MH | 0.20 | 0.07 |
| tblVehicleEF | MH | 3.1500e-003 | 2.0350e-003 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 0.14 | 0.13 |
| tblVehicleEF | MH | 2.77 | 1.03 |
| tblVehicleEF | MH | 1,013.72 | 1,146.94 |
| tblVehicleEF | MH | 55.50 | 12.51 |
| tblVehicleEF | MH | 0.44 | 0.65 |
| tblVehicleEF | MH | 0.48 | 0.17 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 4.3110e-003 | 5.8600e-003 |
| tblVehicleEF | MH | 8.9400e-004 | 2.1300e-004 |
| tblVehicleEF | MH | 3.2190e-003 | 3.3080e-003 |
| tblVehicleEF | MH | 4.0920e-003 | 5.5770e-003 |
| tblVehicleEF | MH | 8.2200e-004 | 1.9600e-004 |
| tblVehicleEF | MH | 0.70 | 0.59 |
| tblVehicleEF | MH | 0.02 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | MH | 0.37 | 0.31 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 2.7150e-003 | 0.17 |
| tblVehicleEF | MH | 0.17 | 0.06 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 6.0300e-004 | 1.2400e-004 |
| tblVehicleEF | MH | 0.70 | 0.59 |
| tblVehicleEF | MH | 0.02 | 0.02 |
| tblVehicleEF | MH | 0.37 | 0.31 |
| tblVehicleEF | MH | 0.02 | 0.02 |
| tblVehicleEF | MH | 2.7150e-003 | 0.17 |
| tblVehicleEF | MH | 0.19 | 0.06 |
| tblVehicleEF | MH | 3.0850e-003 | 2.0030e-003 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 0.14 | 0.12 |
| tblVehicleEF | MH | 3.00 | 1.12 |
| tblVehicleEF | MH | 1,013.72 | 1,146.94 |
| tblVehicleEF | MH | 55.50 | 12.66 |
| tblVehicleEF | MH | 0.47 | 0.69 |
| tblVehicleEF | MH | 0.50 | 0.17 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 4.3110e-003 | 5.8600e-003 |
| tblVehicleEF | MH | 8.9400e-004 | 2.1300e-004 |
| tblVehicleEF | MH | 3.2190e-003 | 3.3080e-003 |
| tblVehicleEF | MH | 4.0920e-003 | 5.5770e-003 |
| tblVehicleEF | MH | 8.2200e-004 | 1.9600e-004 |
| tblVehicleEF | MH | 0.35 | 0.29 |
| tblVehicleEF | MH | 0.02 | 0.01 |
| tblVehicleEF | MH | 0.17 | 0.14 |
| tblVehicleEF | MH | 0.01 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | MH | 2.9270e-003 | 0.18 |
| tblVehicleEF | MH | 0.18 | 0.06 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 6.0700e-004 | 1.2500e-004 |
| tblVehicleEF | MH | 0.35 | 0.29 |
| tblVehicleEF | MH | 0.02 | 0.01 |
| tblVehicleEF | MH | 0.17 | 0.14 |
| tblVehicleEF | MH | 0.02 | 0.02 |
| tblVehicleEF | MH | 2.9270e-003 | 0.18 |
| tblVehicleEF | MH | 0.20 | 0.07 |
| tblVehicleEF | MHD | 0.02 | 2.9730e-003 |
| tblVehicleEF | MHD | 1.5750e-003 | 4.9600e-004 |
| tblVehicleEF | MHD | 0.03 | 5.8120e-003 |
| tblVehicleEF | MHD | 0.29 | 0.32 |
| tblVehicleEF | MHD | 0.16 | 0.08 |
| tblVehicleEF | MHD | 2.26 | 0.44 |
| tblVehicleEF | MHD | 153.75 | 46.82 |
| tblVehicleEF | MHD | 1,078.59 | 773.61 |
| tblVehicleEF | MHD | 47.29 | 5.46 |
| tblVehicleEF | MHD | 0.40 | 0.25 |
| tblVehicleEF | MHD | 0.53 | 0.98 |
| tblVehicleEF | MHD | 11.96 | 1.84 |
| tblVehicleEF | MHD | 3.0000e-005 | 6.3000e-005 |
| tblVehicleEF | MHD | 2.6280e-003 | 7.4750e-003 |
| tblVehicleEF | MHD | 6.9500e-004 | 8.5000e-005 |
| tblVehicleEF | MHD | 2.9000e-005 | 6.0000e-005 |
| tblVehicleEF | MHD | 2.5110e-003 | 7.1470e-003 |
| tblVehicleEF | MHD | 6.3900e-004 | 7.8000e-005 |
| tblVehicleEF | MHD | 6.7900e-004 | 2.9800e-004 |
| tblVehicleEF | MHD | 0.02 | 9.7430e-003 |

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|---|---|---|---|
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 4.2500e-004 | 1.8700e-004 |
| tblVehicleEF | MHD | 0.03 | 7.2500e-003 |
| tblVehicleEF | MHD | 8.9470e-003 | 0.05 |
| tblVehicleEF | MHD | 0.15 | 0.03 |
| tblVehicleEF | MHD | 1.4770e-003 | 4.4400e-004 |
| tblVehicleEF | MHD | 0.01 | 7.3750e-003 |
| tblVehicleEF | MHD | 5.1300e-004 | 5.4000e-005 |
| tblVehicleEF | MHD | 6.7900e-004 | 2.9800e-004 |
| tblVehicleEF | MHD | 0.02 | 9.7430e-003 |
| tblVehicleEF | MHD | 0.03 | 0.02 |
| tblVehicleEF | MHD | 4.2500e-004 | 1.8700e-004 |
| tblVehicleEF | MHD | 0.03 | 8.4700e-003 |
| tblVehicleEF | MHD | 8.9470e-003 | 0.05 |
| tblVehicleEF | MHD | 0.17 | 0.03 |
| tblVehicleEF | MHD | 0.02 | 2.8360e-003 |
| tblVehicleEF | MHD | 1.5840e-003 | 5.0200e-004 |
| tblVehicleEF | MHD | 0.02 | 5.5560e-003 |
| tblVehicleEF | MHD | 0.21 | 0.28 |
| tblVehicleEF | MHD | 0.16 | 0.08 |
| tblVehicleEF | MHD | 2.11 | 0.41 |
| tblVehicleEF | MHD | 162.86 | 46.34 |
| tblVehicleEF | MHD | 1,078.59 | 773.61 |
| tblVehicleEF | MHD | 47.29 | 5.41 |
| tblVehicleEF | MHD | 0.41 | 0.24 |
| tblVehicleEF | MHD | 0.50 | 0.92 |
| tblVehicleEF | MHD | 11.95 | 1.84 |
| tblVehicleEF | MHD | 2.6000e-005 | 5.6000e-005 |
| tblVehicleEF | MHD | 2.6280e-003 | 7.4750e-003 |
| tblVehicleEF | MHD | 6.9500e-004 | 8.5000e-005 |

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|---|---|---|---|
| tblVehicleEF | MHD | 2.5000e-005 | 5.3000e-005 |
| tblVehicleEF | MHD | 2.5110e-003 | 7.1470e-003 |
| tblVehicleEF | MHD | 6.3900e-004 | 7.8000e-005 |
| tblVehicleEF | MHD | 1.2990e-003 | 5.6800e-004 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 8.9000e-004 | 3.8900e-004 |
| tblVehicleEF | MHD | 0.03 | 7.2680e-003 |
| tblVehicleEF | MHD | 8.9680e-003 | 0.05 |
| tblVehicleEF | MHD | 0.15 | 0.03 |
| tblVehicleEF | MHD | 1.5630e-003 | 4.4000e-004 |
| tblVehicleEF | MHD | 0.01 | 7.3750e-003 |
| tblVehicleEF | MHD | 5.1000e-004 | 5.4000e-005 |
| tblVehicleEF | MHD | 1.2990e-003 | 5.6800e-004 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 0.03 | 0.02 |
| tblVehicleEF | MHD | 8.9000e-004 | 3.8900e-004 |
| tblVehicleEF | MHD | 0.03 | 8.4970e-003 |
| tblVehicleEF | MHD | 8.9680e-003 | 0.05 |
| tblVehicleEF | MHD | 0.16 | 0.03 |
| tblVehicleEF | MHD | 0.02 | 3.1790e-003 |
| tblVehicleEF | MHD | 1.5760e-003 | 4.9600e-004 |
| tblVehicleEF | MHD | 0.03 | 5.7400e-003 |
| tblVehicleEF | MHD | 0.41 | 0.38 |
| tblVehicleEF | MHD | 0.16 | 0.08 |
| tblVehicleEF | MHD | 2.22 | 0.43 |
| tblVehicleEF | MHD | 141.16 | 47.47 |
| tblVehicleEF | MHD | 1,078.59 | 773.61 |
| tblVehicleEF | MHD | 47.29 | 5.45 |
| tblVehicleEF | MHD | 0.38 | 0.27 |

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|---|---|---|---|
| tblVehicleEF | MHD | 0.52 | 0.96 |
| tblVehicleEF | MHD | 11.96 | 1.84 |
| tblVehicleEF | MHD | 3.7000e-005 | 7.2000e-005 |
| tblVehicleEF | MHD | 2.6280e-003 | 7.4750e-003 |
| tblVehicleEF | MHD | 6.9500e-004 | 8.5000e-005 |
| tblVehicleEF | MHD | 3.5000e-005 | 6.9000e-005 |
| tblVehicleEF | MHD | 2.5110e-003 | 7.1470e-003 |
| tblVehicleEF | MHD | 6.3900e-004 | 7.8000e-005 |
| tblVehicleEF | MHD | 6.3300e-004 | 2.7700e-004 |
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| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 4.1100e-004 | 1.8000e-004 |
| tblVehicleEF | MHD | 0.03 | 7.2520e-003 |
| tblVehicleEF | MHD | 9.7910e-003 | 0.05 |
| tblVehicleEF | MHD | 0.15 | 0.03 |
| tblVehicleEF | MHD | 1.3580e-003 | 4.5000e-004 |
| tblVehicleEF | MHD | 0.01 | 7.3750e-003 |
| tblVehicleEF | MHD | 5.1200e-004 | 5.4000e-005 |
| tblVehicleEF | MHD | 6.3300e-004 | 2.7700e-004 |
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| tblVehicleEF | MHD | 0.03 | 0.02 |
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| tblVehicleEF | MHD | 0.17 | 0.03 |
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| tblVehicleEF | OBUS | 2.8630e-003 | 1.1380e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.24 | 0.55 |
| tblVehicleEF | OBUS | 0.18 | 0.13 |

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| tblVehicleEF | OBUS | 63.70 | 61.60 |
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| tblVehicleEF | OBUS | 0.13 | 0.28 |
| tblVehicleEF | OBUS | 0.31 | 0.92 |
| tblVehicleEF | OBUS | 1.58 | 0.83 |
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| tblVehicleEF | OBUS | 2.0010e-003 | 6.6340e-003 |
| tblVehicleEF | OBUS | 1.0960e-003 | 2.3300e-004 |
| tblVehicleEF | OBUS | 1.1000e-005 | 9.1000e-005 |
| tblVehicleEF | OBUS | 1.8890e-003 | 6.3250e-003 |
| tblVehicleEF | OBUS | 1.0080e-003 | 2.1400e-004 |
| tblVehicleEF | OBUS | 1.7850e-003 | 1.8400e-003 |
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| tblVehicleEF | OBUS | 0.03 | 0.05 |
| tblVehicleEF | OBUS | 8.4700e-004 | 8.8800e-004 |
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| tblVehicleEF | OBUS | 0.25 | 0.08 |
| tblVehicleEF | OBUS | 6.2000e-004 | 5.8700e-004 |
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| tblVehicleEF | OBUS | 7.4200e-004 | 1.4700e-004 |
| tblVehicleEF | OBUS | 1.7850e-003 | 1.8400e-003 |
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| tblVehicleEF | OBUS | 0.04 | 0.06 |
| tblVehicleEF | OBUS | 8.4700e-004 | 8.8800e-004 |
| tblVehicleEF | OBUS | 0.02 | 0.01 |
| tblVehicleEF | OBUS | 0.05 | 0.21 |
| tblVehicleEF | OBUS | 0.27 | 0.09 |

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| tblVehicleEF | OBUS | 0.24 | 0.54 |
| tblVehicleEF | OBUS | 0.18 | 0.13 |
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| tblVehicleEF | OBUS | 67.73 | 14.69 |
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| tblVehicleEF | OBUS | 0.29 | 0.85 |
| tblVehicleEF | OBUS | 1.55 | 0.82 |
| tblVehicleEF | OBUS | 1.0000e-005 | 8.5000e-005 |
| tblVehicleEF | OBUS | 2.0010e-003 | 6.6340e-003 |
| tblVehicleEF | OBUS | 1.0960e-003 | 2.3300e-004 |
| tblVehicleEF | OBUS | 9.0000e-006 | 8.1000e-005 |
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| tblVehicleEF | OBUS | 1.0080e-003 | 2.1400e-004 |
| tblVehicleEF | OBUS | 3.4090e-003 | 3.4870e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.03 | 0.05 |
| tblVehicleEF | OBUS | 1.8280e-003 | 1.8700e-003 |
| tblVehicleEF | OBUS | 0.02 | 8.3270e-003 |
| tblVehicleEF | OBUS | 0.05 | 0.21 |
| tblVehicleEF | OBUS | 0.23 | 0.08 |
| tblVehicleEF | OBUS | 6.4700e-004 | 5.8100e-004 |
| tblVehicleEF | OBUS | 0.01 | 0.01 |
| tblVehicleEF | OBUS | 7.3700e-004 | 1.4500e-004 |
| tblVehicleEF | OBUS | 3.4090e-003 | 3.4870e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |

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|---|---|---|---|
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| tblVehicleEF | OBUS | 1.8280e-003 | 1.8700e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.01 |
| tblVehicleEF | OBUS | 0.05 | 0.21 |
| tblVehicleEF | OBUS | 0.26 | 0.08 |
| tblVehicleEF | OBUS | 0.01 | 8.9730e-003 |
| tblVehicleEF | OBUS | 2.8700e-003 | 1.1410e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.25 | 0.55 |
| tblVehicleEF | OBUS | 0.18 | 0.13 |
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| tblVehicleEF | OBUS | 59.84 | 62.53 |
| tblVehicleEF | OBUS | 1,099.49 | 1,126.05 |
| tblVehicleEF | OBUS | 67.73 | 14.86 |
| tblVehicleEF | OBUS | 0.12 | 0.30 |
| tblVehicleEF | OBUS | 0.30 | 0.90 |
| tblVehicleEF | OBUS | 1.57 | 0.83 |
| tblVehicleEF | OBUS | 1.4000e-005 | 1.1000e-004 |
| tblVehicleEF | OBUS | 2.0010e-003 | 6.6340e-003 |
| tblVehicleEF | OBUS | 1.0960e-003 | 2.3300e-004 |
| tblVehicleEF | OBUS | 1.3000e-005 | 1.0500e-004 |
| tblVehicleEF | OBUS | 1.8890e-003 | 6.3250e-003 |
| tblVehicleEF | OBUS | 1.0080e-003 | 2.1400e-004 |
| tblVehicleEF | OBUS | 1.7080e-003 | 1.7150e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.03 | 0.05 |
| tblVehicleEF | OBUS | 8.2900e-004 | 8.6700e-004 |
| tblVehicleEF | OBUS | 0.02 | 8.2510e-003 |
| tblVehicleEF | OBUS | 0.05 | 0.22 |
| tblVehicleEF | OBUS | 0.25 | 0.08 |

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| tblVehicleEF | OBUS | 0.01 | 0.01 |
| tblVehicleEF | OBUS | 7.4200e-004 | 1.4700e-004 |
| tblVehicleEF | OBUS | 1.7080e-003 | 1.7150e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.05 | 0.06 |
| tblVehicleEF | OBUS | 8.2900e-004 | 8.6700e-004 |
| tblVehicleEF | OBUS | 0.02 | 0.01 |
| tblVehicleEF | OBUS | 0.05 | 0.22 |
| tblVehicleEF | OBUS | 0.27 | 0.09 |
| tblVehicleEF | SBUS | 0.84 | 0.07 |
| tblVehicleEF | SBUS | 3.4940e-003 | 1.1460e-003 |
| tblVehicleEF | SBUS | 0.05 | 5.9990e-003 |
| tblVehicleEF | SBUS | 7.49 | 3.27 |
| tblVehicleEF | SBUS | 0.27 | 0.15 |
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| tblVehicleEF | SBUS | 1,041.59 | 264.71 |
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| tblVehicleEF | SBUS | 51.04 | 4.32 |
| tblVehicleEF | SBUS | 2.26 | 1.21 |
| tblVehicleEF | SBUS | 0.89 | 1.27 |
| tblVehicleEF | SBUS | 12.25 | 1.95 |
| tblVehicleEF | SBUS | 1.6700e-004 | 2.9600e-004 |
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| tblVehicleEF | SBUS | 1.1460e-003 | 8.6000e-005 |
| tblVehicleEF | SBUS | 1.6000e-004 | 2.8300e-004 |
| tblVehicleEF | SBUS | 2.6280e-003 | 2.6360e-003 |
| tblVehicleEF | SBUS | 2.4730e-003 | 3.0970e-003 |
| tblVehicleEF | SBUS | 1.0540e-003 | 7.9000e-005 |

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| tblVehicleEF | SBUS | 2.3030e-003 | 7.4500e-004 |
| tblVehicleEF | SBUS | 0.04 | 9.8310e-003 |
| tblVehicleEF | SBUS | 0.02 | 0.07 |
| tblVehicleEF | SBUS | 0.30 | 0.03 |
| tblVehicleEF | SBUS | 0.01 | 2.5280e-003 |
| tblVehicleEF | SBUS | 9.7350e-003 | 7.6480e-003 |
| tblVehicleEF | SBUS | 6.0300e-004 | 4.3000e-005 |
| tblVehicleEF | SBUS | 4.8020e-003 | 1.5390e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 1.32 | 0.48 |
| tblVehicleEF | SBUS | 2.3030e-003 | 7.4500e-004 |
| tblVehicleEF | SBUS | 0.05 | 0.01 |
| tblVehicleEF | SBUS | 0.02 | 0.07 |
| tblVehicleEF | SBUS | 0.32 | 0.04 |
| tblVehicleEF | SBUS | 0.84 | 0.07 |
| tblVehicleEF | SBUS | 3.5520e-003 | 1.1750e-003 |
| tblVehicleEF | SBUS | 0.04 | 4.8670e-003 |
| tblVehicleEF | SBUS | 7.45 | 3.25 |
| tblVehicleEF | SBUS | 0.27 | 0.16 |
| tblVehicleEF | SBUS | 3.62 | 0.46 |
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| tblVehicleEF | SBUS | 0.84 | 1.19 |
| tblVehicleEF | SBUS | 12.23 | 1.94 |
| tblVehicleEF | SBUS | 1.4100e-004 | 2.6300e-004 |

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| tblVehicleEF | SBUS | 2.6080e-003 | 3.2600e-003 |
| tblVehicleEF | SBUS | 1.1460e-003 | 8.6000e-005 |
| tblVehicleEF | SBUS | 1.3500e-004 | 2.5200e-004 |
| tblVehicleEF | SBUS | 2.6280e-003 | 2.6360e-003 |
| tblVehicleEF | SBUS | 2.4730e-003 | 3.0970e-003 |
| tblVehicleEF | SBUS | 1.0540e-003 | 7.9000e-005 |
| tblVehicleEF | SBUS | 9.1300e-003 | 2.9130e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 0.91 | 0.33 |
| tblVehicleEF | SBUS | 4.8940e-003 | 1.5610e-003 |
| tblVehicleEF | SBUS | 0.04 | 9.9490e-003 |
| tblVehicleEF | SBUS | 0.01 | 0.06 |
| tblVehicleEF | SBUS | 0.24 | 0.03 |
| tblVehicleEF | SBUS | 0.01 | 2.4990e-003 |
| tblVehicleEF | SBUS | 9.7350e-003 | 7.6480e-003 |
| tblVehicleEF | SBUS | 5.7400e-004 | 3.9000e-005 |
| tblVehicleEF | SBUS | 9.1300e-003 | 2.9130e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 1.32 | 0.48 |
| tblVehicleEF | SBUS | 4.8940e-003 | 1.5610e-003 |
| tblVehicleEF | SBUS | 0.05 | 0.01 |
| tblVehicleEF | SBUS | 0.01 | 0.06 |
| tblVehicleEF | SBUS | 0.26 | 0.03 |
| tblVehicleEF | SBUS | 0.84 | 0.07 |
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| tblVehicleEF | SBUS | 0.27 | 0.15 |
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| tblVehicleEF | SBUS | 0.88 | 1.25 |
| tblVehicleEF | SBUS | 12.25 | 1.95 |
| tblVehicleEF | SBUS | 2.0400e-004 | 3.4200e-004 |
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| tblVehicleEF | SBUS | 2.6080e-003 | 3.2600e-003 |
| tblVehicleEF | SBUS | 1.1460e-003 | 8.6000e-005 |
| tblVehicleEF | SBUS | 1.9500e-004 | 3.2700e-004 |
| tblVehicleEF | SBUS | 2.6280e-003 | 2.6360e-003 |
| tblVehicleEF | SBUS | 2.4730e-003 | 3.0970e-003 |
| tblVehicleEF | SBUS | 1.0540e-003 | 7.9000e-005 |
| tblVehicleEF | SBUS | 4.5130e-003 | 1.4240e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 0.91 | 0.33 |
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| tblVehicleEF | SBUS | 9.7350e-003 | 7.6480e-003 |
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| tblVehicleEF | SBUS | 0.02 | 0.08 |

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| tblVehicleEF | UBUS | 0.79 | 4.23 |
| tblVehicleEF | UBUS | 0.06 | 0.02 |
| tblVehicleEF | UBUS | 3.89 | 32.93 |
| tblVehicleEF | UBUS | 7.80 | 1.43 |
| tblVehicleEF | UBUS | 1,683.21 | 1,660.54 |
| tblVehicleEF | UBUS | 146.97 | 14.28 |
| tblVehicleEF | UBUS | 0.44 | 0.41 |
| tblVehicleEF | UBUS | 11.66 | 0.28 |
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| tblVehicleEF | UBUS | 1.7350e-003 | 2.7300e-003 |
| tblVehicleEF | UBUS | 1.7320e-003 | 2.1800e-004 |
| tblVehicleEF | UBUS | 0.21 | 0.03 |
| tblVehicleEF | UBUS | 3.0000e-003 | 6.3130e-003 |
| tblVehicleEF | UBUS | 1.6160e-003 | 2.5940e-003 |
| tblVehicleEF | UBUS | 1.5920e-003 | 2.0000e-004 |
| tblVehicleEF | UBUS | 4.8450e-003 | 1.5660e-003 |
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| tblVehicleEF | UBUS | 3.0640e-003 | 9.3600e-004 |
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| tblVehicleEF | UBUS | 0.02 | 0.06 |
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| tblVehicleEF | UBUS | 1.6140e-003 | 1.4100e-004 |
| tblVehicleEF | UBUS | 4.8450e-003 | 1.5660e-003 |
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| tblVehicleEF | UBUS | 3.0640e-003 | 9.3600e-004 |
| tblVehicleEF | UBUS | 0.81 | 4.32 |
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| tblVehicleEF | UBUS | 6.46 | 1.18 |
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| tblVehicleEF | UBUS | 11.59 | 0.26 |
| tblVehicleEF | UBUS | 0.48 | 0.08 |
| tblVehicleEF | UBUS | 0.01 | 0.03 |
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| tblVehicleEF | UBUS | 1.7320e-003 | 2.1800e-004 |
| tblVehicleEF | UBUS | 0.21 | 0.03 |
| tblVehicleEF | UBUS | 3.0000e-003 | 6.3130e-003 |
| tblVehicleEF | UBUS | 1.6160e-003 | 2.5940e-003 |
| tblVehicleEF | UBUS | 1.5920e-003 | 2.0000e-004 |
| tblVehicleEF | UBUS | 8.9640e-003 | 2.9660e-003 |
| tblVehicleEF | UBUS | 0.07 | 0.02 |
| tblVehicleEF | UBUS | 6.6200e-003 | 2.0890e-003 |
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| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.67 | 0.06 |
| tblVehicleEF | UBUS | 8.0120e-003 | 3.1230e-003 |
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| tblVehicleEF | UBUS | 6.6200e-003 | 2.0890e-003 |
| tblVehicleEF | UBUS | 0.82 | 4.32 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |

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| tblVehicleEF | UBUS | 0.79 | 4.23 |
| tblVehicleEF | UBUS | 0.06 | 0.02 |
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| tblVehicleEF | UBUS | 7.58 | 1.40 |
| tblVehicleEF | UBUS | 1,683.21 | 1,660.54 |
| tblVehicleEF | UBUS | 146.97 | 14.22 |
| tblVehicleEF | UBUS | 0.43 | 0.41 |
| tblVehicleEF | UBUS | 11.65 | 0.27 |
| tblVehicleEF | UBUS | 0.48 | 0.08 |
| tblVehicleEF | UBUS | 0.01 | 0.03 |
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| tblVehicleEF | UBUS | 1.7320e-003 | 2.1800e-004 |
| tblVehicleEF | UBUS | 0.21 | 0.03 |
| tblVehicleEF | UBUS | 3.0000e-003 | 6.3130e-003 |
| tblVehicleEF | UBUS | 1.6160e-003 | 2.5940e-003 |
| tblVehicleEF | UBUS | 1.5920e-003 | 2.0000e-004 |
| tblVehicleEF | UBUS | 4.5770e-003 | 1.5720e-003 |
| tblVehicleEF | UBUS | 0.06 | 0.01 |
| tblVehicleEF | UBUS | 2.9830e-003 | 9.1600e-004 |
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| tblVehicleEF | UBUS | 0.02 | 0.08 |
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| tblVehicleEF | UBUS | 8.0120e-003 | 3.1230e-003 |
| tblVehicleEF | UBUS | 1.6110e-003 | 1.4100e-004 |
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| tblVehicleEF | UBUS | 2.9830e-003 | 9.1600e-004 |
| tblVehicleEF | UBUS | 0.81 | 4.32 |
| tblVehicleEF | UBUS | 0.02 | 0.08 |

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| tblVehicleTrips | ST_TR | 1.32 | 5.12 |
| tblVehicleTrips | ST_TR | 2.46 | 9.74 |
| tblVehicleTrips | ST_TR | 158.37 | 56.08 |
| tblVehicleTrips | ST_TR | 1.49 | 3.93 |
| tblVehicleTrips | ST_TR | 49.97 | 25.54 |
| tblVehicleTrips | ST_TR | 1.68 | 1.73 |
| tblVehicleTrips | SU_TR | 166.88 | 76.44 |
| tblVehicleTrips | SU_TR | 500.00 | 173.15 |
| tblVehicleTrips | SU_TR | 1.50 | 1.84 |
| tblVehicleTrips | SU_TR | 0.68 | 5.12 |
| tblVehicleTrips | SU_TR | 1.05 | 9.74 |
| tblVehicleTrips | SU_TR | 131.84 | 56.08 |
| tblVehicleTrips | SU_TR | 0.62 | 3.93 |
| tblVehicleTrips | SU_TR | 25.24 | 25.54 |
| tblVehicleTrips | SU_TR | 1.68 | 1.73 |
| tblVehicleTrips | WD_TR | 542.60 | 76.44 |
| tblVehicleTrips | WD_TR | 716.00 | 173.15 |
| tblVehicleTrips | WD_TR | 1.50 | 1.84 |
| tblVehicleTrips | WD_TR | 6.97 | 5.12 |
| tblVehicleTrips | WD_TR | 11.03 | 9.74 |
| tblVehicleTrips | WD_TR | 127.15 | 56.08 |
| tblVehicleTrips | WD_TR | 3.82 | 3.93 |
| tblVehicleTrips | WD_TR | 42.70 | 25.54 |
| tblVehicleTrips | WD_TR | 1.68 | 1.73 |

## 2.0 Emissions Summary

## 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 | | | | | |
| 2045 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Maximum** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | | | | | |
| 2045 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Maximum** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | 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** |

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---|---|---|---|---|
| | | Highest | | |

## 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 | 112.9477 | 2.1200e-003 | 0.2363 | 2.0000e-005 | | 8.4000e-004 | 8.4000e-004 | | 8.4000e-004 | 8.4000e-004 | 0.0000 | 0.4624 | 0.4624 | 1.1900e-003 | 0.0000 | 0.4922 |
| Energy | 1.9355 | 17.5955 | 14.7803 | 0.1056 | | 1.3373 | 1.3373 | | 1.3373 | 1.3373 | 0.0000 | 19,154.8893 | 19,154.8893 | 0.3671 | 0.3512 | 19,268.7173 |
| Mobile | 12.1488 | 53.3079 | 156.6281 | 0.5709 | 74.8700 | 0.4654 | 75.3354 | 20.0116 | 0.4410 | 20.4526 | 0.0000 | 53,602.9834 | 53,602.9834 | 2.2046 | 0.0000 | 53,658.0984 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 5,583.4288 | 0.0000 | 5,583.4288 | 329.9712 | 0.0000 | 13,832.7086 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 1,889.0791 | 0.0000 | 1,889.0791 | 194.0265 | 4.5814 | 8,104.9959 |
| **Total** | **127.0320** | **70.9056** | **171.6447** | **0.6765** | **74.8700** | **1.8035** | **76.6735** | **20.0116** | **1.7791** | **21.7907** | **7,472.5079** | **72,758.3351** | **80,230.8430** | **526.5707** | **4.9326** | **94,865.0124** |

## 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 | 106.9576 | 2.1200e-003 | 0.2363 | 2.0000e-005 | | 8.4000e-004 | 8.4000e-004 | | 8.4000e-004 | 8.4000e-004 | 0.0000 | 0.4624 | 0.4624 | 1.1900e-003 | 0.0000 | 0.4922 |
| Energy | 1.6357 | 14.8700 | 12.4908 | 0.0892 | | 1.1301 | 1.1301 | | 1.1301 | 1.1301 | 0.0000 | 16,187.7715 | 16,187.7715 | 0.3103 | 0.2968 | 16,283.9674 |
| Mobile | 12.1488 | 53.3079 | 156.6281 | 0.5709 | 74.8700 | 0.4654 | 75.3354 | 20.0116 | 0.4410 | 20.4526 | 0.0000 | 53,602.9834 | 53,602.9834 | 2.2046 | 0.0000 | 53,658.0984 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 1,395.8572 | 0.0000 | 1,395.8572 | 82.4928 | 0.0000 | 3,458.1772 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 1,511.2633 | 0.0000 | 1,511.2633 | 155.2212 | 3.6651 | 6,483.9967 |
| **Total** | **120.7421** | **68.1800** | **169.3552** | **0.6601** | **74.8700** | **1.5964** | **76.4664** | **20.0116** | **1.5720** | **21.5836** | **2,907.1205** | **69,791.2173** | **72,698.3378** | **240.2301** | **3.9619** | **79,884.7318** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Percent Reduction | 4.95 | 3.84 | 1.33 | 2.42 | 0.00 | 11.49 | 0.27 | 0.00 | 11.64 | 0.95 | 61.10 | 4.08 | 9.39 | 54.38 | 19.68 | 15.79 |

## 3.0 Construction Detail

### Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Demolition | Demolition | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 2 | Site Preparation | Site Preparation | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 3 | Grading | Grading | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 4 | Building Construction | Building Construction | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 5 | Paving | Paving | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 6 | Architectural Coating | Architectural Coating | 12/31/2045 | 12/31/2045 | 5 | 0 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 38,770,668; Non-Residential Outdoor: 12,923,556; Striped Parking**

### OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Demolition | Excavators | 0 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Grading | Excavators | 0 | 8.00 | 158 | 0.38 |
| Grading | Graders | 0 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |

| | | | | | |
|---|---|---|---|---|---|
| Grading | Scrapers | 0 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 0 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 0 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 0 | 8.00 | 46 | 0.45 |
| Paving | Pavers | 0 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 0 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 0 | 8.00 | 80 | 0.38 |
| Architectural Coating | Air Compressors | 0 | 6.00 | 78 | 0.48 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 0 | 10,818.00 | 4,236.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 0 | 2,164.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

## 3.2 Demolition - 2045

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.3 Site Preparation - 2045

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.4 Grading - 2045

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.5 Building Construction - 2045

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.6 Paving - 2045

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.7 Architectural Coating - 2045

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive 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 | 12.1488 | 53.3079 | 156.6281 | 0.5709 | 74.8700 | 0.4654 | 75.3354 | 20.0116 | 0.4410 | 20.4526 | 0.0000 | 53,602.9834 | 53,602.9834 | 2.2046 | 0.0000 | 53,658.0984 |
| Unmitigated | 12.1488 | 53.3079 | 156.6281 | 0.5709 | 74.8700 | 0.4654 | 75.3354 | 20.0116 | 0.4410 | 20.4526 | 0.0000 | 53,602.9834 | 53,602.9834 | 2.2046 | 0.0000 | 53,658.0984 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Convenience Market With Gas Pumps | 2,751.84 | 2,751.84 | 2751.84 | 1,476,099 | 1,476,099 |
| Fast Food Restaurant w/o Drive Thru | 1,125.48 | 1,125.48 | 1125.48 | 1,814,905 | 1,814,905 |
| General Heavy Industry | 5,060.00 | 5,060.00 | 5060.00 | 14,772,726 | 14,772,726 |
| General Light Industry | 12,928.41 | 12,928.41 | 12928.41 | 37,744,636 | 37,744,636 |
| General Office Building | 3,360.30 | 3,360.30 | 3360.30 | 8,030,286 | 8,030,286 |
| High Turnover (Sit Down Restaurant) | 1,009.44 | 1,009.44 | 1009.44 | 1,171,217 | 1,171,217 |
| Manufacturing | 17,888.46 | 17,888.46 | 17888.46 | 52,225,547 | 52,225,547 |
| Regional Shopping Center | 842.82 | 842.82 | 842.82 | 1,477,720 | 1,477,720 |
| Unrefrigerated Warehouse-No Rail | 27,009.94 | 27,009.94 | 27009.94 | 78,855,810 | 78,855,810 |
| Total | 71,976.68 | 71,976.68 | 71,976.68 | 197,568,947 | 197,568,947 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | 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 |
| Convenience Market With Gas Pumps | 9.50 | 7.30 | 7.30 | 0.80 | 80.20 | 19.00 | 14 | 21 | 65 |
| Fast Food Restaurant w/o Drive Thru | 9.50 | 7.30 | 7.30 | 1.50 | 79.50 | 19.00 | 51 | 37 | 12 |
| General Heavy Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| High Turnover (Sit Down Restaurant) | 9.50 | 7.30 | 7.30 | 8.50 | 72.50 | 19.00 | 37 | 20 | 43 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Manufacturing | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |
| Unrefrigerated Warehouse-No Rail | 9.50 | 7.30 | 7.30 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Convenience Market With Gas Pumps | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Fast Food Restaurant w/o Drive Thru | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| General Heavy Industry | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| General Light Industry | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |
| General Office Building | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| High Turnover (Sit Down Restaurant) | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Manufacturing | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |
| Regional Shopping Center | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Unrefrigerated Warehouse-No Rail | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

| | ROG | NOx | CO | SO2 | Fugitive 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NaturalGas Mitigated | 1.6357 | 14.8700 | 12.4908 | 0.0892 | | 1.1301 | 1.1301 | | 1.1301 | 1.1301 | 0.0000 | 16,187.7715 | 16,187.7715 | 0.3103 | 0.2968 | 16,283.9674 |
| NaturalGas Unmitigated | 1.9355 | 17.5955 | 14.7803 | 0.1056 | | 1.3373 | 1.3373 | | 1.3373 | 1.3373 | 0.0000 | 19,154.8893 | 19,154.8893 | 0.3671 | 0.3512 | 19,268.7173 |

## 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 | | | | | |
| Convenience Market With Gas Pumps | 11282.7 | 6.0000e-005 | 5.5000e-004 | 4.6000e-004 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | 0.0000 | 0.6021 | 0.6021 | 1.0000e-005 | 1.0000e-005 | 0.6057 |
| Fast Food Restaurant w/o Drive Thru | 1.77736e+006 | 9.5800e-003 | 0.0871 | 0.0732 | 5.2000e-004 | | 6.6200e-003 | 6.6200e-003 | | 6.6200e-003 | 6.6200e-003 | 0.0000 | 94.8467 | 94.8467 | 1.8200e-003 | 1.7400e-003 | 95.4103 |
| General Heavy Industry | 8.93475e+007 | 0.4818 | 4.3798 | 3.6790 | 0.0263 | | 0.3329 | 0.3329 | | 0.3329 | 0.3329 | 0.0000 | 4,767.9229 | 4,767.9229 | 0.0914 | 0.0874 | 4,796.2562 |
| General Light Industry | 8.20398e+007 | 0.4424 | 4.0216 | 3.3781 | 0.0241 | | 0.3056 | 0.3056 | | 0.3056 | 0.3056 | 0.0000 | 4,377.9588 | 4,377.9588 | 0.0839 | 0.0803 | 4,403.9748 |
| General Office Building | 1.19715e+006 | 6.4600e-003 | 0.0587 | 0.0493 | 3.5000e-004 | | 4.4600e-003 | 4.4600e-003 | | 4.4600e-003 | 4.4600e-003 | 0.0000 | 63.8845 | 63.8845 | 1.2200e-003 | 1.1700e-003 | 64.2641 |
| High Turnover (Sit Down Restaurant) | 4.92192e+006 | 0.0265 | 0.2413 | 0.2027 | 1.4500e-003 | | 0.0183 | 0.0183 | | 0.0183 | 0.0183 | 0.0000 | 262.6524 | 262.6524 | 5.0300e-003 | 4.8200e-003 | 264.2132 |
| Manufacturing | 1.47887e+008 | 0.7974 | 7.2494 | 6.0895 | 0.0435 | | 0.5510 | 0.5510 | | 0.5510 | 0.5510 | 0.0000 | 7,891.8139 | 7,891.8139 | 0.1513 | 0.1447 | 7,938.7110 |
| Regional Shopping Center | 73260 | 4.0000e-004 | 3.5900e-003 | 3.0200e-003 | 2.0000e-005 | | 2.7000e-004 | 2.7000e-004 | | 2.7000e-004 | 2.7000e-004 | 0.0000 | 3.9094 | 3.9094 | 7.0000e-005 | 7.0000e-005 | 3.9327 |
| Unrefrigerated Warehouse-No Rail | 3.16937e+007 | 0.1709 | 1.5536 | 1.3050 | 9.3200e-003 | | 0.1181 | 0.1181 | | 0.1181 | 0.1181 | 0.0000 | 1,691.2987 | 1,691.2987 | 0.0324 | 0.0310 | 1,701.3492 |
| **Total** | | **1.9355** | **17.5955** | **14.7803** | **0.1056** | | **1.3373** | **1.3373** | | **1.3373** | **1.3373** | **0.0000** | **19,154.8893** | **19,154.8893** | **0.3671** | **0.3512** | **19,268.7173** |

### 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 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Convenience Market With Gas Pumps | 8355.3 | 5.0000e-005 | 4.1000e-004 | 3.4000e-004 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | | 3.0000e-005 | 3.0000e-005 | 0.0000 | 0.4459 | 0.4459 | 1.0000e-005 | 1.0000e-005 | 0.4485 |
| Fast Food Restaurant w/o Drive Thru | 1.6259e+006 | 8.7700e-003 | 0.0797 | 0.0670 | 4.8000e-004 | | 6.0600e-003 | 6.0600e-003 | | 6.0600e-003 | 6.0600e-003 | 0.0000 | 86.7644 | 86.7644 | 1.6600e-003 | 1.5900e-003 | 87.2800 |
| General Heavy Industry | 7.66755e+007 | 0.4135 | 3.7586 | 3.1572 | 0.0226 | | 0.2857 | 0.2857 | | 0.2857 | 0.2857 | 0.0000 | 4,091.6967 | 4,091.6967 | 0.0784 | 0.0750 | 4,116.0116 |
| General Light Industry | 7.04043e+007 | 0.3796 | 3.4512 | 2.8990 | 0.0207 | | 0.2623 | 0.2623 | | 0.2623 | 0.2623 | 0.0000 | 3,757.0405 | 3,757.0405 | 0.0720 | 0.0689 | 3,779.3667 |
| General Office Building | 838005 | 4.5200e-003 | 0.0411 | 0.0345 | 2.5000e-004 | | 3.1200e-003 | 3.1200e-003 | | 3.1200e-003 | 3.1200e-003 | 0.0000 | 44.7191 | 44.7191 | 8.6000e-004 | 8.2000e-004 | 44.9849 |
| High Turnover (Sit Down Restaurant) | 4.5025e+006 | 0.0243 | 0.2207 | 0.1854 | 1.3200e-003 | | 0.0168 | 0.0168 | | 0.0168 | 0.0168 | 0.0000 | 240.2707 | 240.2707 | 4.6100e-003 | 4.4000e-003 | 241.6985 |
| Manufacturing | 1.26912e+008 | 0.6843 | 6.2212 | 5.2258 | 0.0373 | | 0.4728 | 0.4728 | | 0.4728 | 0.4728 | 0.0000 | 6,772.5317 | 6,772.5317 | 0.1298 | 0.1242 | 6,812.7775 |
| Regional Shopping Center | 54252 | 2.9000e-004 | 2.6600e-003 | 2.2300e-003 | 2.0000e-005 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | 0.0000 | 2.8951 | 2.8951 | 6.0000e-005 | 5.0000e-005 | 2.9123 |
| Unrefrigerated Warehouse-No Rail | 2.23261e+007 | 0.1204 | 1.0944 | 0.9193 | 6.5700e-003 | | 0.0832 | 0.0832 | | 0.0832 | 0.0832 | 0.0000 | 1,191.4075 | 1,191.4075 | 0.0228 | 0.0218 | 1,198.4874 |
| **Total** | | **1.6357** | **14.8700** | **12.4908** | **0.0892** | | **1.1301** | **1.1301** | | **1.1301** | **1.1301** | **0.0000** | **16,187.7715** | **16,187.7715** | **0.3103** | **0.2968** | **16,283.9674** |

## 5.3 Energy by Land Use - Electricity

**Unmitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Convenience Market With Gas Pumps | 64189.4 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Fast Food Restaurant w/o Drive Thru | 308620 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Heavy Industry | 2.79125e+007 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 2.56296e+007 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Office Building | 3.2844e+006 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| High Turnover (Sit Down Restaurant) | 854640 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | |
|---|---|---|---|---|---|
| Manufacturing | 4.62005e+007 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 416790 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 3.68459e+007 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**Mitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Convenience Market With Gas Pumps | 57206.4 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Fast Food Restaurant w/o Drive Thru | 284479 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Heavy Industry | 2.60975e+007 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 2.3963e+007 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Office Building | 2.96666e+006 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| High Turnover (Sit Down Restaurant) | 787788 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 4.31963e+007 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 371448 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 3.51129e+007 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

# 6.0 Area Detail

## 6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

| | ROG | NOx | CO | SO2 | Fugitive 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 | 106.9576 | 2.1200e-003 | 0.2363 | 2.0000e-005 | | 8.4000e-004 | 8.4000e-004 | | 8.4000e-004 | 8.4000e-004 | 0.0000 | 0.4624 | 0.4624 | 1.1900e-003 | 0.0000 | 0.4922 |
| Unmitigated | 112.9477 | 2.1200e-003 | 0.2363 | 2.0000e-005 | | 8.4000e-004 | 8.4000e-004 | | 8.4000e-004 | 8.4000e-004 | 0.0000 | 0.4624 | 0.4624 | 1.1900e-003 | 0.0000 | 0.4922 |

## 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 | 11.9802 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 100.9459 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 0.0216 | 2.1200e-003 | 0.2363 | 2.0000e-005 | | 8.4000e-004 | 8.4000e-004 | | 8.4000e-004 | 8.4000e-004 | 0.0000 | 0.4624 | 0.4624 | 1.1900e-003 | 0.0000 | 0.4922 |
| **Total** | **112.9477** | **2.1200e-003** | **0.2363** | **2.0000e-005** | | **8.4000e-004** | **8.4000e-004** | | **8.4000e-004** | **8.4000e-004** | **0.0000** | **0.4624** | **0.4624** | **1.1900e-003** | **0.0000** | **0.4922** |

**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 | 5.9901 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 100.9459 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 0.0216 | 2.1200e-003 | 0.2363 | 2.0000e-005 | | 8.4000e-004 | 8.4000e-004 | | 8.4000e-004 | 8.4000e-004 | 0.0000 | 0.4624 | 0.4624 | 1.1900e-003 | 0.0000 | 0.4922 |
| **Total** | **106.9576** | **2.1200e-003** | **0.2363** | **2.0000e-005** | | **8.4000e-004** | **8.4000e-004** | | **8.4000e-004** | **8.4000e-004** | **0.0000** | **0.4624** | **0.4624** | **1.1900e-003** | **0.0000** | **0.4922** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| Category | MT/yr | | | |
| Mitigated | 1,511.2633 | 155.2212 | 3.6651 | 6,483.9967 |
| Unmitigated | 1,889.0791 | 194.0265 | 4.5814 | 8,104.9959 |

## 7.2 Water by Land Use

### Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Convenience Market With Gas Pumps | 0.376458 / 0.230733 | 0.1194 | 0.0123 | 2.9000e-004 | 0.5124 |
| Fast Food Restaurant w/o Drive Thru | 1.97297 / 0.125934 | 0.6259 | 0.0643 | 1.5200e-003 | 2.6855 |
| General Heavy Industry | 635.938 / 0 | 201.7536 | 20.7220 | 0.4893 | 865.6135 |
| General Light Industry | 583.925 / 0 | 185.2524 | 19.0272 | 0.4493 | 794.8158 |
| General Office Building | 61.3181 / 37.5821 | 19.4534 | 1.9981 | 0.0472 | 83.4639 |
| High Turnover (Sit Down Restaurant) | 5.46361 / 0.348741 | 1.7334 | 0.1780 | 4.2000e-003 | 7.4369 |
| Manufacturing | 1052.6 / 0 | 333.9404 | 34.2989 | 0.8099 | 1,432.7540 |
| Regional Shopping Center | 2.44439 / 1.49818 | 0.7755 | 0.0797 | 1.8800e-003 | 3.3272 |
| Unrefrigerated Warehouse-No Rail | 3610.44 / 0 | 1,145.4251 | 117.6461 | 2.7779 | 4,914.3868 |
| **Total** | | **1,889.0791** | **194.0265** | **4.5814** | **8,104.9959** |

### Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |

| | | | | | |
|---|---|---|---|---|---|
| Convenience Market With Gas Pumps | 0.301167 / 0.216658 | 0.0956 | 9.8100e-003 | 2.3000e-004 | 0.4099 |
| Fast Food Restaurant w/o Drive Thru | 1.57838 / 0.118252 | 0.5008 | 0.0514 | 1.2100e-003 | 2.1484 |
| General Heavy Industry | 508.75 / 0 | 161.4029 | 16.5776 | 0.3914 | 692.4908 |
| General Light Industry | 467.14 / 0 | 148.2019 | 15.2218 | 0.3594 | 635.8526 |
| General Office Building | 49.0545 / 35.2896 | 15.5627 | 1.5984 | 0.0377 | 66.7711 |
| High Turnover (Sit Down Restaurant) | 4.37089 / 0.327468 | 1.3867 | 0.1424 | 3.3600e-003 | 5.9495 |
| Manufacturing | 842.077 / 0 | 267.1523 | 27.4391 | 0.6479 | 1,146.2032 |
| Regional Shopping Center | 1.95551 / 1.40679 | 0.6204 | 0.0637 | 1.5000e-003 | 2.6618 |
| Unrefrigerated Warehouse-No Rail | 2888.35 / 0 | 916.3400 | 94.1169 | 2.2223 | 3,931.5094 |
| **Total** | | **1,511.2633** | **155.2212** | **3.6651** | **6,483.9967** |

# 8.0 Waste Detail

## 8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

**Category/Year**

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| | MT/yr | | | |
| Mitigated | 1,395.8572 | 82.4928 | 0.0000 | 3,458.1772 |
| Unmitigated | 5,583.4288 | 329.9712 | 0.0000 | 13,832.7086 |

## 8.2 Waste by Land Use

### Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Fast Food Restaurant w/o Drive Thru | 74.87 | 15.1979 | 0.8982 | 0.0000 | 37.6522 |
| General Heavy Industry | 3410 | 692.1992 | 40.9078 | 0.0000 | 1,714.8942 |
| General Light Industry | 3131.1 | 635.5850 | 37.5620 | 0.0000 | 1,574.6349 |
| General Office Building | 320.85 | 65.1297 | 3.8491 | 0.0000 | 161.3560 |
| High Turnover (Sit Down Restaurant) | 214.2 | 43.4807 | 2.5696 | 0.0000 | 107.7215 |
| Manufacturing | 5644.19 | 1,145.7196 | 67.7101 | 0.0000 | 2,838.4717 |
| Regional Shopping Center | 34.65 | 7.0336 | 0.4157 | 0.0000 | 17.4255 |
| Unrefrigerated Warehouse-No Rail | 14675.9 | 2,979.0832 | 176.0588 | 0.0000 | 7,380.5525 |
| **Total** | | **5,583.4288** | **329.9712** | **0.0000** | **13,832.7086** |

### Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Fast Food Restaurant w/o Drive Thru | 18.7175 | 3.7995 | 0.2245 | 0.0000 | 9.4131 |
| General Heavy Industry | 852.5 | 173.0498 | 10.2270 | 0.0000 | 428.7235 |
| General Light Industry | 782.775 | 158.8963 | 9.3905 | 0.0000 | 393.6587 |

| | | | | | |
|---|---|---|---|---|---|
| General Office Building | 80.2125 | 16.2824 | 0.9623 | 0.0000 | 40.3390 |
| High Turnover (Sit Down Restaurant) | 53.55 | 10.8702 | 0.6424 | 0.0000 | 26.9304 |
| Manufacturing | 1411.05 | 286.4299 | 16.9275 | 0.0000 | 709.6179 |
| Regional Shopping Center | 8.6625 | 1.7584 | 0.1039 | 0.0000 | 4.3564 |
| Unrefrigerated Warehouse-No Rail | 3668.99 | 744.7708 | 44.0147 | 0.0000 | 1,845.1381 |
| **Total** | | **1,395.8572** | **82.4928** | **0.0000** | **3,458.1772** |

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

### Fire Pumps and Emergency Generators

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

### Boilers

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

### User Defined Equipment

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

## 11.0 Vegetation

# SCLA Specific Plan EIR - Unmitigated Operational

**San Bernardino-Mojave Desert County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Office Building | 345.00 | 1000sqft | 799.20 | 345,000.00 | 0 |
| General Heavy Industry | 2,750.00 | 1000sqft | 799.20 | 2,750,000.00 | 0 |
| General Light Industry | 2,525.08 | 1000sqft | 799.20 | 2,525,080.00 | 0 |
| Manufacturing | 4,551.77 | 1000sqft | 799.20 | 4,551,770.00 | 0 |
| Unrefrigerated Warehouse-No Rail | 15,612.68 | 1000sqft | 797.76 | 15,612,680.00 | 0 |
| Fast Food Restaurant w/o Drive Thru | 6.50 | 1000sqft | 0.15 | 6,500.00 | 0 |
| High Turnover (Sit Down Restaurant) | 18.00 | 1000sqft | 0.41 | 18,000.00 | 0 |
| Convenience Market With Gas Pumps | 36.00 | Pump | 0.12 | 5,082.30 | 0 |
| Regional Shopping Center | 33.00 | 1000sqft | 0.76 | 33,000.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.6 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 10 | | | **Operational Year** | 2050 |
| **Utility Company** | Statewide Average | | | | |
| **CO2 Intensity (lb/MWhr)** | 0 | **CH4 Intensity (lb/MWhr)** | 0 | **N2O Intensity (lb/MWhr)** | 0 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - Statewide Average with 100% reduction due to goals & regulation in SB 100 (2045 - 100% renewable energy).

Land Use - Based off the Land Use Intensities in the Michael Baker International, Southern California Logistics Airport Specific Plan Traffic Impact Analysis, April 23, 2020, and information from the Applicant.

Construction Phase - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Grading - Operational Run Only.

Architectural Coating - MDAQMD Rule 1113

Vehicle Trips - Per the traffic study the project would have 71,971 ADT.

Vehicle Emission Factors - EMFAC2017 Model Run for San Bernardino County (2050)

Vehicle Emission Factors - EMFAC2017 Model Run for San Bernardino County (2050)

Vehicle Emission Factors - EMFAC2017 Model Run for San Bernardino County (2050)

Area Coating - MDAQMD Rule 1113

Energy Use -

Mobile Land Use Mitigation -

Area Mitigation - MDAQMD Rule 1113

Energy Mitigation - 2019 Title 24 Requirements are 30% more efficient than model 2016 Title 24 standards.

Water Mitigation - 2019 Title 24 & CalGreen.

Waste Mitigation - AB 341 post 2020 requirement.

Fleet Mix - According to the TIA and communication with the traffic engineer, only the manufacturing, warehousing, and light industrial uses would have truck trips, thus 100% LDA (passenger cars) was assumed.

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 100.00 |
| tblAreaCoating | Area_EF_Nonresidential_Exterior | 250 | 100 |
| tblAreaCoating | Area_EF_Nonresidential_Interior | 250 | 100 |

| | | | |
|---|---|---|---|
| tblAreaCoating | Area_EF_Parking | 250 | 100 |
| tblAreaCoating | Area_EF_Residential_Exterior | 250 | 100 |
| tblAreaCoating | Area_EF_Residential_Interior | 250 | 100 |
| tblAreaMitigation | UseLowVOCPaintNonresidentialExteriorValue | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintNonresidentialInteriorValue | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintParkingCheck | False | True |
| tblAreaMitigation | UseLowVOCPaintParkingValue | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintResidentialExteriorValue | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintResidentialInteriorValue | 100 | 50 |
| tblConstructionPhase | NumDays | 11,000.00 | 0.00 |
| tblConstructionPhase | NumDays | 155,000.00 | 0.00 |
| tblConstructionPhase | NumDays | 10,000.00 | 0.00 |
| tblConstructionPhase | NumDays | 15,500.00 | 0.00 |
| tblConstructionPhase | NumDays | 11,000.00 | 0.00 |
| tblConstructionPhase | NumDays | 6,000.00 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.07 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.07 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.07 |
| tblFleetMix | LDA | 0.57 | 1.00 |
| tblFleetMix | LDA | 0.57 | 1.00 |
| tblFleetMix | LDA | 0.57 | 1.00 |
| tblFleetMix | LDA | 0.57 | 0.57 |
| tblFleetMix | LDA | 0.57 | 1.00 |
| tblFleetMix | LDA | 0.57 | 1.00 |

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|---|---|---|---|
| tblFleetMix | LDA | 0.57 | 0.57 |
| tblFleetMix | LDA | 0.57 | 1.00 |
| tblFleetMix | LDA | 0.57 | 0.57 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.03 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.03 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.03 |
| tblFleetMix | LDT2 | 0.18 | 0.00 |
| tblFleetMix | LDT2 | 0.18 | 0.00 |
| tblFleetMix | LDT2 | 0.18 | 0.00 |
| tblFleetMix | LDT2 | 0.18 | 0.19 |
| tblFleetMix | LDT2 | 0.18 | 0.00 |
| tblFleetMix | LDT2 | 0.18 | 0.00 |
| tblFleetMix | LDT2 | 0.18 | 0.19 |
| tblFleetMix | LDT2 | 0.18 | 0.00 |
| tblFleetMix | LDT2 | 0.18 | 0.19 |
| tblFleetMix | LHD1 | 8.5950e-003 | 0.00 |
| tblFleetMix | LHD1 | 8.5950e-003 | 0.00 |
| tblFleetMix | LHD1 | 8.5950e-003 | 0.00 |
| tblFleetMix | LHD1 | 8.5950e-003 | 8.7560e-003 |
| tblFleetMix | LHD1 | 8.5950e-003 | 0.00 |
| tblFleetMix | LHD1 | 8.5950e-003 | 0.00 |
| tblFleetMix | LHD1 | 8.5950e-003 | 8.7560e-003 |
| tblFleetMix | LHD1 | 8.5950e-003 | 0.00 |
| tblFleetMix | LHD1 | 8.5950e-003 | 8.7560e-003 |

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|---|---|---|---|
| tblFleetMix | LHD2 | 4.0480e-003 | 0.00 |
| tblFleetMix | LHD2 | 4.0480e-003 | 0.00 |
| tblFleetMix | LHD2 | 4.0480e-003 | 0.00 |
| tblFleetMix | LHD2 | 4.0480e-003 | 4.0540e-003 |
| tblFleetMix | LHD2 | 4.0480e-003 | 0.00 |
| tblFleetMix | LHD2 | 4.0480e-003 | 0.00 |
| tblFleetMix | LHD2 | 4.0480e-003 | 4.0540e-003 |
| tblFleetMix | LHD2 | 4.0480e-003 | 0.00 |
| tblFleetMix | LHD2 | 4.0480e-003 | 4.0540e-003 |
| tblFleetMix | MCY | 5.2680e-003 | 0.00 |
| tblFleetMix | MCY | 5.2680e-003 | 0.00 |
| tblFleetMix | MCY | 5.2680e-003 | 0.00 |
| tblFleetMix | MCY | 5.2680e-003 | 5.2780e-003 |
| tblFleetMix | MCY | 5.2680e-003 | 0.00 |
| tblFleetMix | MCY | 5.2680e-003 | 0.00 |
| tblFleetMix | MCY | 5.2680e-003 | 5.2780e-003 |
| tblFleetMix | MCY | 5.2680e-003 | 0.00 |
| tblFleetMix | MCY | 5.2680e-003 | 5.2780e-003 |
| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.10 |
| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.10 |
| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.10 |
| tblFleetMix | MH | 5.0700e-004 | 0.00 |
| tblFleetMix | MH | 5.0700e-004 | 0.00 |
| tblFleetMix | MH | 5.0700e-004 | 0.00 |

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|---|---|---|---|
| tblFleetMix | MH | 5.0700e-004 | 5.1200e-004 |
| tblFleetMix | MH | 5.0700e-004 | 0.00 |
| tblFleetMix | MH | 5.0700e-004 | 0.00 |
| tblFleetMix | MH | 5.0700e-004 | 5.1200e-004 |
| tblFleetMix | MH | 5.0700e-004 | 0.00 |
| tblFleetMix | MH | 5.0700e-004 | 5.1200e-004 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.02 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.02 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.02 |
| tblFleetMix | OBUS | 1.3930e-003 | 0.00 |
| tblFleetMix | OBUS | 1.3930e-003 | 0.00 |
| tblFleetMix | OBUS | 1.3930e-003 | 0.00 |
| tblFleetMix | OBUS | 1.3930e-003 | 1.3890e-003 |
| tblFleetMix | OBUS | 1.3930e-003 | 0.00 |
| tblFleetMix | OBUS | 1.3930e-003 | 0.00 |
| tblFleetMix | OBUS | 1.3930e-003 | 1.3890e-003 |
| tblFleetMix | OBUS | 1.3930e-003 | 0.00 |
| tblFleetMix | OBUS | 1.3930e-003 | 1.3890e-003 |
| tblFleetMix | SBUS | 7.0100e-004 | 0.00 |
| tblFleetMix | SBUS | 7.0100e-004 | 0.00 |
| tblFleetMix | SBUS | 7.0100e-004 | 0.00 |
| tblFleetMix | SBUS | 7.0100e-004 | 7.1900e-004 |
| tblFleetMix | SBUS | 7.0100e-004 | 0.00 |
| tblFleetMix | SBUS | 7.0100e-004 | 0.00 |

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|---|---|---|---|
| tblFleetMix | SBUS | 7.0100e-004 | 7.1900e-004 |
| tblFleetMix | SBUS | 7.0100e-004 | 0.00 |
| tblFleetMix | SBUS | 7.0100e-004 | 7.1900e-004 |
| tblFleetMix | UBUS | 1.2670e-003 | 0.00 |
| tblFleetMix | UBUS | 1.2670e-003 | 0.00 |
| tblFleetMix | UBUS | 1.2670e-003 | 0.00 |
| tblFleetMix | UBUS | 1.2670e-003 | 1.2680e-003 |
| tblFleetMix | UBUS | 1.2670e-003 | 0.00 |
| tblFleetMix | UBUS | 1.2670e-003 | 0.00 |
| tblFleetMix | UBUS | 1.2670e-003 | 1.2680e-003 |
| tblFleetMix | UBUS | 1.2670e-003 | 0.00 |
| tblFleetMix | UBUS | 1.2670e-003 | 1.2680e-003 |
| tblLandUse | LandUseSquareFeet | 15,612,700.00 | 15,612,680.00 |
| tblLandUse | LotAcreage | 7.92 | 799.20 |
| tblLandUse | LotAcreage | 63.13 | 799.20 |
| tblLandUse | LotAcreage | 57.97 | 799.20 |
| tblLandUse | LotAcreage | 104.49 | 799.20 |
| tblLandUse | LotAcreage | 358.42 | 797.76 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |

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|---|---|---|---|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 4.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblProjectCharacteristics | CH4IntensityFactor | 0.029 | 0 |
| tblProjectCharacteristics | CO2IntensityFactor | 1001.57 | 0 |
| tblProjectCharacteristics | N2OIntensityFactor | 0.006 | 0 |
| tblVehicleEF | HHD | 0.83 | 0.03 |
| tblVehicleEF | HHD | 0.03 | 0.03 |
| tblVehicleEF | HHD | 0.05 | 0.00 |
| tblVehicleEF | HHD | 2.11 | 8.88 |
| tblVehicleEF | HHD | 0.55 | 0.30 |
| tblVehicleEF | HHD | 1.64 | 2.2740e-003 |
| tblVehicleEF | HHD | 6,274.34 | 1,131.00 |
| tblVehicleEF | HHD | 1,396.15 | 957.24 |
| tblVehicleEF | HHD | 4.91 | 0.02 |
| tblVehicleEF | HHD | 17.41 | 7.10 |
| tblVehicleEF | HHD | 1.08 | 1.93 |
| tblVehicleEF | HHD | 20.19 | 2.35 |
| tblVehicleEF | HHD | 1.7080e-003 | 2.5610e-003 |
| tblVehicleEF | HHD | 0.06 | 0.06 |
| tblVehicleEF | HHD | 0.04 | 0.04 |
| tblVehicleEF | HHD | 4.8890e-003 | 0.02 |
| tblVehicleEF | HHD | 6.1000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.6340e-003 | 2.4500e-003 |
| tblVehicleEF | HHD | 0.03 | 0.03 |
| tblVehicleEF | HHD | 8.8770e-003 | 8.9080e-003 |

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|---|---|---|---|
| tblVehicleEF | HHD | 4.6770e-003 | 0.02 |
| tblVehicleEF | HHD | 5.6000e-005 | 0.00 |
| tblVehicleEF | HHD | 6.2000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 2.0270e-003 | 3.0000e-005 |
| tblVehicleEF | HHD | 0.56 | 0.60 |
| tblVehicleEF | HHD | 3.9000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.06 | 0.02 |
| tblVehicleEF | HHD | 1.3800e-004 | 1.4700e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | HHD | 0.06 | 0.01 |
| tblVehicleEF | HHD | 0.01 | 8.8470e-003 |
| tblVehicleEF | HHD | 7.6000e-005 | 0.00 |
| tblVehicleEF | HHD | 6.2000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 2.0270e-003 | 3.0000e-005 |
| tblVehicleEF | HHD | 0.65 | 0.68 |
| tblVehicleEF | HHD | 3.9000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.10 | 0.05 |
| tblVehicleEF | HHD | 1.3800e-004 | 1.4700e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | HHD | 0.78 | 0.03 |
| tblVehicleEF | HHD | 0.03 | 0.03 |
| tblVehicleEF | HHD | 0.05 | 0.00 |
| tblVehicleEF | HHD | 1.53 | 8.76 |
| tblVehicleEF | HHD | 0.55 | 0.30 |
| tblVehicleEF | HHD | 1.53 | 2.1260e-003 |
| tblVehicleEF | HHD | 6,647.11 | 1,116.18 |
| tblVehicleEF | HHD | 1,396.15 | 957.25 |
| tblVehicleEF | HHD | 4.91 | 0.02 |
| tblVehicleEF | HHD | 17.97 | 6.75 |
| tblVehicleEF | HHD | 1.02 | 1.82 |

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|---|---|---|---|
| tblVehicleEF | HHD | 20.19 | 2.35 |
| tblVehicleEF | HHD | 1.4400e-003 | 2.2760e-003 |
| tblVehicleEF | HHD | 0.06 | 0.06 |
| tblVehicleEF | HHD | 0.04 | 0.04 |
| tblVehicleEF | HHD | 4.8890e-003 | 0.02 |
| tblVehicleEF | HHD | 6.1000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.3780e-003 | 2.1770e-003 |
| tblVehicleEF | HHD | 0.03 | 0.03 |
| tblVehicleEF | HHD | 8.8770e-003 | 8.9080e-003 |
| tblVehicleEF | HHD | 4.6770e-003 | 0.02 |
| tblVehicleEF | HHD | 5.6000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.1800e-004 | 2.0000e-006 |
| tblVehicleEF | HHD | 2.2440e-003 | 3.3000e-005 |
| tblVehicleEF | HHD | 0.53 | 0.63 |
| tblVehicleEF | HHD | 8.1000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.06 | 0.02 |
| tblVehicleEF | HHD | 1.3900e-004 | 1.4700e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | HHD | 0.06 | 0.01 |
| tblVehicleEF | HHD | 0.01 | 8.8470e-003 |
| tblVehicleEF | HHD | 7.4000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.1800e-004 | 2.0000e-006 |
| tblVehicleEF | HHD | 2.2440e-003 | 3.3000e-005 |
| tblVehicleEF | HHD | 0.61 | 0.72 |
| tblVehicleEF | HHD | 8.1000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.10 | 0.05 |
| tblVehicleEF | HHD | 1.3900e-004 | 1.4700e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | HHD | 0.89 | 0.03 |
| tblVehicleEF | HHD | 0.03 | 0.03 |

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|---|---|---|---|
| tblVehicleEF | HHD | 0.05 | 0.00 |
| tblVehicleEF | HHD | 2.91 | 9.03 |
| tblVehicleEF | HHD | 0.55 | 0.30 |
| tblVehicleEF | HHD | 1.61 | 2.2370e-003 |
| tblVehicleEF | HHD | 5,759.57 | 1,151.45 |
| tblVehicleEF | HHD | 1,396.15 | 957.24 |
| tblVehicleEF | HHD | 4.91 | 0.02 |
| tblVehicleEF | HHD | 16.63 | 7.59 |
| tblVehicleEF | HHD | 1.07 | 1.90 |
| tblVehicleEF | HHD | 20.19 | 2.35 |
| tblVehicleEF | HHD | 2.0790e-003 | 2.9560e-003 |
| tblVehicleEF | HHD | 0.06 | 0.06 |
| tblVehicleEF | HHD | 0.04 | 0.04 |
| tblVehicleEF | HHD | 4.8890e-003 | 0.02 |
| tblVehicleEF | HHD | 6.1000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.9890e-003 | 2.8280e-003 |
| tblVehicleEF | HHD | 0.03 | 0.03 |
| tblVehicleEF | HHD | 8.8770e-003 | 8.9080e-003 |
| tblVehicleEF | HHD | 4.6770e-003 | 0.02 |
| tblVehicleEF | HHD | 5.6000e-005 | 0.00 |
| tblVehicleEF | HHD | 5.7000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 2.1340e-003 | 3.1000e-005 |
| tblVehicleEF | HHD | 0.61 | 0.55 |
| tblVehicleEF | HHD | 3.7000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.06 | 0.02 |
| tblVehicleEF | HHD | 1.5100e-004 | 1.6100e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | HHD | 0.05 | 0.01 |
| tblVehicleEF | HHD | 0.01 | 8.8470e-003 |
| tblVehicleEF | HHD | 7.5000e-005 | 0.00 |

| | | | |
|---|---|---|---|
| tblVehicleEF | HHD | 5.7000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 2.1340e-003 | 3.1000e-005 |
| tblVehicleEF | HHD | 0.70 | 0.63 |
| tblVehicleEF | HHD | 3.7000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.10 | 0.05 |
| tblVehicleEF | HHD | 1.5100e-004 | 1.6100e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | LDA | 1.2210e-003 | 5.8400e-004 |
| tblVehicleEF | LDA | 4.7700e-004 | 0.02 |
| tblVehicleEF | LDA | 0.24 | 0.36 |
| tblVehicleEF | LDA | 0.30 | 1.26 |
| tblVehicleEF | LDA | 162.22 | 182.70 |
| tblVehicleEF | LDA | 34.63 | 35.74 |
| tblVehicleEF | LDA | 0.02 | 0.02 |
| tblVehicleEF | LDA | 0.01 | 0.11 |
| tblVehicleEF | LDA | 5.5000e-004 | 4.7100e-004 |
| tblVehicleEF | LDA | 7.9200e-004 | 6.0900e-004 |
| tblVehicleEF | LDA | 5.0600e-004 | 4.3300e-004 |
| tblVehicleEF | LDA | 7.2800e-004 | 5.6000e-004 |
| tblVehicleEF | LDA | 0.01 | 0.02 |
| tblVehicleEF | LDA | 0.03 | 0.03 |
| tblVehicleEF | LDA | 9.2080e-003 | 0.01 |
| tblVehicleEF | LDA | 3.0650e-003 | 1.6070e-003 |
| tblVehicleEF | LDA | 0.02 | 0.14 |
| tblVehicleEF | LDA | 6.4280e-003 | 0.06 |
| tblVehicleEF | LDA | 1.6220e-003 | 1.8070e-003 |
| tblVehicleEF | LDA | 3.5000e-004 | 3.5400e-004 |
| tblVehicleEF | LDA | 0.01 | 0.02 |
| tblVehicleEF | LDA | 0.03 | 0.03 |
| tblVehicleEF | LDA | 9.2080e-003 | 0.01 |

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|---|---|---|---|
| tblVehicleEF | LDA | 4.4570e-003 | 2.3290e-003 |
| tblVehicleEF | LDA | 0.02 | 0.14 |
| tblVehicleEF | LDA | 7.0380e-003 | 0.06 |
| tblVehicleEF | LDA | 1.3920e-003 | 6.7400e-004 |
| tblVehicleEF | LDA | 3.9800e-004 | 0.01 |
| tblVehicleEF | LDA | 0.30 | 0.45 |
| tblVehicleEF | LDA | 0.25 | 1.07 |
| tblVehicleEF | LDA | 177.52 | 199.49 |
| tblVehicleEF | LDA | 34.63 | 35.40 |
| tblVehicleEF | LDA | 0.02 | 0.01 |
| tblVehicleEF | LDA | 9.5520e-003 | 0.10 |
| tblVehicleEF | LDA | 5.5000e-004 | 4.7100e-004 |
| tblVehicleEF | LDA | 7.9200e-004 | 6.0900e-004 |
| tblVehicleEF | LDA | 5.0600e-004 | 4.3300e-004 |
| tblVehicleEF | LDA | 7.2800e-004 | 5.6000e-004 |
| tblVehicleEF | LDA | 0.02 | 0.03 |
| tblVehicleEF | LDA | 0.03 | 0.04 |
| tblVehicleEF | LDA | 0.02 | 0.03 |
| tblVehicleEF | LDA | 3.4880e-003 | 1.8230e-003 |
| tblVehicleEF | LDA | 0.02 | 0.14 |
| tblVehicleEF | LDA | 5.3660e-003 | 0.05 |
| tblVehicleEF | LDA | 1.7760e-003 | 1.9730e-003 |
| tblVehicleEF | LDA | 0.02 | 0.03 |
| tblVehicleEF | LDA | 0.03 | 0.04 |
| tblVehicleEF | LDA | 0.02 | 0.03 |
| tblVehicleEF | LDA | 5.0740e-003 | 2.6450e-003 |
| tblVehicleEF | LDA | 0.02 | 0.14 |
| tblVehicleEF | LDA | 5.8750e-003 | 0.05 |
| tblVehicleEF | LDA | 1.1890e-003 | 5.7000e-004 |
| tblVehicleEF | LDA | 4.7500e-004 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | LDA | 0.23 | 0.34 |
| tblVehicleEF | LDA | 0.29 | 1.24 |
| tblVehicleEF | LDA | 158.60 | 178.76 |
| tblVehicleEF | LDA | 34.63 | 35.71 |
| tblVehicleEF | LDA | 0.02 | 0.02 |
| tblVehicleEF | LDA | 0.01 | 0.11 |
| tblVehicleEF | LDA | 5.5000e-004 | 4.7100e-004 |
| tblVehicleEF | LDA | 7.9200e-004 | 6.0900e-004 |
| tblVehicleEF | LDA | 5.0600e-004 | 4.3300e-004 |
| tblVehicleEF | LDA | 7.2800e-004 | 5.6000e-004 |
| tblVehicleEF | LDA | 0.01 | 0.02 |
| tblVehicleEF | LDA | 0.03 | 0.03 |
| tblVehicleEF | LDA | 8.5160e-003 | 0.01 |
| tblVehicleEF | LDA | 2.9850e-003 | 1.5670e-003 |
| tblVehicleEF | LDA | 0.03 | 0.16 |
| tblVehicleEF | LDA | 6.4050e-003 | 0.06 |
| tblVehicleEF | LDA | 1.5860e-003 | 1.7680e-003 |
| tblVehicleEF | LDA | 3.5000e-004 | 3.5300e-004 |
| tblVehicleEF | LDA | 0.01 | 0.02 |
| tblVehicleEF | LDA | 0.03 | 0.03 |
| tblVehicleEF | LDA | 8.5160e-003 | 0.01 |
| tblVehicleEF | LDA | 4.3410e-003 | 2.2700e-003 |
| tblVehicleEF | LDA | 0.03 | 0.16 |
| tblVehicleEF | LDA | 7.0130e-003 | 0.06 |
| tblVehicleEF | LDT1 | 1.6300e-003 | 6.2400e-004 |
| tblVehicleEF | LDT1 | 6.5800e-004 | 0.02 |
| tblVehicleEF | LDT1 | 0.31 | 0.38 |
| tblVehicleEF | LDT1 | 0.38 | 1.33 |
| tblVehicleEF | LDT1 | 204.30 | 214.32 |
| tblVehicleEF | LDT1 | 44.26 | 42.86 |

| | | | |
|---|---|---|---|
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 0.01 | 0.12 |
| tblVehicleEF | LDT1 | 6.7600e-004 | 5.0100e-004 |
| tblVehicleEF | LDT1 | 9.9100e-004 | 6.6900e-004 |
| tblVehicleEF | LDT1 | 6.2200e-004 | 4.6000e-004 |
| tblVehicleEF | LDT1 | 9.1100e-004 | 6.1500e-004 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 0.04 | 0.04 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 4.0420e-003 | 1.7040e-003 |
| tblVehicleEF | LDT1 | 0.03 | 0.17 |
| tblVehicleEF | LDT1 | 8.8770e-003 | 0.06 |
| tblVehicleEF | LDT1 | 2.0440e-003 | 2.1210e-003 |
| tblVehicleEF | LDT1 | 4.4800e-004 | 4.2400e-004 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 0.04 | 0.04 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 5.8960e-003 | 2.4850e-003 |
| tblVehicleEF | LDT1 | 0.03 | 0.17 |
| tblVehicleEF | LDT1 | 9.7190e-003 | 0.07 |
| tblVehicleEF | LDT1 | 1.8530e-003 | 7.1900e-004 |
| tblVehicleEF | LDT1 | 5.5000e-004 | 0.02 |
| tblVehicleEF | LDT1 | 0.38 | 0.46 |
| tblVehicleEF | LDT1 | 0.31 | 1.12 |
| tblVehicleEF | LDT1 | 223.10 | 231.16 |
| tblVehicleEF | LDT1 | 44.26 | 42.50 |
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 0.01 | 0.11 |
| tblVehicleEF | LDT1 | 6.7600e-004 | 5.0100e-004 |
| tblVehicleEF | LDT1 | 9.9100e-004 | 6.6900e-004 |

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|---|---|---|---|
| tblVehicleEF | LDT1 | 6.2200e-004 | 4.6000e-004 |
| tblVehicleEF | LDT1 | 9.1100e-004 | 6.1500e-004 |
| tblVehicleEF | LDT1 | 0.04 | 0.06 |
| tblVehicleEF | LDT1 | 0.05 | 0.05 |
| tblVehicleEF | LDT1 | 0.04 | 0.05 |
| tblVehicleEF | LDT1 | 4.5930e-003 | 1.9360e-003 |
| tblVehicleEF | LDT1 | 0.03 | 0.17 |
| tblVehicleEF | LDT1 | 7.4160e-003 | 0.05 |
| tblVehicleEF | LDT1 | 2.2330e-003 | 2.2880e-003 |
| tblVehicleEF | LDT1 | 4.4700e-004 | 4.2100e-004 |
| tblVehicleEF | LDT1 | 0.04 | 0.06 |
| tblVehicleEF | LDT1 | 0.05 | 0.05 |
| tblVehicleEF | LDT1 | 0.04 | 0.05 |
| tblVehicleEF | LDT1 | 6.7000e-003 | 2.8240e-003 |
| tblVehicleEF | LDT1 | 0.03 | 0.17 |
| tblVehicleEF | LDT1 | 8.1200e-003 | 0.06 |
| tblVehicleEF | LDT1 | 1.5890e-003 | 6.0900e-004 |
| tblVehicleEF | LDT1 | 6.5600e-004 | 0.02 |
| tblVehicleEF | LDT1 | 0.29 | 0.36 |
| tblVehicleEF | LDT1 | 0.37 | 1.31 |
| tblVehicleEF | LDT1 | 199.87 | 210.33 |
| tblVehicleEF | LDT1 | 44.26 | 42.82 |
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 0.01 | 0.12 |
| tblVehicleEF | LDT1 | 6.7600e-004 | 5.0100e-004 |
| tblVehicleEF | LDT1 | 9.9100e-004 | 6.6900e-004 |
| tblVehicleEF | LDT1 | 6.2200e-004 | 4.6000e-004 |
| tblVehicleEF | LDT1 | 9.1100e-004 | 6.1500e-004 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 0.04 | 0.05 |

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|---|---|---|---|
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 3.9390e-003 | 1.6600e-003 |
| tblVehicleEF | LDT1 | 0.04 | 0.20 |
| tblVehicleEF | LDT1 | 8.8500e-003 | 0.06 |
| tblVehicleEF | LDT1 | 2.0000e-003 | 2.0810e-003 |
| tblVehicleEF | LDT1 | 4.4800e-004 | 4.2400e-004 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 0.04 | 0.05 |
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 5.7450e-003 | 2.4220e-003 |
| tblVehicleEF | LDT1 | 0.04 | 0.20 |
| tblVehicleEF | LDT1 | 9.6900e-003 | 0.07 |
| tblVehicleEF | LDT2 | 1.8520e-003 | 8.0800e-004 |
| tblVehicleEF | LDT2 | 9.4600e-004 | 0.02 |
| tblVehicleEF | LDT2 | 0.38 | 0.43 |
| tblVehicleEF | LDT2 | 0.46 | 1.70 |
| tblVehicleEF | LDT2 | 237.56 | 213.49 |
| tblVehicleEF | LDT2 | 51.25 | 42.77 |
| tblVehicleEF | LDT2 | 0.03 | 0.02 |
| tblVehicleEF | LDT2 | 0.02 | 0.11 |
| tblVehicleEF | LDT2 | 6.6300e-004 | 5.2800e-004 |
| tblVehicleEF | LDT2 | 9.5100e-004 | 6.3500e-004 |
| tblVehicleEF | LDT2 | 6.1000e-004 | 4.8700e-004 |
| tblVehicleEF | LDT2 | 8.7400e-004 | 5.8400e-004 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 0.04 | 0.04 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 4.6110e-003 | 2.4080e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.16 |
| tblVehicleEF | LDT2 | 0.01 | 0.08 |

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|---|---|---|---|
| tblVehicleEF | LDT2 | 2.3770e-003 | 2.1120e-003 |
| tblVehicleEF | LDT2 | 5.1900e-004 | 4.2300e-004 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 0.04 | 0.04 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 6.7180e-003 | 3.4670e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.16 |
| tblVehicleEF | LDT2 | 0.01 | 0.09 |
| tblVehicleEF | LDT2 | 2.1050e-003 | 9.3000e-004 |
| tblVehicleEF | LDT2 | 8.5200e-004 | 0.02 |
| tblVehicleEF | LDT2 | 0.46 | 0.53 |
| tblVehicleEF | LDT2 | 0.42 | 1.43 |
| tblVehicleEF | LDT2 | 259.40 | 228.68 |
| tblVehicleEF | LDT2 | 51.25 | 42.29 |
| tblVehicleEF | LDT2 | 0.02 | 0.02 |
| tblVehicleEF | LDT2 | 0.02 | 0.10 |
| tblVehicleEF | LDT2 | 6.6300e-004 | 5.2800e-004 |
| tblVehicleEF | LDT2 | 9.5100e-004 | 6.3500e-004 |
| tblVehicleEF | LDT2 | 6.1000e-004 | 4.8700e-004 |
| tblVehicleEF | LDT2 | 8.7400e-004 | 5.8400e-004 |
| tblVehicleEF | LDT2 | 0.04 | 0.07 |
| tblVehicleEF | LDT2 | 0.04 | 0.05 |
| tblVehicleEF | LDT2 | 0.04 | 0.06 |
| tblVehicleEF | LDT2 | 5.2360e-003 | 2.7170e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.16 |
| tblVehicleEF | LDT2 | 0.01 | 0.07 |
| tblVehicleEF | LDT2 | 2.5970e-003 | 2.2620e-003 |
| tblVehicleEF | LDT2 | 5.1800e-004 | 4.1800e-004 |
| tblVehicleEF | LDT2 | 0.04 | 0.07 |
| tblVehicleEF | LDT2 | 0.04 | 0.05 |

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|---|---|---|---|
| tblVehicleEF | LDT2 | 0.04 | 0.06 |
| tblVehicleEF | LDT2 | 7.6310e-003 | 3.9180e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.16 |
| tblVehicleEF | LDT2 | 0.01 | 0.08 |
| tblVehicleEF | LDT2 | 1.8040e-003 | 7.8800e-004 |
| tblVehicleEF | LDT2 | 9.4400e-004 | 0.02 |
| tblVehicleEF | LDT2 | 0.36 | 0.41 |
| tblVehicleEF | LDT2 | 0.46 | 1.68 |
| tblVehicleEF | LDT2 | 232.43 | 209.90 |
| tblVehicleEF | LDT2 | 51.25 | 42.73 |
| tblVehicleEF | LDT2 | 0.02 | 0.02 |
| tblVehicleEF | LDT2 | 0.02 | 0.11 |
| tblVehicleEF | LDT2 | 6.6300e-004 | 5.2800e-004 |
| tblVehicleEF | LDT2 | 9.5100e-004 | 6.3500e-004 |
| tblVehicleEF | LDT2 | 6.1000e-004 | 4.8700e-004 |
| tblVehicleEF | LDT2 | 8.7400e-004 | 5.8400e-004 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 0.04 | 0.04 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 4.4930e-003 | 2.3500e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.19 |
| tblVehicleEF | LDT2 | 0.01 | 0.08 |
| tblVehicleEF | LDT2 | 2.3260e-003 | 2.0760e-003 |
| tblVehicleEF | LDT2 | 5.1900e-004 | 4.2300e-004 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 0.04 | 0.04 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 6.5470e-003 | 3.3820e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.19 |
| tblVehicleEF | LDT2 | 0.01 | 0.09 |

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|---|---|---|---|
| tblVehicleEF | LHD1 | 2.3700e-003 | 3.1740e-003 |
| tblVehicleEF | LHD1 | 1.4740e-003 | 1.2820e-003 |
| tblVehicleEF | LHD1 | 2.4440e-003 | 4.6000e-003 |
| tblVehicleEF | LHD1 | 0.12 | 0.17 |
| tblVehicleEF | LHD1 | 0.15 | 0.13 |
| tblVehicleEF | LHD1 | 0.92 | 0.71 |
| tblVehicleEF | LHD1 | 8.77 | 7.34 |
| tblVehicleEF | LHD1 | 529.63 | 507.43 |
| tblVehicleEF | LHD1 | 20.81 | 8.07 |
| tblVehicleEF | LHD1 | 0.04 | 0.03 |
| tblVehicleEF | LHD1 | 0.06 | 0.08 |
| tblVehicleEF | LHD1 | 0.23 | 0.17 |
| tblVehicleEF | LHD1 | 5.9400e-004 | 1.0370e-003 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 3.7090e-003 | 3.0240e-003 |
| tblVehicleEF | LHD1 | 4.3300e-004 | 1.7200e-004 |
| tblVehicleEF | LHD1 | 5.6800e-004 | 9.9200e-004 |
| tblVehicleEF | LHD1 | 2.6620e-003 | 2.5100e-003 |
| tblVehicleEF | LHD1 | 3.5340e-003 | 2.8720e-003 |
| tblVehicleEF | LHD1 | 3.9800e-004 | 1.5800e-004 |
| tblVehicleEF | LHD1 | 8.8800e-004 | 1.1440e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 5.6300e-004 | 7.2100e-004 |
| tblVehicleEF | LHD1 | 0.02 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.14 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 8.6000e-005 | 7.1000e-005 |
| tblVehicleEF | LHD1 | 5.1590e-003 | 4.9370e-003 |
| tblVehicleEF | LHD1 | 2.2300e-004 | 8.0000e-005 |

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|---|---|---|---|
| tblVehicleEF | LHD1 | 8.8800e-004 | 1.1440e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.02 |
| tblVehicleEF | LHD1 | 5.6300e-004 | 7.2100e-004 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.14 |
| tblVehicleEF | LHD1 | 0.04 | 0.02 |
| tblVehicleEF | LHD1 | 2.3700e-003 | 3.1830e-003 |
| tblVehicleEF | LHD1 | 1.4850e-003 | 1.2960e-003 |
| tblVehicleEF | LHD1 | 2.3260e-003 | 4.3920e-003 |
| tblVehicleEF | LHD1 | 0.12 | 0.17 |
| tblVehicleEF | LHD1 | 0.15 | 0.13 |
| tblVehicleEF | LHD1 | 0.87 | 0.67 |
| tblVehicleEF | LHD1 | 8.77 | 7.34 |
| tblVehicleEF | LHD1 | 529.63 | 507.43 |
| tblVehicleEF | LHD1 | 20.81 | 8.00 |
| tblVehicleEF | LHD1 | 0.04 | 0.03 |
| tblVehicleEF | LHD1 | 0.05 | 0.08 |
| tblVehicleEF | LHD1 | 0.22 | 0.16 |
| tblVehicleEF | LHD1 | 5.9400e-004 | 1.0370e-003 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 3.7090e-003 | 3.0240e-003 |
| tblVehicleEF | LHD1 | 4.3300e-004 | 1.7200e-004 |
| tblVehicleEF | LHD1 | 5.6800e-004 | 9.9200e-004 |
| tblVehicleEF | LHD1 | 2.6620e-003 | 2.5100e-003 |
| tblVehicleEF | LHD1 | 3.5340e-003 | 2.8720e-003 |
| tblVehicleEF | LHD1 | 3.9800e-004 | 1.5800e-004 |
| tblVehicleEF | LHD1 | 1.6870e-003 | 2.1770e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |

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|---|---|---|---|
| tblVehicleEF | LHD1 | 1.1580e-003 | 1.4920e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.14 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 8.6000e-005 | 7.1000e-005 |
| tblVehicleEF | LHD1 | 5.1590e-003 | 4.9370e-003 |
| tblVehicleEF | LHD1 | 2.2200e-004 | 7.9000e-005 |
| tblVehicleEF | LHD1 | 1.6870e-003 | 2.1770e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.02 |
| tblVehicleEF | LHD1 | 1.1580e-003 | 1.4920e-003 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.14 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 2.3700e-003 | 3.1760e-003 |
| tblVehicleEF | LHD1 | 1.4760e-003 | 1.2840e-003 |
| tblVehicleEF | LHD1 | 2.4240e-003 | 4.5650e-003 |
| tblVehicleEF | LHD1 | 0.12 | 0.17 |
| tblVehicleEF | LHD1 | 0.15 | 0.13 |
| tblVehicleEF | LHD1 | 0.91 | 0.71 |
| tblVehicleEF | LHD1 | 8.77 | 7.34 |
| tblVehicleEF | LHD1 | 529.63 | 507.43 |
| tblVehicleEF | LHD1 | 20.81 | 8.05 |
| tblVehicleEF | LHD1 | 0.04 | 0.03 |
| tblVehicleEF | LHD1 | 0.06 | 0.08 |
| tblVehicleEF | LHD1 | 0.23 | 0.16 |
| tblVehicleEF | LHD1 | 5.9400e-004 | 1.0370e-003 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 3.7090e-003 | 3.0240e-003 |
| tblVehicleEF | LHD1 | 4.3300e-004 | 1.7200e-004 |

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|---|---|---|---|
| tblVehicleEF | LHD1 | 5.6800e-004 | 9.9200e-004 |
| tblVehicleEF | LHD1 | 2.6620e-003 | 2.5100e-003 |
| tblVehicleEF | LHD1 | 3.5340e-003 | 2.8720e-003 |
| tblVehicleEF | LHD1 | 3.9800e-004 | 1.5800e-004 |
| tblVehicleEF | LHD1 | 8.1600e-004 | 1.0590e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 5.4400e-004 | 6.9800e-004 |
| tblVehicleEF | LHD1 | 0.02 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.15 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 8.6000e-005 | 7.1000e-005 |
| tblVehicleEF | LHD1 | 5.1590e-003 | 4.9370e-003 |
| tblVehicleEF | LHD1 | 2.2300e-004 | 8.0000e-005 |
| tblVehicleEF | LHD1 | 8.1600e-004 | 1.0590e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.02 |
| tblVehicleEF | LHD1 | 5.4400e-004 | 6.9800e-004 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.15 |
| tblVehicleEF | LHD1 | 0.04 | 0.02 |
| tblVehicleEF | LHD2 | 2.0550e-003 | 1.9790e-003 |
| tblVehicleEF | LHD2 | 1.8190e-003 | 2.5960e-003 |
| tblVehicleEF | LHD2 | 0.12 | 0.13 |
| tblVehicleEF | LHD2 | 0.14 | 0.15 |
| tblVehicleEF | LHD2 | 0.80 | 0.41 |
| tblVehicleEF | LHD2 | 13.27 | 11.72 |
| tblVehicleEF | LHD2 | 561.63 | 502.29 |
| tblVehicleEF | LHD2 | 20.88 | 5.25 |
| tblVehicleEF | LHD2 | 0.04 | 0.05 |

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|---|---|---|---|
| tblVehicleEF | LHD2 | 0.04 | 0.11 |
| tblVehicleEF | LHD2 | 0.17 | 0.09 |
| tblVehicleEF | LHD2 | 8.2400e-004 | 1.5310e-003 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 4.5960e-003 | 8.9230e-003 |
| tblVehicleEF | LHD2 | 3.8600e-004 | 9.9000e-005 |
| tblVehicleEF | LHD2 | 7.8800e-004 | 1.4650e-003 |
| tblVehicleEF | LHD2 | 2.7120e-003 | 2.7250e-003 |
| tblVehicleEF | LHD2 | 4.3850e-003 | 8.5250e-003 |
| tblVehicleEF | LHD2 | 3.5500e-004 | 9.1000e-005 |
| tblVehicleEF | LHD2 | 5.9400e-004 | 6.6600e-004 |
| tblVehicleEF | LHD2 | 0.01 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 3.6900e-004 | 4.2000e-004 |
| tblVehicleEF | LHD2 | 0.02 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.08 |
| tblVehicleEF | LHD2 | 0.02 | 0.01 |
| tblVehicleEF | LHD2 | 1.2900e-004 | 1.1200e-004 |
| tblVehicleEF | LHD2 | 5.4560e-003 | 4.8380e-003 |
| tblVehicleEF | LHD2 | 2.2200e-004 | 5.2000e-005 |
| tblVehicleEF | LHD2 | 5.9400e-004 | 6.6600e-004 |
| tblVehicleEF | LHD2 | 0.01 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 3.6900e-004 | 4.2000e-004 |
| tblVehicleEF | LHD2 | 0.03 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.08 |
| tblVehicleEF | LHD2 | 0.03 | 0.01 |
| tblVehicleEF | LHD2 | 2.0550e-003 | 1.9840e-003 |
| tblVehicleEF | LHD2 | 1.4530e-003 | 1.4520e-003 |
| tblVehicleEF | LHD2 | 1.8170e-003 | 2.4780e-003 |

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|---|---|---|---|
| tblVehicleEF | LHD2 | 0.12 | 0.13 |
| tblVehicleEF | LHD2 | 0.14 | 0.15 |
| tblVehicleEF | LHD2 | 0.76 | 0.38 |
| tblVehicleEF | LHD2 | 13.27 | 11.72 |
| tblVehicleEF | LHD2 | 561.63 | 502.29 |
| tblVehicleEF | LHD2 | 20.88 | 5.21 |
| tblVehicleEF | LHD2 | 0.04 | 0.05 |
| tblVehicleEF | LHD2 | 0.03 | 0.10 |
| tblVehicleEF | LHD2 | 0.17 | 0.09 |
| tblVehicleEF | LHD2 | 8.2400e-004 | 1.5310e-003 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 4.5960e-003 | 8.9230e-003 |
| tblVehicleEF | LHD2 | 3.8600e-004 | 9.9000e-005 |
| tblVehicleEF | LHD2 | 7.8800e-004 | 1.4650e-003 |
| tblVehicleEF | LHD2 | 2.7120e-003 | 2.7250e-003 |
| tblVehicleEF | LHD2 | 4.3850e-003 | 8.5250e-003 |
| tblVehicleEF | LHD2 | 3.5500e-004 | 9.1000e-005 |
| tblVehicleEF | LHD2 | 1.1370e-003 | 1.2660e-003 |
| tblVehicleEF | LHD2 | 0.02 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 7.7700e-004 | 8.6800e-004 |
| tblVehicleEF | LHD2 | 0.02 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.08 |
| tblVehicleEF | LHD2 | 0.02 | 9.9950e-003 |
| tblVehicleEF | LHD2 | 1.2900e-004 | 1.1200e-004 |
| tblVehicleEF | LHD2 | 5.4560e-003 | 4.8380e-003 |
| tblVehicleEF | LHD2 | 2.2100e-004 | 5.2000e-005 |
| tblVehicleEF | LHD2 | 1.1370e-003 | 1.2660e-003 |
| tblVehicleEF | LHD2 | 0.02 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |

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|---|---|---|---|
| tblVehicleEF | LHD2 | 7.7700e-004 | 8.6800e-004 |
| tblVehicleEF | LHD2 | 0.03 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.08 |
| tblVehicleEF | LHD2 | 0.03 | 0.01 |
| tblVehicleEF | LHD2 | 2.0550e-003 | 1.9800e-003 |
| tblVehicleEF | LHD2 | 1.8190e-003 | 2.5760e-003 |
| tblVehicleEF | LHD2 | 0.12 | 0.13 |
| tblVehicleEF | LHD2 | 0.14 | 0.15 |
| tblVehicleEF | LHD2 | 0.79 | 0.40 |
| tblVehicleEF | LHD2 | 13.27 | 11.72 |
| tblVehicleEF | LHD2 | 561.63 | 502.29 |
| tblVehicleEF | LHD2 | 20.88 | 5.24 |
| tblVehicleEF | LHD2 | 0.04 | 0.05 |
| tblVehicleEF | LHD2 | 0.04 | 0.11 |
| tblVehicleEF | LHD2 | 0.17 | 0.09 |
| tblVehicleEF | LHD2 | 8.2400e-004 | 1.5310e-003 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 4.5960e-003 | 8.9230e-003 |
| tblVehicleEF | LHD2 | 3.8600e-004 | 9.9000e-005 |
| tblVehicleEF | LHD2 | 7.8800e-004 | 1.4650e-003 |
| tblVehicleEF | LHD2 | 2.7120e-003 | 2.7250e-003 |
| tblVehicleEF | LHD2 | 4.3850e-003 | 8.5250e-003 |
| tblVehicleEF | LHD2 | 3.5500e-004 | 9.1000e-005 |
| tblVehicleEF | LHD2 | 5.6000e-004 | 6.1500e-004 |
| tblVehicleEF | LHD2 | 0.01 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 3.5700e-004 | 4.0700e-004 |
| tblVehicleEF | LHD2 | 0.02 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.09 |
| tblVehicleEF | LHD2 | 0.02 | 0.01 |

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|---|---|---|---|
| tblVehicleEF | LHD2 | 1.2900e-004 | 1.1200e-004 |
| tblVehicleEF | LHD2 | 5.4560e-003 | 4.8380e-003 |
| tblVehicleEF | LHD2 | 2.2200e-004 | 5.2000e-005 |
| tblVehicleEF | LHD2 | 5.6000e-004 | 6.1500e-004 |
| tblVehicleEF | LHD2 | 0.01 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 3.5700e-004 | 4.0700e-004 |
| tblVehicleEF | LHD2 | 0.03 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.09 |
| tblVehicleEF | LHD2 | 0.03 | 0.01 |
| tblVehicleEF | MCY | 0.45 | 0.31 |
| tblVehicleEF | MCY | 0.15 | 0.23 |
| tblVehicleEF | MCY | 17.23 | 17.23 |
| tblVehicleEF | MCY | 10.21 | 9.09 |
| tblVehicleEF | MCY | 172.59 | 209.98 |
| tblVehicleEF | MCY | 40.72 | 56.78 |
| tblVehicleEF | MCY | 1.13 | 1.13 |
| tblVehicleEF | MCY | 0.31 | 0.27 |
| tblVehicleEF | MCY | 2.2430e-003 | 2.2380e-003 |
| tblVehicleEF | MCY | 3.3690e-003 | 2.9880e-003 |
| tblVehicleEF | MCY | 2.0910e-003 | 2.0860e-003 |
| tblVehicleEF | MCY | 3.1400e-003 | 2.7850e-003 |
| tblVehicleEF | MCY | 1.42 | 1.42 |
| tblVehicleEF | MCY | 0.71 | 0.72 |
| tblVehicleEF | MCY | 0.74 | 0.74 |
| tblVehicleEF | MCY | 2.08 | 2.08 |
| tblVehicleEF | MCY | 0.34 | 1.23 |
| tblVehicleEF | MCY | 1.98 | 1.76 |
| tblVehicleEF | MCY | 2.0700e-003 | 2.0780e-003 |
| tblVehicleEF | MCY | 6.3200e-004 | 5.6200e-004 |

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|---|---|---|---|
| tblVehicleEF | MCY | 1.42 | 1.42 |
| tblVehicleEF | MCY | 0.71 | 0.72 |
| tblVehicleEF | MCY | 0.74 | 0.74 |
| tblVehicleEF | MCY | 2.61 | 2.61 |
| tblVehicleEF | MCY | 0.34 | 1.23 |
| tblVehicleEF | MCY | 2.16 | 1.92 |
| tblVehicleEF | MCY | 0.45 | 0.31 |
| tblVehicleEF | MCY | 0.13 | 0.21 |
| tblVehicleEF | MCY | 17.39 | 17.39 |
| tblVehicleEF | MCY | 9.03 | 8.01 |
| tblVehicleEF | MCY | 172.59 | 210.12 |
| tblVehicleEF | MCY | 40.72 | 54.30 |
| tblVehicleEF | MCY | 0.96 | 0.96 |
| tblVehicleEF | MCY | 0.29 | 0.25 |
| tblVehicleEF | MCY | 2.2430e-003 | 2.2380e-003 |
| tblVehicleEF | MCY | 3.3690e-003 | 2.9880e-003 |
| tblVehicleEF | MCY | 2.0910e-003 | 2.0860e-003 |
| tblVehicleEF | MCY | 3.1400e-003 | 2.7850e-003 |
| tblVehicleEF | MCY | 3.03 | 3.05 |
| tblVehicleEF | MCY | 1.12 | 1.14 |
| tblVehicleEF | MCY | 1.95 | 1.97 |
| tblVehicleEF | MCY | 2.05 | 2.05 |
| tblVehicleEF | MCY | 0.34 | 1.23 |
| tblVehicleEF | MCY | 1.74 | 1.54 |
| tblVehicleEF | MCY | 2.0710e-003 | 2.0790e-003 |
| tblVehicleEF | MCY | 6.0500e-004 | 5.3700e-004 |
| tblVehicleEF | MCY | 3.03 | 3.05 |
| tblVehicleEF | MCY | 1.12 | 1.14 |
| tblVehicleEF | MCY | 1.95 | 1.97 |
| tblVehicleEF | MCY | 2.58 | 2.57 |

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|---|---|---|---|
| tblVehicleEF | MCY | 0.34 | 1.23 |
| tblVehicleEF | MCY | 1.89 | 1.68 |
| tblVehicleEF | MCY | 0.45 | 0.31 |
| tblVehicleEF | MCY | 0.14 | 0.23 |
| tblVehicleEF | MCY | 16.57 | 16.57 |
| tblVehicleEF | MCY | 9.90 | 8.79 |
| tblVehicleEF | MCY | 172.59 | 208.84 |
| tblVehicleEF | MCY | 40.72 | 56.14 |
| tblVehicleEF | MCY | 1.09 | 1.09 |
| tblVehicleEF | MCY | 0.31 | 0.26 |
| tblVehicleEF | MCY | 2.2430e-003 | 2.2380e-003 |
| tblVehicleEF | MCY | 3.3690e-003 | 2.9880e-003 |
| tblVehicleEF | MCY | 2.0910e-003 | 2.0860e-003 |
| tblVehicleEF | MCY | 3.1400e-003 | 2.7850e-003 |
| tblVehicleEF | MCY | 1.64 | 1.65 |
| tblVehicleEF | MCY | 0.93 | 0.94 |
| tblVehicleEF | MCY | 0.65 | 0.66 |
| tblVehicleEF | MCY | 2.06 | 2.05 |
| tblVehicleEF | MCY | 0.40 | 1.45 |
| tblVehicleEF | MCY | 1.94 | 1.71 |
| tblVehicleEF | MCY | 2.0590e-003 | 2.0670e-003 |
| tblVehicleEF | MCY | 6.2600e-004 | 5.5600e-004 |
| tblVehicleEF | MCY | 1.64 | 1.65 |
| tblVehicleEF | MCY | 0.93 | 0.94 |
| tblVehicleEF | MCY | 0.65 | 0.66 |
| tblVehicleEF | MCY | 2.58 | 2.58 |
| tblVehicleEF | MCY | 0.40 | 1.45 |
| tblVehicleEF | MCY | 2.11 | 1.87 |
| tblVehicleEF | MDV | 2.0300e-003 | 8.0100e-004 |
| tblVehicleEF | MDV | 1.1120e-003 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | MDV | 0.41 | 0.42 |
| tblVehicleEF | MDV | 0.52 | 1.66 |
| tblVehicleEF | MDV | 308.49 | 257.45 |
| tblVehicleEF | MDV | 65.25 | 50.34 |
| tblVehicleEF | MDV | 0.03 | 0.02 |
| tblVehicleEF | MDV | 0.02 | 0.12 |
| tblVehicleEF | MDV | 6.8600e-004 | 5.0200e-004 |
| tblVehicleEF | MDV | 9.7200e-004 | 6.1900e-004 |
| tblVehicleEF | MDV | 6.3200e-004 | 4.6300e-004 |
| tblVehicleEF | MDV | 8.9400e-004 | 5.6900e-004 |
| tblVehicleEF | MDV | 0.05 | 0.06 |
| tblVehicleEF | MDV | 0.07 | 0.06 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 5.1430e-003 | 2.4100e-003 |
| tblVehicleEF | MDV | 0.04 | 0.16 |
| tblVehicleEF | MDV | 0.02 | 0.08 |
| tblVehicleEF | MDV | 3.0820e-003 | 2.5440e-003 |
| tblVehicleEF | MDV | 6.6000e-004 | 4.9800e-004 |
| tblVehicleEF | MDV | 0.05 | 0.06 |
| tblVehicleEF | MDV | 0.07 | 0.06 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 7.4620e-003 | 3.4640e-003 |
| tblVehicleEF | MDV | 0.04 | 0.16 |
| tblVehicleEF | MDV | 0.02 | 0.09 |
| tblVehicleEF | MDV | 2.3040e-003 | 9.2200e-004 |
| tblVehicleEF | MDV | 9.9100e-004 | 0.02 |
| tblVehicleEF | MDV | 0.50 | 0.52 |
| tblVehicleEF | MDV | 0.47 | 1.39 |
| tblVehicleEF | MDV | 335.87 | 272.21 |
| tblVehicleEF | MDV | 65.25 | 49.87 |

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|---|---|---|---|
| tblVehicleEF | MDV | 0.02 | 0.02 |
| tblVehicleEF | MDV | 0.02 | 0.11 |
| tblVehicleEF | MDV | 6.8600e-004 | 5.0200e-004 |
| tblVehicleEF | MDV | 9.7200e-004 | 6.1900e-004 |
| tblVehicleEF | MDV | 6.3200e-004 | 4.6300e-004 |
| tblVehicleEF | MDV | 8.9400e-004 | 5.6900e-004 |
| tblVehicleEF | MDV | 0.10 | 0.11 |
| tblVehicleEF | MDV | 0.08 | 0.07 |
| tblVehicleEF | MDV | 0.09 | 0.11 |
| tblVehicleEF | MDV | 5.8210e-003 | 2.7160e-003 |
| tblVehicleEF | MDV | 0.04 | 0.16 |
| tblVehicleEF | MDV | 0.01 | 0.07 |
| tblVehicleEF | MDV | 3.3570e-003 | 2.6900e-003 |
| tblVehicleEF | MDV | 6.5900e-004 | 4.9300e-004 |
| tblVehicleEF | MDV | 0.10 | 0.11 |
| tblVehicleEF | MDV | 0.08 | 0.07 |
| tblVehicleEF | MDV | 0.09 | 0.11 |
| tblVehicleEF | MDV | 8.4510e-003 | 3.9120e-003 |
| tblVehicleEF | MDV | 0.04 | 0.16 |
| tblVehicleEF | MDV | 0.01 | 0.07 |
| tblVehicleEF | MDV | 1.9790e-003 | 7.8200e-004 |
| tblVehicleEF | MDV | 1.1100e-003 | 0.02 |
| tblVehicleEF | MDV | 0.39 | 0.40 |
| tblVehicleEF | MDV | 0.52 | 1.63 |
| tblVehicleEF | MDV | 302.11 | 253.97 |
| tblVehicleEF | MDV | 65.25 | 50.29 |
| tblVehicleEF | MDV | 0.03 | 0.02 |
| tblVehicleEF | MDV | 0.02 | 0.11 |
| tblVehicleEF | MDV | 6.8600e-004 | 5.0200e-004 |
| tblVehicleEF | MDV | 9.7200e-004 | 6.1900e-004 |

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|---|---|---|---|
| tblVehicleEF | MDV | 6.3200e-004 | 4.6300e-004 |
| tblVehicleEF | MDV | 8.9400e-004 | 5.6900e-004 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 0.08 | 0.06 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 5.0170e-003 | 2.3530e-003 |
| tblVehicleEF | MDV | 0.04 | 0.19 |
| tblVehicleEF | MDV | 0.01 | 0.08 |
| tblVehicleEF | MDV | 3.0180e-003 | 2.5090e-003 |
| tblVehicleEF | MDV | 6.6000e-004 | 4.9800e-004 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 0.08 | 0.06 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 7.2770e-003 | 3.3810e-003 |
| tblVehicleEF | MDV | 0.04 | 0.19 |
| tblVehicleEF | MDV | 0.02 | 0.09 |
| tblVehicleEF | MH | 3.0780e-003 | 1.9990e-003 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 0.14 | 0.12 |
| tblVehicleEF | MH | 3.02 | 1.12 |
| tblVehicleEF | MH | 1,013.72 | 1,146.94 |
| tblVehicleEF | MH | 55.50 | 12.67 |
| tblVehicleEF | MH | 0.48 | 0.71 |
| tblVehicleEF | MH | 0.50 | 0.17 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 4.3110e-003 | 5.8600e-003 |
| tblVehicleEF | MH | 8.9400e-004 | 2.1300e-004 |
| tblVehicleEF | MH | 3.2190e-003 | 3.3080e-003 |
| tblVehicleEF | MH | 4.0920e-003 | 5.5770e-003 |
| tblVehicleEF | MH | 8.2200e-004 | 1.9600e-004 |

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|---|---|---|---|
| tblVehicleEF | MH | 0.37 | 0.31 |
| tblVehicleEF | MH | 0.02 | 0.01 |
| tblVehicleEF | MH | 0.18 | 0.15 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 2.7260e-003 | 0.17 |
| tblVehicleEF | MH | 0.18 | 0.06 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 6.0700e-004 | 1.2500e-004 |
| tblVehicleEF | MH | 0.37 | 0.31 |
| tblVehicleEF | MH | 0.02 | 0.01 |
| tblVehicleEF | MH | 0.18 | 0.15 |
| tblVehicleEF | MH | 0.02 | 0.02 |
| tblVehicleEF | MH | 2.7260e-003 | 0.17 |
| tblVehicleEF | MH | 0.20 | 0.07 |
| tblVehicleEF | MH | 3.1500e-003 | 2.0350e-003 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 0.14 | 0.13 |
| tblVehicleEF | MH | 2.77 | 1.03 |
| tblVehicleEF | MH | 1,013.72 | 1,146.94 |
| tblVehicleEF | MH | 55.50 | 12.51 |
| tblVehicleEF | MH | 0.44 | 0.65 |
| tblVehicleEF | MH | 0.48 | 0.17 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 4.3110e-003 | 5.8600e-003 |
| tblVehicleEF | MH | 8.9400e-004 | 2.1300e-004 |
| tblVehicleEF | MH | 3.2190e-003 | 3.3080e-003 |
| tblVehicleEF | MH | 4.0920e-003 | 5.5770e-003 |
| tblVehicleEF | MH | 8.2200e-004 | 1.9600e-004 |
| tblVehicleEF | MH | 0.70 | 0.59 |
| tblVehicleEF | MH | 0.02 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | MH | 0.37 | 0.31 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 2.7150e-003 | 0.17 |
| tblVehicleEF | MH | 0.17 | 0.06 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 6.0300e-004 | 1.2400e-004 |
| tblVehicleEF | MH | 0.70 | 0.59 |
| tblVehicleEF | MH | 0.02 | 0.02 |
| tblVehicleEF | MH | 0.37 | 0.31 |
| tblVehicleEF | MH | 0.02 | 0.02 |
| tblVehicleEF | MH | 2.7150e-003 | 0.17 |
| tblVehicleEF | MH | 0.19 | 0.06 |
| tblVehicleEF | MH | 3.0850e-003 | 2.0030e-003 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 0.14 | 0.12 |
| tblVehicleEF | MH | 3.00 | 1.12 |
| tblVehicleEF | MH | 1,013.72 | 1,146.94 |
| tblVehicleEF | MH | 55.50 | 12.66 |
| tblVehicleEF | MH | 0.47 | 0.69 |
| tblVehicleEF | MH | 0.50 | 0.17 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 4.3110e-003 | 5.8600e-003 |
| tblVehicleEF | MH | 8.9400e-004 | 2.1300e-004 |
| tblVehicleEF | MH | 3.2190e-003 | 3.3080e-003 |
| tblVehicleEF | MH | 4.0920e-003 | 5.5770e-003 |
| tblVehicleEF | MH | 8.2200e-004 | 1.9600e-004 |
| tblVehicleEF | MH | 0.35 | 0.29 |
| tblVehicleEF | MH | 0.02 | 0.01 |
| tblVehicleEF | MH | 0.17 | 0.14 |
| tblVehicleEF | MH | 0.01 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | MH | 2.9270e-003 | 0.18 |
| tblVehicleEF | MH | 0.18 | 0.06 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 6.0700e-004 | 1.2500e-004 |
| tblVehicleEF | MH | 0.35 | 0.29 |
| tblVehicleEF | MH | 0.02 | 0.01 |
| tblVehicleEF | MH | 0.17 | 0.14 |
| tblVehicleEF | MH | 0.02 | 0.02 |
| tblVehicleEF | MH | 2.9270e-003 | 0.18 |
| tblVehicleEF | MH | 0.20 | 0.07 |
| tblVehicleEF | MHD | 0.02 | 2.9730e-003 |
| tblVehicleEF | MHD | 1.5750e-003 | 4.9600e-004 |
| tblVehicleEF | MHD | 0.03 | 5.8120e-003 |
| tblVehicleEF | MHD | 0.29 | 0.32 |
| tblVehicleEF | MHD | 0.16 | 0.08 |
| tblVehicleEF | MHD | 2.26 | 0.44 |
| tblVehicleEF | MHD | 153.75 | 46.82 |
| tblVehicleEF | MHD | 1,078.59 | 773.61 |
| tblVehicleEF | MHD | 47.29 | 5.46 |
| tblVehicleEF | MHD | 0.40 | 0.25 |
| tblVehicleEF | MHD | 0.53 | 0.98 |
| tblVehicleEF | MHD | 11.96 | 1.84 |
| tblVehicleEF | MHD | 3.0000e-005 | 6.3000e-005 |
| tblVehicleEF | MHD | 2.6280e-003 | 7.4750e-003 |
| tblVehicleEF | MHD | 6.9500e-004 | 8.5000e-005 |
| tblVehicleEF | MHD | 2.9000e-005 | 6.0000e-005 |
| tblVehicleEF | MHD | 2.5110e-003 | 7.1470e-003 |
| tblVehicleEF | MHD | 6.3900e-004 | 7.8000e-005 |
| tblVehicleEF | MHD | 6.7900e-004 | 2.9800e-004 |
| tblVehicleEF | MHD | 0.02 | 9.7430e-003 |

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|---|---|---|---|
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 4.2500e-004 | 1.8700e-004 |
| tblVehicleEF | MHD | 0.03 | 7.2500e-003 |
| tblVehicleEF | MHD | 8.9470e-003 | 0.05 |
| tblVehicleEF | MHD | 0.15 | 0.03 |
| tblVehicleEF | MHD | 1.4770e-003 | 4.4400e-004 |
| tblVehicleEF | MHD | 0.01 | 7.3750e-003 |
| tblVehicleEF | MHD | 5.1300e-004 | 5.4000e-005 |
| tblVehicleEF | MHD | 6.7900e-004 | 2.9800e-004 |
| tblVehicleEF | MHD | 0.02 | 9.7430e-003 |
| tblVehicleEF | MHD | 0.03 | 0.02 |
| tblVehicleEF | MHD | 4.2500e-004 | 1.8700e-004 |
| tblVehicleEF | MHD | 0.03 | 8.4700e-003 |
| tblVehicleEF | MHD | 8.9470e-003 | 0.05 |
| tblVehicleEF | MHD | 0.17 | 0.03 |
| tblVehicleEF | MHD | 0.02 | 2.8360e-003 |
| tblVehicleEF | MHD | 1.5840e-003 | 5.0200e-004 |
| tblVehicleEF | MHD | 0.02 | 5.5560e-003 |
| tblVehicleEF | MHD | 0.21 | 0.28 |
| tblVehicleEF | MHD | 0.16 | 0.08 |
| tblVehicleEF | MHD | 2.11 | 0.41 |
| tblVehicleEF | MHD | 162.86 | 46.34 |
| tblVehicleEF | MHD | 1,078.59 | 773.61 |
| tblVehicleEF | MHD | 47.29 | 5.41 |
| tblVehicleEF | MHD | 0.41 | 0.24 |
| tblVehicleEF | MHD | 0.50 | 0.92 |
| tblVehicleEF | MHD | 11.95 | 1.84 |
| tblVehicleEF | MHD | 2.6000e-005 | 5.6000e-005 |
| tblVehicleEF | MHD | 2.6280e-003 | 7.4750e-003 |
| tblVehicleEF | MHD | 6.9500e-004 | 8.5000e-005 |

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|---|---|---|---|
| tblVehicleEF | MHD | 2.5000e-005 | 5.3000e-005 |
| tblVehicleEF | MHD | 2.5110e-003 | 7.1470e-003 |
| tblVehicleEF | MHD | 6.3900e-004 | 7.8000e-005 |
| tblVehicleEF | MHD | 1.2990e-003 | 5.6800e-004 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 8.9000e-004 | 3.8900e-004 |
| tblVehicleEF | MHD | 0.03 | 7.2680e-003 |
| tblVehicleEF | MHD | 8.9680e-003 | 0.05 |
| tblVehicleEF | MHD | 0.15 | 0.03 |
| tblVehicleEF | MHD | 1.5630e-003 | 4.4000e-004 |
| tblVehicleEF | MHD | 0.01 | 7.3750e-003 |
| tblVehicleEF | MHD | 5.1000e-004 | 5.4000e-005 |
| tblVehicleEF | MHD | 1.2990e-003 | 5.6800e-004 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 0.03 | 0.02 |
| tblVehicleEF | MHD | 8.9000e-004 | 3.8900e-004 |
| tblVehicleEF | MHD | 0.03 | 8.4970e-003 |
| tblVehicleEF | MHD | 8.9680e-003 | 0.05 |
| tblVehicleEF | MHD | 0.16 | 0.03 |
| tblVehicleEF | MHD | 0.02 | 3.1790e-003 |
| tblVehicleEF | MHD | 1.5760e-003 | 4.9600e-004 |
| tblVehicleEF | MHD | 0.03 | 5.7400e-003 |
| tblVehicleEF | MHD | 0.41 | 0.38 |
| tblVehicleEF | MHD | 0.16 | 0.08 |
| tblVehicleEF | MHD | 2.22 | 0.43 |
| tblVehicleEF | MHD | 141.16 | 47.47 |
| tblVehicleEF | MHD | 1,078.59 | 773.61 |
| tblVehicleEF | MHD | 47.29 | 5.45 |
| tblVehicleEF | MHD | 0.38 | 0.27 |

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|---|---|---|---|
| tblVehicleEF | MHD | 0.52 | 0.96 |
| tblVehicleEF | MHD | 11.96 | 1.84 |
| tblVehicleEF | MHD | 3.7000e-005 | 7.2000e-005 |
| tblVehicleEF | MHD | 2.6280e-003 | 7.4750e-003 |
| tblVehicleEF | MHD | 6.9500e-004 | 8.5000e-005 |
| tblVehicleEF | MHD | 3.5000e-005 | 6.9000e-005 |
| tblVehicleEF | MHD | 2.5110e-003 | 7.1470e-003 |
| tblVehicleEF | MHD | 6.3900e-004 | 7.8000e-005 |
| tblVehicleEF | MHD | 6.3300e-004 | 2.7700e-004 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 4.1100e-004 | 1.8000e-004 |
| tblVehicleEF | MHD | 0.03 | 7.2520e-003 |
| tblVehicleEF | MHD | 9.7910e-003 | 0.05 |
| tblVehicleEF | MHD | 0.15 | 0.03 |
| tblVehicleEF | MHD | 1.3580e-003 | 4.5000e-004 |
| tblVehicleEF | MHD | 0.01 | 7.3750e-003 |
| tblVehicleEF | MHD | 5.1200e-004 | 5.4000e-005 |
| tblVehicleEF | MHD | 6.3300e-004 | 2.7700e-004 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 0.03 | 0.02 |
| tblVehicleEF | MHD | 4.1100e-004 | 1.8000e-004 |
| tblVehicleEF | MHD | 0.03 | 8.4730e-003 |
| tblVehicleEF | MHD | 9.7910e-003 | 0.05 |
| tblVehicleEF | MHD | 0.17 | 0.03 |
| tblVehicleEF | OBUS | 0.01 | 9.0480e-003 |
| tblVehicleEF | OBUS | 2.8630e-003 | 1.1380e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.24 | 0.55 |
| tblVehicleEF | OBUS | 0.18 | 0.13 |

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|---|---|---|---|
| tblVehicleEF | OBUS | 3.71 | 1.30 |
| tblVehicleEF | OBUS | 63.70 | 61.60 |
| tblVehicleEF | OBUS | 1,099.49 | 1,126.05 |
| tblVehicleEF | OBUS | 67.73 | 14.87 |
| tblVehicleEF | OBUS | 0.13 | 0.28 |
| tblVehicleEF | OBUS | 0.31 | 0.92 |
| tblVehicleEF | OBUS | 1.58 | 0.83 |
| tblVehicleEF | OBUS | 1.1000e-005 | 9.6000e-005 |
| tblVehicleEF | OBUS | 2.0010e-003 | 6.6340e-003 |
| tblVehicleEF | OBUS | 1.0960e-003 | 2.3300e-004 |
| tblVehicleEF | OBUS | 1.1000e-005 | 9.1000e-005 |
| tblVehicleEF | OBUS | 1.8890e-003 | 6.3250e-003 |
| tblVehicleEF | OBUS | 1.0080e-003 | 2.1400e-004 |
| tblVehicleEF | OBUS | 1.7850e-003 | 1.8400e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.03 | 0.05 |
| tblVehicleEF | OBUS | 8.4700e-004 | 8.8800e-004 |
| tblVehicleEF | OBUS | 0.02 | 8.2420e-003 |
| tblVehicleEF | OBUS | 0.05 | 0.21 |
| tblVehicleEF | OBUS | 0.25 | 0.08 |
| tblVehicleEF | OBUS | 6.2000e-004 | 5.8700e-004 |
| tblVehicleEF | OBUS | 0.01 | 0.01 |
| tblVehicleEF | OBUS | 7.4200e-004 | 1.4700e-004 |
| tblVehicleEF | OBUS | 1.7850e-003 | 1.8400e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.04 | 0.06 |
| tblVehicleEF | OBUS | 8.4700e-004 | 8.8800e-004 |
| tblVehicleEF | OBUS | 0.02 | 0.01 |
| tblVehicleEF | OBUS | 0.05 | 0.21 |
| tblVehicleEF | OBUS | 0.27 | 0.09 |

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|---|---|---|---|
| tblVehicleEF | OBUS | 0.01 | 9.1370e-003 |
| tblVehicleEF | OBUS | 2.9230e-003 | 1.1660e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.24 | 0.54 |
| tblVehicleEF | OBUS | 0.18 | 0.13 |
| tblVehicleEF | OBUS | 3.41 | 1.20 |
| tblVehicleEF | OBUS | 66.50 | 60.92 |
| tblVehicleEF | OBUS | 1,099.49 | 1,126.06 |
| tblVehicleEF | OBUS | 67.73 | 14.69 |
| tblVehicleEF | OBUS | 0.13 | 0.27 |
| tblVehicleEF | OBUS | 0.29 | 0.85 |
| tblVehicleEF | OBUS | 1.55 | 0.82 |
| tblVehicleEF | OBUS | 1.0000e-005 | 8.5000e-005 |
| tblVehicleEF | OBUS | 2.0010e-003 | 6.6340e-003 |
| tblVehicleEF | OBUS | 1.0960e-003 | 2.3300e-004 |
| tblVehicleEF | OBUS | 9.0000e-006 | 8.1000e-005 |
| tblVehicleEF | OBUS | 1.8890e-003 | 6.3250e-003 |
| tblVehicleEF | OBUS | 1.0080e-003 | 2.1400e-004 |
| tblVehicleEF | OBUS | 3.4090e-003 | 3.4870e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.03 | 0.05 |
| tblVehicleEF | OBUS | 1.8280e-003 | 1.8700e-003 |
| tblVehicleEF | OBUS | 0.02 | 8.3270e-003 |
| tblVehicleEF | OBUS | 0.05 | 0.21 |
| tblVehicleEF | OBUS | 0.23 | 0.08 |
| tblVehicleEF | OBUS | 6.4700e-004 | 5.8100e-004 |
| tblVehicleEF | OBUS | 0.01 | 0.01 |
| tblVehicleEF | OBUS | 7.3700e-004 | 1.4500e-004 |
| tblVehicleEF | OBUS | 3.4090e-003 | 3.4870e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | OBUS | 0.04 | 0.07 |
| tblVehicleEF | OBUS | 1.8280e-003 | 1.8700e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.01 |
| tblVehicleEF | OBUS | 0.05 | 0.21 |
| tblVehicleEF | OBUS | 0.26 | 0.08 |
| tblVehicleEF | OBUS | 0.01 | 8.9730e-003 |
| tblVehicleEF | OBUS | 2.8700e-003 | 1.1410e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.25 | 0.55 |
| tblVehicleEF | OBUS | 0.18 | 0.13 |
| tblVehicleEF | OBUS | 3.68 | 1.29 |
| tblVehicleEF | OBUS | 59.84 | 62.53 |
| tblVehicleEF | OBUS | 1,099.49 | 1,126.05 |
| tblVehicleEF | OBUS | 67.73 | 14.86 |
| tblVehicleEF | OBUS | 0.12 | 0.30 |
| tblVehicleEF | OBUS | 0.30 | 0.90 |
| tblVehicleEF | OBUS | 1.57 | 0.83 |
| tblVehicleEF | OBUS | 1.4000e-005 | 1.1000e-004 |
| tblVehicleEF | OBUS | 2.0010e-003 | 6.6340e-003 |
| tblVehicleEF | OBUS | 1.0960e-003 | 2.3300e-004 |
| tblVehicleEF | OBUS | 1.3000e-005 | 1.0500e-004 |
| tblVehicleEF | OBUS | 1.8890e-003 | 6.3250e-003 |
| tblVehicleEF | OBUS | 1.0080e-003 | 2.1400e-004 |
| tblVehicleEF | OBUS | 1.7080e-003 | 1.7150e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.03 | 0.05 |
| tblVehicleEF | OBUS | 8.2900e-004 | 8.6700e-004 |
| tblVehicleEF | OBUS | 0.02 | 8.2510e-003 |
| tblVehicleEF | OBUS | 0.05 | 0.22 |
| tblVehicleEF | OBUS | 0.25 | 0.08 |

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|---|---|---|---|
| tblVehicleEF | OBUS | 5.8300e-004 | 5.9600e-004 |
| tblVehicleEF | OBUS | 0.01 | 0.01 |
| tblVehicleEF | OBUS | 7.4200e-004 | 1.4700e-004 |
| tblVehicleEF | OBUS | 1.7080e-003 | 1.7150e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.05 | 0.06 |
| tblVehicleEF | OBUS | 8.2900e-004 | 8.6700e-004 |
| tblVehicleEF | OBUS | 0.02 | 0.01 |
| tblVehicleEF | OBUS | 0.05 | 0.22 |
| tblVehicleEF | OBUS | 0.27 | 0.09 |
| tblVehicleEF | SBUS | 0.84 | 0.07 |
| tblVehicleEF | SBUS | 3.4940e-003 | 1.1460e-003 |
| tblVehicleEF | SBUS | 0.05 | 5.9990e-003 |
| tblVehicleEF | SBUS | 7.49 | 3.27 |
| tblVehicleEF | SBUS | 0.27 | 0.15 |
| tblVehicleEF | SBUS | 5.31 | 0.67 |
| tblVehicleEF | SBUS | 1,041.59 | 264.71 |
| tblVehicleEF | SBUS | 1,009.44 | 797.71 |
| tblVehicleEF | SBUS | 51.04 | 4.32 |
| tblVehicleEF | SBUS | 2.26 | 1.21 |
| tblVehicleEF | SBUS | 0.89 | 1.27 |
| tblVehicleEF | SBUS | 12.25 | 1.95 |
| tblVehicleEF | SBUS | 1.6700e-004 | 2.9600e-004 |
| tblVehicleEF | SBUS | 0.01 | 0.01 |
| tblVehicleEF | SBUS | 2.6080e-003 | 3.2600e-003 |
| tblVehicleEF | SBUS | 1.1460e-003 | 8.6000e-005 |
| tblVehicleEF | SBUS | 1.6000e-004 | 2.8300e-004 |
| tblVehicleEF | SBUS | 2.6280e-003 | 2.6360e-003 |
| tblVehicleEF | SBUS | 2.4730e-003 | 3.0970e-003 |
| tblVehicleEF | SBUS | 1.0540e-003 | 7.9000e-005 |

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|---|---|---|---|
| tblVehicleEF | SBUS | 4.8020e-003 | 1.5390e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 0.91 | 0.33 |
| tblVehicleEF | SBUS | 2.3030e-003 | 7.4500e-004 |
| tblVehicleEF | SBUS | 0.04 | 9.8310e-003 |
| tblVehicleEF | SBUS | 0.02 | 0.07 |
| tblVehicleEF | SBUS | 0.30 | 0.03 |
| tblVehicleEF | SBUS | 0.01 | 2.5280e-003 |
| tblVehicleEF | SBUS | 9.7350e-003 | 7.6480e-003 |
| tblVehicleEF | SBUS | 6.0300e-004 | 4.3000e-005 |
| tblVehicleEF | SBUS | 4.8020e-003 | 1.5390e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 1.32 | 0.48 |
| tblVehicleEF | SBUS | 2.3030e-003 | 7.4500e-004 |
| tblVehicleEF | SBUS | 0.05 | 0.01 |
| tblVehicleEF | SBUS | 0.02 | 0.07 |
| tblVehicleEF | SBUS | 0.32 | 0.04 |
| tblVehicleEF | SBUS | 0.84 | 0.07 |
| tblVehicleEF | SBUS | 3.5520e-003 | 1.1750e-003 |
| tblVehicleEF | SBUS | 0.04 | 4.8670e-003 |
| tblVehicleEF | SBUS | 7.45 | 3.25 |
| tblVehicleEF | SBUS | 0.27 | 0.16 |
| tblVehicleEF | SBUS | 3.62 | 0.46 |
| tblVehicleEF | SBUS | 1,088.52 | 261.66 |
| tblVehicleEF | SBUS | 1,009.44 | 797.72 |
| tblVehicleEF | SBUS | 51.04 | 3.96 |
| tblVehicleEF | SBUS | 2.33 | 1.15 |
| tblVehicleEF | SBUS | 0.84 | 1.19 |
| tblVehicleEF | SBUS | 12.23 | 1.94 |
| tblVehicleEF | SBUS | 1.4100e-004 | 2.6300e-004 |

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|---|---|---|---|
| tblVehicleEF | SBUS | 0.01 | 0.01 |
| tblVehicleEF | SBUS | 2.6080e-003 | 3.2600e-003 |
| tblVehicleEF | SBUS | 1.1460e-003 | 8.6000e-005 |
| tblVehicleEF | SBUS | 1.3500e-004 | 2.5200e-004 |
| tblVehicleEF | SBUS | 2.6280e-003 | 2.6360e-003 |
| tblVehicleEF | SBUS | 2.4730e-003 | 3.0970e-003 |
| tblVehicleEF | SBUS | 1.0540e-003 | 7.9000e-005 |
| tblVehicleEF | SBUS | 9.1300e-003 | 2.9130e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 0.91 | 0.33 |
| tblVehicleEF | SBUS | 4.8940e-003 | 1.5610e-003 |
| tblVehicleEF | SBUS | 0.04 | 9.9490e-003 |
| tblVehicleEF | SBUS | 0.01 | 0.06 |
| tblVehicleEF | SBUS | 0.24 | 0.03 |
| tblVehicleEF | SBUS | 0.01 | 2.4990e-003 |
| tblVehicleEF | SBUS | 9.7350e-003 | 7.6480e-003 |
| tblVehicleEF | SBUS | 5.7400e-004 | 3.9000e-005 |
| tblVehicleEF | SBUS | 9.1300e-003 | 2.9130e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 1.32 | 0.48 |
| tblVehicleEF | SBUS | 4.8940e-003 | 1.5610e-003 |
| tblVehicleEF | SBUS | 0.05 | 0.01 |
| tblVehicleEF | SBUS | 0.01 | 0.06 |
| tblVehicleEF | SBUS | 0.26 | 0.03 |
| tblVehicleEF | SBUS | 0.84 | 0.07 |
| tblVehicleEF | SBUS | 3.4960e-003 | 1.1470e-003 |
| tblVehicleEF | SBUS | 0.05 | 6.0700e-003 |
| tblVehicleEF | SBUS | 7.54 | 3.28 |
| tblVehicleEF | SBUS | 0.27 | 0.15 |
| tblVehicleEF | SBUS | 5.35 | 0.68 |

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|---|---|---|---|
| tblVehicleEF | SBUS | 976.79 | 268.93 |
| tblVehicleEF | SBUS | 1,009.44 | 797.71 |
| tblVehicleEF | SBUS | 51.04 | 4.33 |
| tblVehicleEF | SBUS | 2.16 | 1.30 |
| tblVehicleEF | SBUS | 0.88 | 1.25 |
| tblVehicleEF | SBUS | 12.25 | 1.95 |
| tblVehicleEF | SBUS | 2.0400e-004 | 3.4200e-004 |
| tblVehicleEF | SBUS | 0.01 | 0.01 |
| tblVehicleEF | SBUS | 2.6080e-003 | 3.2600e-003 |
| tblVehicleEF | SBUS | 1.1460e-003 | 8.6000e-005 |
| tblVehicleEF | SBUS | 1.9500e-004 | 3.2700e-004 |
| tblVehicleEF | SBUS | 2.6280e-003 | 2.6360e-003 |
| tblVehicleEF | SBUS | 2.4730e-003 | 3.0970e-003 |
| tblVehicleEF | SBUS | 1.0540e-003 | 7.9000e-005 |
| tblVehicleEF | SBUS | 4.5130e-003 | 1.4240e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 0.91 | 0.33 |
| tblVehicleEF | SBUS | 2.2490e-003 | 7.2700e-004 |
| tblVehicleEF | SBUS | 0.04 | 9.8350e-003 |
| tblVehicleEF | SBUS | 0.02 | 0.08 |
| tblVehicleEF | SBUS | 0.30 | 0.03 |
| tblVehicleEF | SBUS | 9.5830e-003 | 2.5680e-003 |
| tblVehicleEF | SBUS | 9.7350e-003 | 7.6480e-003 |
| tblVehicleEF | SBUS | 6.0300e-004 | 4.3000e-005 |
| tblVehicleEF | SBUS | 4.5130e-003 | 1.4240e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 1.32 | 0.47 |
| tblVehicleEF | SBUS | 2.2490e-003 | 7.2700e-004 |
| tblVehicleEF | SBUS | 0.05 | 0.01 |
| tblVehicleEF | SBUS | 0.02 | 0.08 |

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|---|---|---|---|
| tblVehicleEF | SBUS | 0.33 | 0.04 |
| tblVehicleEF | UBUS | 0.79 | 4.23 |
| tblVehicleEF | UBUS | 0.06 | 0.02 |
| tblVehicleEF | UBUS | 3.89 | 32.93 |
| tblVehicleEF | UBUS | 7.80 | 1.43 |
| tblVehicleEF | UBUS | 1,683.21 | 1,660.54 |
| tblVehicleEF | UBUS | 146.97 | 14.28 |
| tblVehicleEF | UBUS | 0.44 | 0.41 |
| tblVehicleEF | UBUS | 11.66 | 0.28 |
| tblVehicleEF | UBUS | 0.48 | 0.08 |
| tblVehicleEF | UBUS | 0.01 | 0.03 |
| tblVehicleEF | UBUS | 1.7350e-003 | 2.7300e-003 |
| tblVehicleEF | UBUS | 1.7320e-003 | 2.1800e-004 |
| tblVehicleEF | UBUS | 0.21 | 0.03 |
| tblVehicleEF | UBUS | 3.0000e-003 | 6.3130e-003 |
| tblVehicleEF | UBUS | 1.6160e-003 | 2.5940e-003 |
| tblVehicleEF | UBUS | 1.5920e-003 | 2.0000e-004 |
| tblVehicleEF | UBUS | 4.8450e-003 | 1.5660e-003 |
| tblVehicleEF | UBUS | 0.05 | 0.01 |
| tblVehicleEF | UBUS | 3.0640e-003 | 9.3600e-004 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.75 | 0.07 |
| tblVehicleEF | UBUS | 8.0120e-003 | 3.1230e-003 |
| tblVehicleEF | UBUS | 1.6140e-003 | 1.4100e-004 |
| tblVehicleEF | UBUS | 4.8450e-003 | 1.5660e-003 |
| tblVehicleEF | UBUS | 0.05 | 0.01 |
| tblVehicleEF | UBUS | 3.0640e-003 | 9.3600e-004 |
| tblVehicleEF | UBUS | 0.81 | 4.32 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |

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|---|---|---|---|
| tblVehicleEF | UBUS | 0.82 | 0.08 |
| tblVehicleEF | UBUS | 0.79 | 4.23 |
| tblVehicleEF | UBUS | 0.05 | 0.02 |
| tblVehicleEF | UBUS | 3.90 | 32.93 |
| tblVehicleEF | UBUS | 6.46 | 1.18 |
| tblVehicleEF | UBUS | 1,683.21 | 1,660.54 |
| tblVehicleEF | UBUS | 146.97 | 13.85 |
| tblVehicleEF | UBUS | 0.40 | 0.40 |
| tblVehicleEF | UBUS | 11.59 | 0.26 |
| tblVehicleEF | UBUS | 0.48 | 0.08 |
| tblVehicleEF | UBUS | 0.01 | 0.03 |
| tblVehicleEF | UBUS | 1.7350e-003 | 2.7300e-003 |
| tblVehicleEF | UBUS | 1.7320e-003 | 2.1800e-004 |
| tblVehicleEF | UBUS | 0.21 | 0.03 |
| tblVehicleEF | UBUS | 3.0000e-003 | 6.3130e-003 |
| tblVehicleEF | UBUS | 1.6160e-003 | 2.5940e-003 |
| tblVehicleEF | UBUS | 1.5920e-003 | 2.0000e-004 |
| tblVehicleEF | UBUS | 8.9640e-003 | 2.9660e-003 |
| tblVehicleEF | UBUS | 0.07 | 0.02 |
| tblVehicleEF | UBUS | 6.6200e-003 | 2.0890e-003 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.67 | 0.06 |
| tblVehicleEF | UBUS | 8.0120e-003 | 3.1230e-003 |
| tblVehicleEF | UBUS | 1.5910e-003 | 1.3700e-004 |
| tblVehicleEF | UBUS | 8.9640e-003 | 2.9660e-003 |
| tblVehicleEF | UBUS | 0.07 | 0.02 |
| tblVehicleEF | UBUS | 6.6200e-003 | 2.0890e-003 |
| tblVehicleEF | UBUS | 0.82 | 4.32 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |

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|---|---|---|---|
| tblVehicleEF | UBUS | 0.74 | 0.07 |
| tblVehicleEF | UBUS | 0.79 | 4.23 |
| tblVehicleEF | UBUS | 0.06 | 0.02 |
| tblVehicleEF | UBUS | 3.89 | 32.93 |
| tblVehicleEF | UBUS | 7.58 | 1.40 |
| tblVehicleEF | UBUS | 1,683.21 | 1,660.54 |
| tblVehicleEF | UBUS | 146.97 | 14.22 |
| tblVehicleEF | UBUS | 0.43 | 0.41 |
| tblVehicleEF | UBUS | 11.65 | 0.27 |
| tblVehicleEF | UBUS | 0.48 | 0.08 |
| tblVehicleEF | UBUS | 0.01 | 0.03 |
| tblVehicleEF | UBUS | 1.7350e-003 | 2.7300e-003 |
| tblVehicleEF | UBUS | 1.7320e-003 | 2.1800e-004 |
| tblVehicleEF | UBUS | 0.21 | 0.03 |
| tblVehicleEF | UBUS | 3.0000e-003 | 6.3130e-003 |
| tblVehicleEF | UBUS | 1.6160e-003 | 2.5940e-003 |
| tblVehicleEF | UBUS | 1.5920e-003 | 2.0000e-004 |
| tblVehicleEF | UBUS | 4.5770e-003 | 1.5720e-003 |
| tblVehicleEF | UBUS | 0.06 | 0.01 |
| tblVehicleEF | UBUS | 2.9830e-003 | 9.1600e-004 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.02 | 0.08 |
| tblVehicleEF | UBUS | 0.74 | 0.07 |
| tblVehicleEF | UBUS | 8.0120e-003 | 3.1230e-003 |
| tblVehicleEF | UBUS | 1.6110e-003 | 1.4100e-004 |
| tblVehicleEF | UBUS | 4.5770e-003 | 1.5720e-003 |
| tblVehicleEF | UBUS | 0.06 | 0.01 |
| tblVehicleEF | UBUS | 2.9830e-003 | 9.1600e-004 |
| tblVehicleEF | UBUS | 0.81 | 4.32 |
| tblVehicleEF | UBUS | 0.02 | 0.08 |

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|---|---|---|---|
| tblVehicleEF | UBUS | 0.81 | 0.07 |
| tblVehicleTrips | ST_TR | 204.47 | 76.44 |
| tblVehicleTrips | ST_TR | 696.00 | 173.15 |
| tblVehicleTrips | ST_TR | 1.50 | 1.84 |
| tblVehicleTrips | ST_TR | 1.32 | 5.12 |
| tblVehicleTrips | ST_TR | 2.46 | 9.74 |
| tblVehicleTrips | ST_TR | 158.37 | 56.08 |
| tblVehicleTrips | ST_TR | 1.49 | 3.93 |
| tblVehicleTrips | ST_TR | 49.97 | 25.54 |
| tblVehicleTrips | ST_TR | 1.68 | 1.73 |
| tblVehicleTrips | SU_TR | 166.88 | 76.44 |
| tblVehicleTrips | SU_TR | 500.00 | 173.15 |
| tblVehicleTrips | SU_TR | 1.50 | 1.84 |
| tblVehicleTrips | SU_TR | 0.68 | 5.12 |
| tblVehicleTrips | SU_TR | 1.05 | 9.74 |
| tblVehicleTrips | SU_TR | 131.84 | 56.08 |
| tblVehicleTrips | SU_TR | 0.62 | 3.93 |
| tblVehicleTrips | SU_TR | 25.24 | 25.54 |
| tblVehicleTrips | SU_TR | 1.68 | 1.73 |
| tblVehicleTrips | WD_TR | 542.60 | 76.44 |
| tblVehicleTrips | WD_TR | 716.00 | 173.15 |
| tblVehicleTrips | WD_TR | 1.50 | 1.84 |
| tblVehicleTrips | WD_TR | 6.97 | 5.12 |
| tblVehicleTrips | WD_TR | 11.03 | 9.74 |
| tblVehicleTrips | WD_TR | 127.15 | 56.08 |
| tblVehicleTrips | WD_TR | 3.82 | 3.93 |
| tblVehicleTrips | WD_TR | 42.70 | 25.54 |
| tblVehicleTrips | WD_TR | 1.68 | 1.73 |

## 2.0 Emissions Summary

## 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 | | | | | |
| 2045 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Maximum** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | | | | | |
| 2045 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Maximum** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | 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** |

## 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 | 619.0131 | 0.0236 | 2.6253 | 2.0000e-004 | | 9.3100e-003 | 9.3100e-003 | | 9.3100e-003 | 9.3100e-003 | | 5.6635 | 5.6635 | 0.0146 | | 6.0282 |
| Energy | 10.6055 | 96.4139 | 80.9877 | 0.5785 | | 7.3275 | 7.3275 | | 7.3275 | 7.3275 | | 115,696.7187 | 115,696.7187 | 2.2175 | 2.1211 | 116,384.2464 |
| Mobile | 74.9558 | 276.8881 | 924.0169 | 3.3132 | 419.2379 | 2.5577 | 421.7956 | 111.8841 | 2.4237 | 114.3078 | | 342,519.1102 | 342,519.1102 | 13.0855 | | 342,846.2471 |
| **Total** | **704.5744** | **373.3256** | **1,007.6299** | **3.8919** | **419.2379** | **9.8945** | **429.1324** | **111.8841** | **9.7605** | **121.6445** | | **458,221.4923** | **458,221.4923** | **15.3176** | **2.1211** | **459,236.5217** |

**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 | 586.1907 | 0.0236 | 2.6253 | 2.0000e-004 | | 9.3100e-003 | 9.3100e-003 | | 9.3100e-003 | 9.3100e-003 | | 5.6635 | 5.6635 | 0.0146 | | 6.0282 |
| Energy | 8.9627 | 81.4793 | 68.4426 | 0.4889 | | 6.1924 | 6.1924 | | 6.1924 | 6.1924 | | 97,775.1432 | 97,775.1432 | 1.8740 | 1.7925 | 98,356.1720 |
| Mobile | 74.9558 | 276.8881 | 924.0169 | 3.3132 | 419.2379 | 2.5577 | 421.7956 | 111.8841 | 2.4237 | 114.3078 | | 342,519.1102 | 342,519.1102 | 13.0855 | | 342,846.2471 |
| **Total** | **670.1093** | **358.3910** | **995.0848** | **3.8023** | **419.2379** | **8.7594** | **427.9973** | **111.8841** | **8.6255** | **120.5095** | | **440,299.9169** | **440,299.9169** | **14.9741** | **1.7925** | **441,208.4473** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **4.89** | **4.00** | **1.25** | **2.30** | **0.00** | **11.47** | **0.26** | **0.00** | **11.63** | **0.93** | **0.00** | **3.91** | **3.91** | **2.24** | **15.49** | **3.93** |

## 3.0 Construction Detail

**Construction Phase**

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Demolition | Demolition | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 2 | Site Preparation | Site Preparation | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 3 | Grading | Grading | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 4 | Building Construction | Building Construction | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 5 | Paving | Paving | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 6 | Architectural Coating | Architectural Coating | 12/31/2045 | 12/31/2045 | 5 | 0 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 38,770,668; Non-Residential Outdoor: 12,923,556; Striped Parking**

**OffRoad Equipment**

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Demolition | Excavators | 0 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Grading | Excavators | 0 | 8.00 | 158 | 0.38 |
| Grading | Graders | 0 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 0 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 0 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 0 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 0 | 8.00 | 46 | 0.45 |

| | | | | | |
|---|---|---|---|---|---|
| Paving | Pavers | 0 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 0 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 0 | 8.00 | 80 | 0.38 |
| Architectural Coating | Air Compressors | 0 | 6.00 | 78 | 0.48 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 0 | 10,818.00 | 4,236.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 0 | 2,164.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

## 3.2 Demolition - 2045

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.3 Site Preparation - 2045

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.4 Grading - 2045

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.5 Building Construction - 2045

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.6 Paving - 2045

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.7 Architectural Coating - 2045

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 74.9558 | 276.8881 | 924.0169 | 3.3132 | 419.2379 | 2.5577 | 421.7956 | 111.8841 | 2.4237 | 114.3078 | | 342,519.1102 | 342,519.1102 | 13.0855 | | 342,846.2471 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unmitigated | 74.9558 | 276.8881 | 924.0169 | 3.3132 | 419.2379 | 2.5577 | 421.7956 | 111.8841 | 2.4237 | 114.3078 | | 342,519.1102 | 342,519.1102 | 13.0855 | | 342,846.2471 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Convenience Market With Gas Pumps | 2,751.84 | 2,751.84 | 2751.84 | 1,476,099 | 1,476,099 |
| Fast Food Restaurant w/o Drive Thru | 1,125.48 | 1,125.48 | 1125.48 | 1,814,905 | 1,814,905 |
| General Heavy Industry | 5,060.00 | 5,060.00 | 5060.00 | 14,772,726 | 14,772,726 |
| General Light Industry | 12,928.41 | 12,928.41 | 12928.41 | 37,744,636 | 37,744,636 |
| General Office Building | 3,360.30 | 3,360.30 | 3360.30 | 8,030,286 | 8,030,286 |
| High Turnover (Sit Down Restaurant) | 1,009.44 | 1,009.44 | 1009.44 | 1,171,217 | 1,171,217 |
| Manufacturing | 17,888.46 | 17,888.46 | 17888.46 | 52,225,547 | 52,225,547 |
| Regional Shopping Center | 842.82 | 842.82 | 842.82 | 1,477,720 | 1,477,720 |
| Unrefrigerated Warehouse-No Rail | 27,009.94 | 27,009.94 | 27009.94 | 78,855,810 | 78,855,810 |
| Total | 71,976.68 | 71,976.68 | 71,976.68 | 197,568,947 | 197,568,947 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | 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 |
| Convenience Market With Gas Pumps | 9.50 | 7.30 | 7.30 | 0.80 | 80.20 | 19.00 | 14 | 21 | 65 |
| Fast Food Restaurant w/o Drive Thru | 9.50 | 7.30 | 7.30 | 1.50 | 79.50 | 19.00 | 51 | 37 | 12 |
| General Heavy Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| High Turnover (Sit Down Restaurant) | 9.50 | 7.30 | 7.30 | 8.50 | 72.50 | 19.00 | 37 | 20 | 43 |
| Manufacturing | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |
| Unrefrigerated Warehouse-No Rail | 9.50 | 7.30 | 7.30 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Convenience Market With Gas Pumps | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Fast Food Restaurant w/o Drive Thru | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| General Heavy Industry | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Light Industry | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |
| General Office Building | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| High Turnover (Sit Down Restaurant) | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Manufacturing | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |
| Regional Shopping Center | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Unrefrigerated Warehouse-No Rail | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 8.9627 | 81.4793 | 68.4426 | 0.4889 | | 6.1924 | 6.1924 | | 6.1924 | 6.1924 | | 97,775.1432 | 97,775.1432 | 1.8740 | 1.7925 | 98,356.1720 |
| NaturalGas Unmitigated | 10.6055 | 96.4139 | 80.9877 | 0.5785 | | 7.3275 | 7.3275 | | 7.3275 | 7.3275 | | 115,696.7187 | 115,696.7187 | 2.2175 | 2.1211 | 116,384.2464 |

### 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 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Convenience Market With Gas Pumps | 30.9115 | 3.3000e-004 | 3.0300e-003 | 2.5500e-003 | 2.0000e-005 | | 2.3000e-004 | 2.3000e-004 | | 2.3000e-004 | 2.3000e-004 | | 3.6367 | 3.6367 | 7.0000e-005 | 7.0000e-005 | 3.6583 |
| Fast Food Restaurant w/o Drive Thru | 4869.48 | 0.0525 | 0.4774 | 0.4010 | 2.8600e-003 | | 0.0363 | 0.0363 | | 0.0363 | 0.0363 | | 572.8799 | 572.8799 | 0.0110 | 0.0105 | 576.2843 |
| General Heavy Industry | 244788 | 2.6399 | 23.9988 | 20.1590 | 0.1440 | | 1.8239 | 1.8239 | | 1.8239 | 1.8239 | | 28,798.5496 | 28,798.5496 | 0.5520 | 0.5280 | 28,969.6849 |
| General Light Industry | 224767 | 2.4240 | 22.0360 | 18.5102 | 0.1322 | | 1.6747 | 1.6747 | | 1.6747 | 1.6747 | | 26,443.1424 | 26,443.1424 | 0.5068 | 0.4848 | 26,600.2807 |
| General Office Building | 3279.86 | 0.0354 | 0.3216 | 0.2701 | 1.9300e-003 | | 0.0244 | 0.0244 | | 0.0244 | 0.0244 | | 385.8662 | 385.8662 | 7.4000e-003 | 7.0700e-003 | 388.1593 |
| High Turnover (Sit Down Restaurant) | 13484.7 | 0.1454 | 1.3220 | 1.1105 | 7.9300e-003 | | 0.1005 | 0.1005 | | 0.1005 | 0.1005 | | 1,586.4367 | 1,586.4367 | 0.0304 | 0.0291 | 1,595.8641 |
| Manufacturing | 405170 | 4.3695 | 39.7225 | 33.3669 | 0.2383 | | 3.0189 | 3.0189 | | 3.0189 | 3.0189 | | 47,667.0451 | 47,667.0451 | 0.9136 | 0.8739 | 47,950.3065 |
| Regional Shopping Center | 200.712 | 2.1600e-003 | 0.0197 | 0.0165 | 1.2000e-004 | | 1.5000e-003 | 1.5000e-003 | | 1.5000e-003 | 1.5000e-003 | | 23.6132 | 23.6132 | 4.5000e-004 | 4.3000e-004 | 23.7535 |
| Unrefrigerated Warehouse-No Rail | 86832.2 | 0.9364 | 8.5130 | 7.1509 | 0.0511 | | 0.6470 | 0.6470 | | 0.6470 | 0.6470 | | 10,215.5489 | 10,215.5489 | 0.1958 | 0.1873 | 10,276.2548 |
| **Total** | | **10.6055** | **96.4139** | **80.9877** | **0.5785** | | **7.3275** | **7.3275** | | **7.3275** | **7.3275** | | **115,696.7187** | **115,696.7187** | **2.2175** | **2.1211** | **116,384.2464** |

## 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 | | | | | |
| Convenience Market With Gas Pumps | 0.0228912 | 2.5000e-004 | 2.2400e-003 | 1.8900e-003 | 1.0000e-005 | | 1.7000e-004 | 1.7000e-004 | | 1.7000e-004 | 1.7000e-004 | | 2.6931 | 2.6931 | 5.0000e-005 | 5.0000e-005 | 2.7091 |
| Fast Food Restaurant w/o Drive Thru | 4.45453 | 0.0480 | 0.4367 | 0.3668 | 2.6200e-003 | | 0.0332 | 0.0332 | | 0.0332 | 0.0332 | | 524.0624 | 524.0624 | 0.0100 | 9.6100e-003 | 527.1766 |
| General Heavy Industry | 210.07 | 2.2655 | 20.5951 | 17.2999 | 0.1236 | | 1.5652 | 1.5652 | | 1.5652 | 1.5652 | | 24,714.1015 | 24,714.1015 | 0.4737 | 0.4531 | 24,860.9651 |
| General Light Industry | 192.888 | 2.0802 | 18.9106 | 15.8849 | 0.1135 | | 1.4372 | 1.4372 | | 1.4372 | 1.4372 | | 22,692.7576 | 22,692.7576 | 0.4349 | 0.4160 | 22,827.6094 |
| General Office Building | 2.2959 | 0.0248 | 0.2251 | 0.1891 | 1.3500e-003 | | 0.0171 | 0.0171 | | 0.0171 | 0.0171 | | 270.1064 | 270.1064 | 5.1800e-003 | 4.9500e-003 | 271.7115 |
| High Turnover (Sit Down Restaurant) | 12.3356 | 0.1330 | 1.2094 | 1.0159 | 7.2600e-003 | | 0.0919 | 0.0919 | | 0.0919 | 0.0919 | | 1,451.2496 | 1,451.2496 | 0.0278 | 0.0266 | 1,459.8737 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Manufacturing | 347.705 | 3.7498 | 34.0888 | 28.6346 | 0.2045 | | 2.5908 | 2.5908 | | 2.5908 | 2.5908 | | 40,906.5113 | 40,906.5113 | 0.7840 | 0.7500 | 41,149.5982 |
| Regional Shopping Center | 0.148636 | 1.6000e-003 | 0.0146 | 0.0122 | 9.0000e-005 | | 1.1100e-003 | 1.1100e-003 | | 1.1100e-003 | 1.1100e-003 | | 17.4865 | 17.4865 | 3.4000e-004 | 3.2000e-004 | 17.5905 |
| Unrefrigerated Warehouse-No Rail | 61.1675 | 0.6597 | 5.9968 | 5.0373 | 0.0360 | | 0.4558 | 0.4558 | | 0.4558 | 0.4558 | | 7,196.1748 | 7,196.1748 | 0.1379 | 0.1319 | 7,238.9381 |
| **Total** | | **8.9627** | **81.4793** | **68.4426** | **0.4889** | | **6.1924** | **6.1924** | | **6.1924** | **6.1924** | | **97,775.1433** | **97,775.1433** | **1.8740** | **1.7925** | **98,356.1720** |

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 586.1907 | 0.0236 | 2.6253 | 2.0000e-004 | | 9.3100e-003 | 9.3100e-003 | | 9.3100e-003 | 9.3100e-003 | | 5.6635 | 5.6635 | 0.0146 | | 6.0282 |
| Unmitigated | 619.0131 | 0.0236 | 2.6253 | 2.0000e-004 | | 9.3100e-003 | 9.3100e-003 | | 9.3100e-003 | 9.3100e-003 | | 5.6635 | 5.6635 | 0.0146 | | 6.0282 |

### 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 | 65.6446 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 553.1282 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.2402 | 0.0236 | 2.6253 | 2.0000e-004 | | 9.3100e-003 | 9.3100e-003 | | 9.3100e-003 | 9.3100e-003 | | 5.6635 | 5.6635 | 0.0146 | | 6.0282 |
| **Total** | **619.0131** | **0.0236** | **2.6253** | **2.0000e-004** | | **9.3100e-003** | **9.3100e-003** | | **9.3100e-003** | **9.3100e-003** | | **5.6635** | **5.6635** | **0.0146** | | **6.0282** |

**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 | 32.8223 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 553.1282 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.2402 | 0.0236 | 2.6253 | 2.0000e-004 | | 9.3100e-003 | 9.3100e-003 | | 9.3100e-003 | 9.3100e-003 | | 5.6635 | 5.6635 | 0.0146 | | 6.0282 |
| **Total** | **586.1907** | **0.0236** | **2.6253** | **2.0000e-004** | | **9.3100e-003** | **9.3100e-003** | | **9.3100e-003** | **9.3100e-003** | | **5.6635** | **5.6635** | **0.0146** | | **6.0282** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

## 11.0 Vegetation

# SCLA Specific Plan EIR - Unmitigated Operational

**San Bernardino-Mojave Desert County, Winter**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Office Building | 345.00 | 1000sqft | 799.20 | 345,000.00 | 0 |
| General Heavy Industry | 2,750.00 | 1000sqft | 799.20 | 2,750,000.00 | 0 |
| General Light Industry | 2,525.08 | 1000sqft | 799.20 | 2,525,080.00 | 0 |
| Manufacturing | 4,551.77 | 1000sqft | 799.20 | 4,551,770.00 | 0 |
| Unrefrigerated Warehouse-No Rail | 15,612.68 | 1000sqft | 797.76 | 15,612,680.00 | 0 |
| Fast Food Restaurant w/o Drive Thru | 6.50 | 1000sqft | 0.15 | 6,500.00 | 0 |
| High Turnover (Sit Down Restaurant) | 18.00 | 1000sqft | 0.41 | 18,000.00 | 0 |
| Convenience Market With Gas Pumps | 36.00 | Pump | 0.12 | 5,082.30 | 0 |
| Regional Shopping Center | 33.00 | 1000sqft | 0.76 | 33,000.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.6 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 10 | | | **Operational Year** | 2050 |
| **Utility Company** | Statewide Average | | | | |
| **CO2 Intensity (lb/MWhr)** | 0 | **CH4 Intensity (lb/MWhr)** | 0 | **N2O Intensity (lb/MWhr)** | 0 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - Statewide Average with 100% reduction due to goals & regulation in SB 100 (2045 - 100% renewable energy).

Land Use - Based off the Land Use Intensities in the Michael Baker International, Southern California Logistics Airport Specific Plan Traffic Impact Analysis, April 23, 2020, and information from the Applicant.

Construction Phase - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Grading - Operational Run Only.

Architectural Coating - MDAQMD Rule 1113

Vehicle Trips - Per the traffic study the project would have 71,971 ADT.

Vehicle Emission Factors - EMFAC2017 Model Run for San Bernardino County (2050)

Vehicle Emission Factors - EMFAC2017 Model Run for San Bernardino County (2050)

Vehicle Emission Factors - EMFAC2017 Model Run for San Bernardino County (2050)

Area Coating - MDAQMD Rule 1113

Energy Use -

Mobile Land Use Mitigation -

Area Mitigation - MDAQMD Rule 1113

Energy Mitigation - 2019 Title 24 Requirements are 30% more efficient than model 2016 Title 24 standards.

Water Mitigation - 2019 Title 24 & CalGreen.

Waste Mitigation - AB 341 post 2020 requirement.

Fleet Mix - According to the TIA and communication with the traffic engineer, only the manufacturing, warehousing, and light industrial uses would have truck trips, thus 100% LDA (passenger cars) was assumed.

| Table Name | Column Name | Default Value | New Value |
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| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 100.00 |
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| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 100.00 |
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| tblAreaCoating | Area_EF_Nonresidential_Interior | 250 | 100 |

| | | | |
|---|---|---|---|
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| tblAreaCoating | Area_EF_Residential_Interior | 250 | 100 |
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| tblAreaMitigation | UseLowVOCPaintNonresidentialInteriorValue | 100 | 50 |
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| tblAreaMitigation | UseLowVOCPaintResidentialInteriorValue | 100 | 50 |
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| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 4.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblProjectCharacteristics | CH4IntensityFactor | 0.029 | 0 |
| tblProjectCharacteristics | CO2IntensityFactor | 1001.57 | 0 |
| tblProjectCharacteristics | N2OIntensityFactor | 0.006 | 0 |
| tblVehicleEF | HHD | 0.83 | 0.03 |
| tblVehicleEF | HHD | 0.03 | 0.03 |
| tblVehicleEF | HHD | 0.05 | 0.00 |
| tblVehicleEF | HHD | 2.11 | 8.88 |
| tblVehicleEF | HHD | 0.55 | 0.30 |
| tblVehicleEF | HHD | 1.64 | 2.2740e-003 |
| tblVehicleEF | HHD | 6,274.34 | 1,131.00 |
| tblVehicleEF | HHD | 1,396.15 | 957.24 |
| tblVehicleEF | HHD | 4.91 | 0.02 |
| tblVehicleEF | HHD | 17.41 | 7.10 |
| tblVehicleEF | HHD | 1.08 | 1.93 |
| tblVehicleEF | HHD | 20.19 | 2.35 |
| tblVehicleEF | HHD | 1.7080e-003 | 2.5610e-003 |
| tblVehicleEF | HHD | 0.06 | 0.06 |
| tblVehicleEF | HHD | 0.04 | 0.04 |
| tblVehicleEF | HHD | 4.8890e-003 | 0.02 |
| tblVehicleEF | HHD | 6.1000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.6340e-003 | 2.4500e-003 |
| tblVehicleEF | HHD | 0.03 | 0.03 |
| tblVehicleEF | HHD | 8.8770e-003 | 8.9080e-003 |

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|---|---|---|---|
| tblVehicleEF | HHD | 4.6770e-003 | 0.02 |
| tblVehicleEF | HHD | 5.6000e-005 | 0.00 |
| tblVehicleEF | HHD | 6.2000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 2.0270e-003 | 3.0000e-005 |
| tblVehicleEF | HHD | 0.56 | 0.60 |
| tblVehicleEF | HHD | 3.9000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.06 | 0.02 |
| tblVehicleEF | HHD | 1.3800e-004 | 1.4700e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | HHD | 0.06 | 0.01 |
| tblVehicleEF | HHD | 0.01 | 8.8470e-003 |
| tblVehicleEF | HHD | 7.6000e-005 | 0.00 |
| tblVehicleEF | HHD | 6.2000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 2.0270e-003 | 3.0000e-005 |
| tblVehicleEF | HHD | 0.65 | 0.68 |
| tblVehicleEF | HHD | 3.9000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.10 | 0.05 |
| tblVehicleEF | HHD | 1.3800e-004 | 1.4700e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | HHD | 0.78 | 0.03 |
| tblVehicleEF | HHD | 0.03 | 0.03 |
| tblVehicleEF | HHD | 0.05 | 0.00 |
| tblVehicleEF | HHD | 1.53 | 8.76 |
| tblVehicleEF | HHD | 0.55 | 0.30 |
| tblVehicleEF | HHD | 1.53 | 2.1260e-003 |
| tblVehicleEF | HHD | 6,647.11 | 1,116.18 |
| tblVehicleEF | HHD | 1,396.15 | 957.25 |
| tblVehicleEF | HHD | 4.91 | 0.02 |
| tblVehicleEF | HHD | 17.97 | 6.75 |
| tblVehicleEF | HHD | 1.02 | 1.82 |

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|---|---|---|---|
| tblVehicleEF | HHD | 20.19 | 2.35 |
| tblVehicleEF | HHD | 1.4400e-003 | 2.2760e-003 |
| tblVehicleEF | HHD | 0.06 | 0.06 |
| tblVehicleEF | HHD | 0.04 | 0.04 |
| tblVehicleEF | HHD | 4.8890e-003 | 0.02 |
| tblVehicleEF | HHD | 6.1000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.3780e-003 | 2.1770e-003 |
| tblVehicleEF | HHD | 0.03 | 0.03 |
| tblVehicleEF | HHD | 8.8770e-003 | 8.9080e-003 |
| tblVehicleEF | HHD | 4.6770e-003 | 0.02 |
| tblVehicleEF | HHD | 5.6000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.1800e-004 | 2.0000e-006 |
| tblVehicleEF | HHD | 2.2440e-003 | 3.3000e-005 |
| tblVehicleEF | HHD | 0.53 | 0.63 |
| tblVehicleEF | HHD | 8.1000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.06 | 0.02 |
| tblVehicleEF | HHD | 1.3900e-004 | 1.4700e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | HHD | 0.06 | 0.01 |
| tblVehicleEF | HHD | 0.01 | 8.8470e-003 |
| tblVehicleEF | HHD | 7.4000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.1800e-004 | 2.0000e-006 |
| tblVehicleEF | HHD | 2.2440e-003 | 3.3000e-005 |
| tblVehicleEF | HHD | 0.61 | 0.72 |
| tblVehicleEF | HHD | 8.1000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.10 | 0.05 |
| tblVehicleEF | HHD | 1.3900e-004 | 1.4700e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | HHD | 0.89 | 0.03 |
| tblVehicleEF | HHD | 0.03 | 0.03 |

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|---|---|---|---|
| tblVehicleEF | HHD | 0.05 | 0.00 |
| tblVehicleEF | HHD | 2.91 | 9.03 |
| tblVehicleEF | HHD | 0.55 | 0.30 |
| tblVehicleEF | HHD | 1.61 | 2.2370e-003 |
| tblVehicleEF | HHD | 5,759.57 | 1,151.45 |
| tblVehicleEF | HHD | 1,396.15 | 957.24 |
| tblVehicleEF | HHD | 4.91 | 0.02 |
| tblVehicleEF | HHD | 16.63 | 7.59 |
| tblVehicleEF | HHD | 1.07 | 1.90 |
| tblVehicleEF | HHD | 20.19 | 2.35 |
| tblVehicleEF | HHD | 2.0790e-003 | 2.9560e-003 |
| tblVehicleEF | HHD | 0.06 | 0.06 |
| tblVehicleEF | HHD | 0.04 | 0.04 |
| tblVehicleEF | HHD | 4.8890e-003 | 0.02 |
| tblVehicleEF | HHD | 6.1000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.9890e-003 | 2.8280e-003 |
| tblVehicleEF | HHD | 0.03 | 0.03 |
| tblVehicleEF | HHD | 8.8770e-003 | 8.9080e-003 |
| tblVehicleEF | HHD | 4.6770e-003 | 0.02 |
| tblVehicleEF | HHD | 5.6000e-005 | 0.00 |
| tblVehicleEF | HHD | 5.7000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 2.1340e-003 | 3.1000e-005 |
| tblVehicleEF | HHD | 0.61 | 0.55 |
| tblVehicleEF | HHD | 3.7000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.06 | 0.02 |
| tblVehicleEF | HHD | 1.5100e-004 | 1.6100e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | HHD | 0.05 | 0.01 |
| tblVehicleEF | HHD | 0.01 | 8.8470e-003 |
| tblVehicleEF | HHD | 7.5000e-005 | 0.00 |

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|---|---|---|---|
| tblVehicleEF | HHD | 5.7000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 2.1340e-003 | 3.1000e-005 |
| tblVehicleEF | HHD | 0.70 | 0.63 |
| tblVehicleEF | HHD | 3.7000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.10 | 0.05 |
| tblVehicleEF | HHD | 1.5100e-004 | 1.6100e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | LDA | 1.2210e-003 | 5.8400e-004 |
| tblVehicleEF | LDA | 4.7700e-004 | 0.02 |
| tblVehicleEF | LDA | 0.24 | 0.36 |
| tblVehicleEF | LDA | 0.30 | 1.26 |
| tblVehicleEF | LDA | 162.22 | 182.70 |
| tblVehicleEF | LDA | 34.63 | 35.74 |
| tblVehicleEF | LDA | 0.02 | 0.02 |
| tblVehicleEF | LDA | 0.01 | 0.11 |
| tblVehicleEF | LDA | 5.5000e-004 | 4.7100e-004 |
| tblVehicleEF | LDA | 7.9200e-004 | 6.0900e-004 |
| tblVehicleEF | LDA | 5.0600e-004 | 4.3300e-004 |
| tblVehicleEF | LDA | 7.2800e-004 | 5.6000e-004 |
| tblVehicleEF | LDA | 0.01 | 0.02 |
| tblVehicleEF | LDA | 0.03 | 0.03 |
| tblVehicleEF | LDA | 9.2080e-003 | 0.01 |
| tblVehicleEF | LDA | 3.0650e-003 | 1.6070e-003 |
| tblVehicleEF | LDA | 0.02 | 0.14 |
| tblVehicleEF | LDA | 6.4280e-003 | 0.06 |
| tblVehicleEF | LDA | 1.6220e-003 | 1.8070e-003 |
| tblVehicleEF | LDA | 3.5000e-004 | 3.5400e-004 |
| tblVehicleEF | LDA | 0.01 | 0.02 |
| tblVehicleEF | LDA | 0.03 | 0.03 |
| tblVehicleEF | LDA | 9.2080e-003 | 0.01 |

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|---|---|---|---|
| tblVehicleEF | LDA | 4.4570e-003 | 2.3290e-003 |
| tblVehicleEF | LDA | 0.02 | 0.14 |
| tblVehicleEF | LDA | 7.0380e-003 | 0.06 |
| tblVehicleEF | LDA | 1.3920e-003 | 6.7400e-004 |
| tblVehicleEF | LDA | 3.9800e-004 | 0.01 |
| tblVehicleEF | LDA | 0.30 | 0.45 |
| tblVehicleEF | LDA | 0.25 | 1.07 |
| tblVehicleEF | LDA | 177.52 | 199.49 |
| tblVehicleEF | LDA | 34.63 | 35.40 |
| tblVehicleEF | LDA | 0.02 | 0.01 |
| tblVehicleEF | LDA | 9.5520e-003 | 0.10 |
| tblVehicleEF | LDA | 5.5000e-004 | 4.7100e-004 |
| tblVehicleEF | LDA | 7.9200e-004 | 6.0900e-004 |
| tblVehicleEF | LDA | 5.0600e-004 | 4.3300e-004 |
| tblVehicleEF | LDA | 7.2800e-004 | 5.6000e-004 |
| tblVehicleEF | LDA | 0.02 | 0.03 |
| tblVehicleEF | LDA | 0.03 | 0.04 |
| tblVehicleEF | LDA | 0.02 | 0.03 |
| tblVehicleEF | LDA | 3.4880e-003 | 1.8230e-003 |
| tblVehicleEF | LDA | 0.02 | 0.14 |
| tblVehicleEF | LDA | 5.3660e-003 | 0.05 |
| tblVehicleEF | LDA | 1.7760e-003 | 1.9730e-003 |
| tblVehicleEF | LDA | 0.02 | 0.03 |
| tblVehicleEF | LDA | 0.03 | 0.04 |
| tblVehicleEF | LDA | 0.02 | 0.03 |
| tblVehicleEF | LDA | 5.0740e-003 | 2.6450e-003 |
| tblVehicleEF | LDA | 0.02 | 0.14 |
| tblVehicleEF | LDA | 5.8750e-003 | 0.05 |
| tblVehicleEF | LDA | 1.1890e-003 | 5.7000e-004 |
| tblVehicleEF | LDA | 4.7500e-004 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | LDA | 0.23 | 0.34 |
| tblVehicleEF | LDA | 0.29 | 1.24 |
| tblVehicleEF | LDA | 158.60 | 178.76 |
| tblVehicleEF | LDA | 34.63 | 35.71 |
| tblVehicleEF | LDA | 0.02 | 0.02 |
| tblVehicleEF | LDA | 0.01 | 0.11 |
| tblVehicleEF | LDA | 5.5000e-004 | 4.7100e-004 |
| tblVehicleEF | LDA | 7.9200e-004 | 6.0900e-004 |
| tblVehicleEF | LDA | 5.0600e-004 | 4.3300e-004 |
| tblVehicleEF | LDA | 7.2800e-004 | 5.6000e-004 |
| tblVehicleEF | LDA | 0.01 | 0.02 |
| tblVehicleEF | LDA | 0.03 | 0.03 |
| tblVehicleEF | LDA | 8.5160e-003 | 0.01 |
| tblVehicleEF | LDA | 2.9850e-003 | 1.5670e-003 |
| tblVehicleEF | LDA | 0.03 | 0.16 |
| tblVehicleEF | LDA | 6.4050e-003 | 0.06 |
| tblVehicleEF | LDA | 1.5860e-003 | 1.7680e-003 |
| tblVehicleEF | LDA | 3.5000e-004 | 3.5300e-004 |
| tblVehicleEF | LDA | 0.01 | 0.02 |
| tblVehicleEF | LDA | 0.03 | 0.03 |
| tblVehicleEF | LDA | 8.5160e-003 | 0.01 |
| tblVehicleEF | LDA | 4.3410e-003 | 2.2700e-003 |
| tblVehicleEF | LDA | 0.03 | 0.16 |
| tblVehicleEF | LDA | 7.0130e-003 | 0.06 |
| tblVehicleEF | LDT1 | 1.6300e-003 | 6.2400e-004 |
| tblVehicleEF | LDT1 | 6.5800e-004 | 0.02 |
| tblVehicleEF | LDT1 | 0.31 | 0.38 |
| tblVehicleEF | LDT1 | 0.38 | 1.33 |
| tblVehicleEF | LDT1 | 204.30 | 214.32 |
| tblVehicleEF | LDT1 | 44.26 | 42.86 |

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|---|---|---|---|
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 0.01 | 0.12 |
| tblVehicleEF | LDT1 | 6.7600e-004 | 5.0100e-004 |
| tblVehicleEF | LDT1 | 9.9100e-004 | 6.6900e-004 |
| tblVehicleEF | LDT1 | 6.2200e-004 | 4.6000e-004 |
| tblVehicleEF | LDT1 | 9.1100e-004 | 6.1500e-004 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 0.04 | 0.04 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 4.0420e-003 | 1.7040e-003 |
| tblVehicleEF | LDT1 | 0.03 | 0.17 |
| tblVehicleEF | LDT1 | 8.8770e-003 | 0.06 |
| tblVehicleEF | LDT1 | 2.0440e-003 | 2.1210e-003 |
| tblVehicleEF | LDT1 | 4.4800e-004 | 4.2400e-004 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 0.04 | 0.04 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 5.8960e-003 | 2.4850e-003 |
| tblVehicleEF | LDT1 | 0.03 | 0.17 |
| tblVehicleEF | LDT1 | 9.7190e-003 | 0.07 |
| tblVehicleEF | LDT1 | 1.8530e-003 | 7.1900e-004 |
| tblVehicleEF | LDT1 | 5.5000e-004 | 0.02 |
| tblVehicleEF | LDT1 | 0.38 | 0.46 |
| tblVehicleEF | LDT1 | 0.31 | 1.12 |
| tblVehicleEF | LDT1 | 223.10 | 231.16 |
| tblVehicleEF | LDT1 | 44.26 | 42.50 |
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 0.01 | 0.11 |
| tblVehicleEF | LDT1 | 6.7600e-004 | 5.0100e-004 |
| tblVehicleEF | LDT1 | 9.9100e-004 | 6.6900e-004 |

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|---|---|---|---|
| tblVehicleEF | LDT1 | 6.2200e-004 | 4.6000e-004 |
| tblVehicleEF | LDT1 | 9.1100e-004 | 6.1500e-004 |
| tblVehicleEF | LDT1 | 0.04 | 0.06 |
| tblVehicleEF | LDT1 | 0.05 | 0.05 |
| tblVehicleEF | LDT1 | 0.04 | 0.05 |
| tblVehicleEF | LDT1 | 4.5930e-003 | 1.9360e-003 |
| tblVehicleEF | LDT1 | 0.03 | 0.17 |
| tblVehicleEF | LDT1 | 7.4160e-003 | 0.05 |
| tblVehicleEF | LDT1 | 2.2330e-003 | 2.2880e-003 |
| tblVehicleEF | LDT1 | 4.4700e-004 | 4.2100e-004 |
| tblVehicleEF | LDT1 | 0.04 | 0.06 |
| tblVehicleEF | LDT1 | 0.05 | 0.05 |
| tblVehicleEF | LDT1 | 0.04 | 0.05 |
| tblVehicleEF | LDT1 | 6.7000e-003 | 2.8240e-003 |
| tblVehicleEF | LDT1 | 0.03 | 0.17 |
| tblVehicleEF | LDT1 | 8.1200e-003 | 0.06 |
| tblVehicleEF | LDT1 | 1.5890e-003 | 6.0900e-004 |
| tblVehicleEF | LDT1 | 6.5600e-004 | 0.02 |
| tblVehicleEF | LDT1 | 0.29 | 0.36 |
| tblVehicleEF | LDT1 | 0.37 | 1.31 |
| tblVehicleEF | LDT1 | 199.87 | 210.33 |
| tblVehicleEF | LDT1 | 44.26 | 42.82 |
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 0.01 | 0.12 |
| tblVehicleEF | LDT1 | 6.7600e-004 | 5.0100e-004 |
| tblVehicleEF | LDT1 | 9.9100e-004 | 6.6900e-004 |
| tblVehicleEF | LDT1 | 6.2200e-004 | 4.6000e-004 |
| tblVehicleEF | LDT1 | 9.1100e-004 | 6.1500e-004 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 0.04 | 0.05 |

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|---|---|---|---|
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 3.9390e-003 | 1.6600e-003 |
| tblVehicleEF | LDT1 | 0.04 | 0.20 |
| tblVehicleEF | LDT1 | 8.8500e-003 | 0.06 |
| tblVehicleEF | LDT1 | 2.0000e-003 | 2.0810e-003 |
| tblVehicleEF | LDT1 | 4.4800e-004 | 4.2400e-004 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 0.04 | 0.05 |
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 5.7450e-003 | 2.4220e-003 |
| tblVehicleEF | LDT1 | 0.04 | 0.20 |
| tblVehicleEF | LDT1 | 9.6900e-003 | 0.07 |
| tblVehicleEF | LDT2 | 1.8520e-003 | 8.0800e-004 |
| tblVehicleEF | LDT2 | 9.4600e-004 | 0.02 |
| tblVehicleEF | LDT2 | 0.38 | 0.43 |
| tblVehicleEF | LDT2 | 0.46 | 1.70 |
| tblVehicleEF | LDT2 | 237.56 | 213.49 |
| tblVehicleEF | LDT2 | 51.25 | 42.77 |
| tblVehicleEF | LDT2 | 0.03 | 0.02 |
| tblVehicleEF | LDT2 | 0.02 | 0.11 |
| tblVehicleEF | LDT2 | 6.6300e-004 | 5.2800e-004 |
| tblVehicleEF | LDT2 | 9.5100e-004 | 6.3500e-004 |
| tblVehicleEF | LDT2 | 6.1000e-004 | 4.8700e-004 |
| tblVehicleEF | LDT2 | 8.7400e-004 | 5.8400e-004 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 0.04 | 0.04 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 4.6110e-003 | 2.4080e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.16 |
| tblVehicleEF | LDT2 | 0.01 | 0.08 |

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|---|---|---|---|
| tblVehicleEF | LDT2 | 2.3770e-003 | 2.1120e-003 |
| tblVehicleEF | LDT2 | 5.1900e-004 | 4.2300e-004 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 0.04 | 0.04 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 6.7180e-003 | 3.4670e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.16 |
| tblVehicleEF | LDT2 | 0.01 | 0.09 |
| tblVehicleEF | LDT2 | 2.1050e-003 | 9.3000e-004 |
| tblVehicleEF | LDT2 | 8.5200e-004 | 0.02 |
| tblVehicleEF | LDT2 | 0.46 | 0.53 |
| tblVehicleEF | LDT2 | 0.42 | 1.43 |
| tblVehicleEF | LDT2 | 259.40 | 228.68 |
| tblVehicleEF | LDT2 | 51.25 | 42.29 |
| tblVehicleEF | LDT2 | 0.02 | 0.02 |
| tblVehicleEF | LDT2 | 0.02 | 0.10 |
| tblVehicleEF | LDT2 | 6.6300e-004 | 5.2800e-004 |
| tblVehicleEF | LDT2 | 9.5100e-004 | 6.3500e-004 |
| tblVehicleEF | LDT2 | 6.1000e-004 | 4.8700e-004 |
| tblVehicleEF | LDT2 | 8.7400e-004 | 5.8400e-004 |
| tblVehicleEF | LDT2 | 0.04 | 0.07 |
| tblVehicleEF | LDT2 | 0.04 | 0.05 |
| tblVehicleEF | LDT2 | 0.04 | 0.06 |
| tblVehicleEF | LDT2 | 5.2360e-003 | 2.7170e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.16 |
| tblVehicleEF | LDT2 | 0.01 | 0.07 |
| tblVehicleEF | LDT2 | 2.5970e-003 | 2.2620e-003 |
| tblVehicleEF | LDT2 | 5.1800e-004 | 4.1800e-004 |
| tblVehicleEF | LDT2 | 0.04 | 0.07 |
| tblVehicleEF | LDT2 | 0.04 | 0.05 |

| | | | |
|---|---|---|---|
| tblVehicleEF | LDT2 | 0.04 | 0.06 |
| tblVehicleEF | LDT2 | 7.6310e-003 | 3.9180e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.16 |
| tblVehicleEF | LDT2 | 0.01 | 0.08 |
| tblVehicleEF | LDT2 | 1.8040e-003 | 7.8800e-004 |
| tblVehicleEF | LDT2 | 9.4400e-004 | 0.02 |
| tblVehicleEF | LDT2 | 0.36 | 0.41 |
| tblVehicleEF | LDT2 | 0.46 | 1.68 |
| tblVehicleEF | LDT2 | 232.43 | 209.90 |
| tblVehicleEF | LDT2 | 51.25 | 42.73 |
| tblVehicleEF | LDT2 | 0.02 | 0.02 |
| tblVehicleEF | LDT2 | 0.02 | 0.11 |
| tblVehicleEF | LDT2 | 6.6300e-004 | 5.2800e-004 |
| tblVehicleEF | LDT2 | 9.5100e-004 | 6.3500e-004 |
| tblVehicleEF | LDT2 | 6.1000e-004 | 4.8700e-004 |
| tblVehicleEF | LDT2 | 8.7400e-004 | 5.8400e-004 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 0.04 | 0.04 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 4.4930e-003 | 2.3500e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.19 |
| tblVehicleEF | LDT2 | 0.01 | 0.08 |
| tblVehicleEF | LDT2 | 2.3260e-003 | 2.0760e-003 |
| tblVehicleEF | LDT2 | 5.1900e-004 | 4.2300e-004 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 0.04 | 0.04 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 6.5470e-003 | 3.3820e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.19 |
| tblVehicleEF | LDT2 | 0.01 | 0.09 |

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|---|---|---|---|
| tblVehicleEF | LHD1 | 2.3700e-003 | 3.1740e-003 |
| tblVehicleEF | LHD1 | 1.4740e-003 | 1.2820e-003 |
| tblVehicleEF | LHD1 | 2.4440e-003 | 4.6000e-003 |
| tblVehicleEF | LHD1 | 0.12 | 0.17 |
| tblVehicleEF | LHD1 | 0.15 | 0.13 |
| tblVehicleEF | LHD1 | 0.92 | 0.71 |
| tblVehicleEF | LHD1 | 8.77 | 7.34 |
| tblVehicleEF | LHD1 | 529.63 | 507.43 |
| tblVehicleEF | LHD1 | 20.81 | 8.07 |
| tblVehicleEF | LHD1 | 0.04 | 0.03 |
| tblVehicleEF | LHD1 | 0.06 | 0.08 |
| tblVehicleEF | LHD1 | 0.23 | 0.17 |
| tblVehicleEF | LHD1 | 5.9400e-004 | 1.0370e-003 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 3.7090e-003 | 3.0240e-003 |
| tblVehicleEF | LHD1 | 4.3300e-004 | 1.7200e-004 |
| tblVehicleEF | LHD1 | 5.6800e-004 | 9.9200e-004 |
| tblVehicleEF | LHD1 | 2.6620e-003 | 2.5100e-003 |
| tblVehicleEF | LHD1 | 3.5340e-003 | 2.8720e-003 |
| tblVehicleEF | LHD1 | 3.9800e-004 | 1.5800e-004 |
| tblVehicleEF | LHD1 | 8.8800e-004 | 1.1440e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 5.6300e-004 | 7.2100e-004 |
| tblVehicleEF | LHD1 | 0.02 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.14 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 8.6000e-005 | 7.1000e-005 |
| tblVehicleEF | LHD1 | 5.1590e-003 | 4.9370e-003 |
| tblVehicleEF | LHD1 | 2.2300e-004 | 8.0000e-005 |

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|---|---|---|---|
| tblVehicleEF | LHD1 | 8.8800e-004 | 1.1440e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.02 |
| tblVehicleEF | LHD1 | 5.6300e-004 | 7.2100e-004 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.14 |
| tblVehicleEF | LHD1 | 0.04 | 0.02 |
| tblVehicleEF | LHD1 | 2.3700e-003 | 3.1830e-003 |
| tblVehicleEF | LHD1 | 1.4850e-003 | 1.2960e-003 |
| tblVehicleEF | LHD1 | 2.3260e-003 | 4.3920e-003 |
| tblVehicleEF | LHD1 | 0.12 | 0.17 |
| tblVehicleEF | LHD1 | 0.15 | 0.13 |
| tblVehicleEF | LHD1 | 0.87 | 0.67 |
| tblVehicleEF | LHD1 | 8.77 | 7.34 |
| tblVehicleEF | LHD1 | 529.63 | 507.43 |
| tblVehicleEF | LHD1 | 20.81 | 8.00 |
| tblVehicleEF | LHD1 | 0.04 | 0.03 |
| tblVehicleEF | LHD1 | 0.05 | 0.08 |
| tblVehicleEF | LHD1 | 0.22 | 0.16 |
| tblVehicleEF | LHD1 | 5.9400e-004 | 1.0370e-003 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 3.7090e-003 | 3.0240e-003 |
| tblVehicleEF | LHD1 | 4.3300e-004 | 1.7200e-004 |
| tblVehicleEF | LHD1 | 5.6800e-004 | 9.9200e-004 |
| tblVehicleEF | LHD1 | 2.6620e-003 | 2.5100e-003 |
| tblVehicleEF | LHD1 | 3.5340e-003 | 2.8720e-003 |
| tblVehicleEF | LHD1 | 3.9800e-004 | 1.5800e-004 |
| tblVehicleEF | LHD1 | 1.6870e-003 | 2.1770e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |

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|---|---|---|---|
| tblVehicleEF | LHD1 | 1.1580e-003 | 1.4920e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.14 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 8.6000e-005 | 7.1000e-005 |
| tblVehicleEF | LHD1 | 5.1590e-003 | 4.9370e-003 |
| tblVehicleEF | LHD1 | 2.2200e-004 | 7.9000e-005 |
| tblVehicleEF | LHD1 | 1.6870e-003 | 2.1770e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.02 |
| tblVehicleEF | LHD1 | 1.1580e-003 | 1.4920e-003 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.14 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 2.3700e-003 | 3.1760e-003 |
| tblVehicleEF | LHD1 | 1.4760e-003 | 1.2840e-003 |
| tblVehicleEF | LHD1 | 2.4240e-003 | 4.5650e-003 |
| tblVehicleEF | LHD1 | 0.12 | 0.17 |
| tblVehicleEF | LHD1 | 0.15 | 0.13 |
| tblVehicleEF | LHD1 | 0.91 | 0.71 |
| tblVehicleEF | LHD1 | 8.77 | 7.34 |
| tblVehicleEF | LHD1 | 529.63 | 507.43 |
| tblVehicleEF | LHD1 | 20.81 | 8.05 |
| tblVehicleEF | LHD1 | 0.04 | 0.03 |
| tblVehicleEF | LHD1 | 0.06 | 0.08 |
| tblVehicleEF | LHD1 | 0.23 | 0.16 |
| tblVehicleEF | LHD1 | 5.9400e-004 | 1.0370e-003 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 3.7090e-003 | 3.0240e-003 |
| tblVehicleEF | LHD1 | 4.3300e-004 | 1.7200e-004 |

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|---|---|---|---|
| tblVehicleEF | LHD1 | 5.6800e-004 | 9.9200e-004 |
| tblVehicleEF | LHD1 | 2.6620e-003 | 2.5100e-003 |
| tblVehicleEF | LHD1 | 3.5340e-003 | 2.8720e-003 |
| tblVehicleEF | LHD1 | 3.9800e-004 | 1.5800e-004 |
| tblVehicleEF | LHD1 | 8.1600e-004 | 1.0590e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 5.4400e-004 | 6.9800e-004 |
| tblVehicleEF | LHD1 | 0.02 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.15 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 8.6000e-005 | 7.1000e-005 |
| tblVehicleEF | LHD1 | 5.1590e-003 | 4.9370e-003 |
| tblVehicleEF | LHD1 | 2.2300e-004 | 8.0000e-005 |
| tblVehicleEF | LHD1 | 8.1600e-004 | 1.0590e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.02 |
| tblVehicleEF | LHD1 | 5.4400e-004 | 6.9800e-004 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.15 |
| tblVehicleEF | LHD1 | 0.04 | 0.02 |
| tblVehicleEF | LHD2 | 2.0550e-003 | 1.9790e-003 |
| tblVehicleEF | LHD2 | 1.8190e-003 | 2.5960e-003 |
| tblVehicleEF | LHD2 | 0.12 | 0.13 |
| tblVehicleEF | LHD2 | 0.14 | 0.15 |
| tblVehicleEF | LHD2 | 0.80 | 0.41 |
| tblVehicleEF | LHD2 | 13.27 | 11.72 |
| tblVehicleEF | LHD2 | 561.63 | 502.29 |
| tblVehicleEF | LHD2 | 20.88 | 5.25 |
| tblVehicleEF | LHD2 | 0.04 | 0.05 |

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|---|---|---|---|
| tblVehicleEF | LHD2 | 0.04 | 0.11 |
| tblVehicleEF | LHD2 | 0.17 | 0.09 |
| tblVehicleEF | LHD2 | 8.2400e-004 | 1.5310e-003 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 4.5960e-003 | 8.9230e-003 |
| tblVehicleEF | LHD2 | 3.8600e-004 | 9.9000e-005 |
| tblVehicleEF | LHD2 | 7.8800e-004 | 1.4650e-003 |
| tblVehicleEF | LHD2 | 2.7120e-003 | 2.7250e-003 |
| tblVehicleEF | LHD2 | 4.3850e-003 | 8.5250e-003 |
| tblVehicleEF | LHD2 | 3.5500e-004 | 9.1000e-005 |
| tblVehicleEF | LHD2 | 5.9400e-004 | 6.6600e-004 |
| tblVehicleEF | LHD2 | 0.01 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 3.6900e-004 | 4.2000e-004 |
| tblVehicleEF | LHD2 | 0.02 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.08 |
| tblVehicleEF | LHD2 | 0.02 | 0.01 |
| tblVehicleEF | LHD2 | 1.2900e-004 | 1.1200e-004 |
| tblVehicleEF | LHD2 | 5.4560e-003 | 4.8380e-003 |
| tblVehicleEF | LHD2 | 2.2200e-004 | 5.2000e-005 |
| tblVehicleEF | LHD2 | 5.9400e-004 | 6.6600e-004 |
| tblVehicleEF | LHD2 | 0.01 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 3.6900e-004 | 4.2000e-004 |
| tblVehicleEF | LHD2 | 0.03 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.08 |
| tblVehicleEF | LHD2 | 0.03 | 0.01 |
| tblVehicleEF | LHD2 | 2.0550e-003 | 1.9840e-003 |
| tblVehicleEF | LHD2 | 1.4530e-003 | 1.4520e-003 |
| tblVehicleEF | LHD2 | 1.8170e-003 | 2.4780e-003 |

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|---|---|---|---|
| tblVehicleEF | LHD2 | 0.12 | 0.13 |
| tblVehicleEF | LHD2 | 0.14 | 0.15 |
| tblVehicleEF | LHD2 | 0.76 | 0.38 |
| tblVehicleEF | LHD2 | 13.27 | 11.72 |
| tblVehicleEF | LHD2 | 561.63 | 502.29 |
| tblVehicleEF | LHD2 | 20.88 | 5.21 |
| tblVehicleEF | LHD2 | 0.04 | 0.05 |
| tblVehicleEF | LHD2 | 0.03 | 0.10 |
| tblVehicleEF | LHD2 | 0.17 | 0.09 |
| tblVehicleEF | LHD2 | 8.2400e-004 | 1.5310e-003 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 4.5960e-003 | 8.9230e-003 |
| tblVehicleEF | LHD2 | 3.8600e-004 | 9.9000e-005 |
| tblVehicleEF | LHD2 | 7.8800e-004 | 1.4650e-003 |
| tblVehicleEF | LHD2 | 2.7120e-003 | 2.7250e-003 |
| tblVehicleEF | LHD2 | 4.3850e-003 | 8.5250e-003 |
| tblVehicleEF | LHD2 | 3.5500e-004 | 9.1000e-005 |
| tblVehicleEF | LHD2 | 1.1370e-003 | 1.2660e-003 |
| tblVehicleEF | LHD2 | 0.02 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 7.7700e-004 | 8.6800e-004 |
| tblVehicleEF | LHD2 | 0.02 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.08 |
| tblVehicleEF | LHD2 | 0.02 | 9.9950e-003 |
| tblVehicleEF | LHD2 | 1.2900e-004 | 1.1200e-004 |
| tblVehicleEF | LHD2 | 5.4560e-003 | 4.8380e-003 |
| tblVehicleEF | LHD2 | 2.2100e-004 | 5.2000e-005 |
| tblVehicleEF | LHD2 | 1.1370e-003 | 1.2660e-003 |
| tblVehicleEF | LHD2 | 0.02 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |

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|---|---|---|---|
| tblVehicleEF | LHD2 | 7.7700e-004 | 8.6800e-004 |
| tblVehicleEF | LHD2 | 0.03 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.08 |
| tblVehicleEF | LHD2 | 0.03 | 0.01 |
| tblVehicleEF | LHD2 | 2.0550e-003 | 1.9800e-003 |
| tblVehicleEF | LHD2 | 1.8190e-003 | 2.5760e-003 |
| tblVehicleEF | LHD2 | 0.12 | 0.13 |
| tblVehicleEF | LHD2 | 0.14 | 0.15 |
| tblVehicleEF | LHD2 | 0.79 | 0.40 |
| tblVehicleEF | LHD2 | 13.27 | 11.72 |
| tblVehicleEF | LHD2 | 561.63 | 502.29 |
| tblVehicleEF | LHD2 | 20.88 | 5.24 |
| tblVehicleEF | LHD2 | 0.04 | 0.05 |
| tblVehicleEF | LHD2 | 0.04 | 0.11 |
| tblVehicleEF | LHD2 | 0.17 | 0.09 |
| tblVehicleEF | LHD2 | 8.2400e-004 | 1.5310e-003 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 4.5960e-003 | 8.9230e-003 |
| tblVehicleEF | LHD2 | 3.8600e-004 | 9.9000e-005 |
| tblVehicleEF | LHD2 | 7.8800e-004 | 1.4650e-003 |
| tblVehicleEF | LHD2 | 2.7120e-003 | 2.7250e-003 |
| tblVehicleEF | LHD2 | 4.3850e-003 | 8.5250e-003 |
| tblVehicleEF | LHD2 | 3.5500e-004 | 9.1000e-005 |
| tblVehicleEF | LHD2 | 5.6000e-004 | 6.1500e-004 |
| tblVehicleEF | LHD2 | 0.01 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 3.5700e-004 | 4.0700e-004 |
| tblVehicleEF | LHD2 | 0.02 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.09 |
| tblVehicleEF | LHD2 | 0.02 | 0.01 |

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|---|---|---|---|
| tblVehicleEF | LHD2 | 1.2900e-004 | 1.1200e-004 |
| tblVehicleEF | LHD2 | 5.4560e-003 | 4.8380e-003 |
| tblVehicleEF | LHD2 | 2.2200e-004 | 5.2000e-005 |
| tblVehicleEF | LHD2 | 5.6000e-004 | 6.1500e-004 |
| tblVehicleEF | LHD2 | 0.01 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 3.5700e-004 | 4.0700e-004 |
| tblVehicleEF | LHD2 | 0.03 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.09 |
| tblVehicleEF | LHD2 | 0.03 | 0.01 |
| tblVehicleEF | MCY | 0.45 | 0.31 |
| tblVehicleEF | MCY | 0.15 | 0.23 |
| tblVehicleEF | MCY | 17.23 | 17.23 |
| tblVehicleEF | MCY | 10.21 | 9.09 |
| tblVehicleEF | MCY | 172.59 | 209.98 |
| tblVehicleEF | MCY | 40.72 | 56.78 |
| tblVehicleEF | MCY | 1.13 | 1.13 |
| tblVehicleEF | MCY | 0.31 | 0.27 |
| tblVehicleEF | MCY | 2.2430e-003 | 2.2380e-003 |
| tblVehicleEF | MCY | 3.3690e-003 | 2.9880e-003 |
| tblVehicleEF | MCY | 2.0910e-003 | 2.0860e-003 |
| tblVehicleEF | MCY | 3.1400e-003 | 2.7850e-003 |
| tblVehicleEF | MCY | 1.42 | 1.42 |
| tblVehicleEF | MCY | 0.71 | 0.72 |
| tblVehicleEF | MCY | 0.74 | 0.74 |
| tblVehicleEF | MCY | 2.08 | 2.08 |
| tblVehicleEF | MCY | 0.34 | 1.23 |
| tblVehicleEF | MCY | 1.98 | 1.76 |
| tblVehicleEF | MCY | 2.0700e-003 | 2.0780e-003 |
| tblVehicleEF | MCY | 6.3200e-004 | 5.6200e-004 |

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|---|---|---|---|
| tblVehicleEF | MCY | 1.42 | 1.42 |
| tblVehicleEF | MCY | 0.71 | 0.72 |
| tblVehicleEF | MCY | 0.74 | 0.74 |
| tblVehicleEF | MCY | 2.61 | 2.61 |
| tblVehicleEF | MCY | 0.34 | 1.23 |
| tblVehicleEF | MCY | 2.16 | 1.92 |
| tblVehicleEF | MCY | 0.45 | 0.31 |
| tblVehicleEF | MCY | 0.13 | 0.21 |
| tblVehicleEF | MCY | 17.39 | 17.39 |
| tblVehicleEF | MCY | 9.03 | 8.01 |
| tblVehicleEF | MCY | 172.59 | 210.12 |
| tblVehicleEF | MCY | 40.72 | 54.30 |
| tblVehicleEF | MCY | 0.96 | 0.96 |
| tblVehicleEF | MCY | 0.29 | 0.25 |
| tblVehicleEF | MCY | 2.2430e-003 | 2.2380e-003 |
| tblVehicleEF | MCY | 3.3690e-003 | 2.9880e-003 |
| tblVehicleEF | MCY | 2.0910e-003 | 2.0860e-003 |
| tblVehicleEF | MCY | 3.1400e-003 | 2.7850e-003 |
| tblVehicleEF | MCY | 3.03 | 3.05 |
| tblVehicleEF | MCY | 1.12 | 1.14 |
| tblVehicleEF | MCY | 1.95 | 1.97 |
| tblVehicleEF | MCY | 2.05 | 2.05 |
| tblVehicleEF | MCY | 0.34 | 1.23 |
| tblVehicleEF | MCY | 1.74 | 1.54 |
| tblVehicleEF | MCY | 2.0710e-003 | 2.0790e-003 |
| tblVehicleEF | MCY | 6.0500e-004 | 5.3700e-004 |
| tblVehicleEF | MCY | 3.03 | 3.05 |
| tblVehicleEF | MCY | 1.12 | 1.14 |
| tblVehicleEF | MCY | 1.95 | 1.97 |
| tblVehicleEF | MCY | 2.58 | 2.57 |

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|---|---|---|---|
| tblVehicleEF | MCY | 0.34 | 1.23 |
| tblVehicleEF | MCY | 1.89 | 1.68 |
| tblVehicleEF | MCY | 0.45 | 0.31 |
| tblVehicleEF | MCY | 0.14 | 0.23 |
| tblVehicleEF | MCY | 16.57 | 16.57 |
| tblVehicleEF | MCY | 9.90 | 8.79 |
| tblVehicleEF | MCY | 172.59 | 208.84 |
| tblVehicleEF | MCY | 40.72 | 56.14 |
| tblVehicleEF | MCY | 1.09 | 1.09 |
| tblVehicleEF | MCY | 0.31 | 0.26 |
| tblVehicleEF | MCY | 2.2430e-003 | 2.2380e-003 |
| tblVehicleEF | MCY | 3.3690e-003 | 2.9880e-003 |
| tblVehicleEF | MCY | 2.0910e-003 | 2.0860e-003 |
| tblVehicleEF | MCY | 3.1400e-003 | 2.7850e-003 |
| tblVehicleEF | MCY | 1.64 | 1.65 |
| tblVehicleEF | MCY | 0.93 | 0.94 |
| tblVehicleEF | MCY | 0.65 | 0.66 |
| tblVehicleEF | MCY | 2.06 | 2.05 |
| tblVehicleEF | MCY | 0.40 | 1.45 |
| tblVehicleEF | MCY | 1.94 | 1.71 |
| tblVehicleEF | MCY | 2.0590e-003 | 2.0670e-003 |
| tblVehicleEF | MCY | 6.2600e-004 | 5.5600e-004 |
| tblVehicleEF | MCY | 1.64 | 1.65 |
| tblVehicleEF | MCY | 0.93 | 0.94 |
| tblVehicleEF | MCY | 0.65 | 0.66 |
| tblVehicleEF | MCY | 2.58 | 2.58 |
| tblVehicleEF | MCY | 0.40 | 1.45 |
| tblVehicleEF | MCY | 2.11 | 1.87 |
| tblVehicleEF | MDV | 2.0300e-003 | 8.0100e-004 |
| tblVehicleEF | MDV | 1.1120e-003 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | MDV | 0.41 | 0.42 |
| tblVehicleEF | MDV | 0.52 | 1.66 |
| tblVehicleEF | MDV | 308.49 | 257.45 |
| tblVehicleEF | MDV | 65.25 | 50.34 |
| tblVehicleEF | MDV | 0.03 | 0.02 |
| tblVehicleEF | MDV | 0.02 | 0.12 |
| tblVehicleEF | MDV | 6.8600e-004 | 5.0200e-004 |
| tblVehicleEF | MDV | 9.7200e-004 | 6.1900e-004 |
| tblVehicleEF | MDV | 6.3200e-004 | 4.6300e-004 |
| tblVehicleEF | MDV | 8.9400e-004 | 5.6900e-004 |
| tblVehicleEF | MDV | 0.05 | 0.06 |
| tblVehicleEF | MDV | 0.07 | 0.06 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 5.1430e-003 | 2.4100e-003 |
| tblVehicleEF | MDV | 0.04 | 0.16 |
| tblVehicleEF | MDV | 0.02 | 0.08 |
| tblVehicleEF | MDV | 3.0820e-003 | 2.5440e-003 |
| tblVehicleEF | MDV | 6.6000e-004 | 4.9800e-004 |
| tblVehicleEF | MDV | 0.05 | 0.06 |
| tblVehicleEF | MDV | 0.07 | 0.06 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 7.4620e-003 | 3.4640e-003 |
| tblVehicleEF | MDV | 0.04 | 0.16 |
| tblVehicleEF | MDV | 0.02 | 0.09 |
| tblVehicleEF | MDV | 2.3040e-003 | 9.2200e-004 |
| tblVehicleEF | MDV | 9.9100e-004 | 0.02 |
| tblVehicleEF | MDV | 0.50 | 0.52 |
| tblVehicleEF | MDV | 0.47 | 1.39 |
| tblVehicleEF | MDV | 335.87 | 272.21 |
| tblVehicleEF | MDV | 65.25 | 49.87 |

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|---|---|---|---|
| tblVehicleEF | MDV | 0.02 | 0.02 |
| tblVehicleEF | MDV | 0.02 | 0.11 |
| tblVehicleEF | MDV | 6.8600e-004 | 5.0200e-004 |
| tblVehicleEF | MDV | 9.7200e-004 | 6.1900e-004 |
| tblVehicleEF | MDV | 6.3200e-004 | 4.6300e-004 |
| tblVehicleEF | MDV | 8.9400e-004 | 5.6900e-004 |
| tblVehicleEF | MDV | 0.10 | 0.11 |
| tblVehicleEF | MDV | 0.08 | 0.07 |
| tblVehicleEF | MDV | 0.09 | 0.11 |
| tblVehicleEF | MDV | 5.8210e-003 | 2.7160e-003 |
| tblVehicleEF | MDV | 0.04 | 0.16 |
| tblVehicleEF | MDV | 0.01 | 0.07 |
| tblVehicleEF | MDV | 3.3570e-003 | 2.6900e-003 |
| tblVehicleEF | MDV | 6.5900e-004 | 4.9300e-004 |
| tblVehicleEF | MDV | 0.10 | 0.11 |
| tblVehicleEF | MDV | 0.08 | 0.07 |
| tblVehicleEF | MDV | 0.09 | 0.11 |
| tblVehicleEF | MDV | 8.4510e-003 | 3.9120e-003 |
| tblVehicleEF | MDV | 0.04 | 0.16 |
| tblVehicleEF | MDV | 0.01 | 0.07 |
| tblVehicleEF | MDV | 1.9790e-003 | 7.8200e-004 |
| tblVehicleEF | MDV | 1.1100e-003 | 0.02 |
| tblVehicleEF | MDV | 0.39 | 0.40 |
| tblVehicleEF | MDV | 0.52 | 1.63 |
| tblVehicleEF | MDV | 302.11 | 253.97 |
| tblVehicleEF | MDV | 65.25 | 50.29 |
| tblVehicleEF | MDV | 0.03 | 0.02 |
| tblVehicleEF | MDV | 0.02 | 0.11 |
| tblVehicleEF | MDV | 6.8600e-004 | 5.0200e-004 |
| tblVehicleEF | MDV | 9.7200e-004 | 6.1900e-004 |

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|---|---|---|---|
| tblVehicleEF | MDV | 6.3200e-004 | 4.6300e-004 |
| tblVehicleEF | MDV | 8.9400e-004 | 5.6900e-004 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 0.08 | 0.06 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 5.0170e-003 | 2.3530e-003 |
| tblVehicleEF | MDV | 0.04 | 0.19 |
| tblVehicleEF | MDV | 0.01 | 0.08 |
| tblVehicleEF | MDV | 3.0180e-003 | 2.5090e-003 |
| tblVehicleEF | MDV | 6.6000e-004 | 4.9800e-004 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 0.08 | 0.06 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 7.2770e-003 | 3.3810e-003 |
| tblVehicleEF | MDV | 0.04 | 0.19 |
| tblVehicleEF | MDV | 0.02 | 0.09 |
| tblVehicleEF | MH | 3.0780e-003 | 1.9990e-003 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 0.14 | 0.12 |
| tblVehicleEF | MH | 3.02 | 1.12 |
| tblVehicleEF | MH | 1,013.72 | 1,146.94 |
| tblVehicleEF | MH | 55.50 | 12.67 |
| tblVehicleEF | MH | 0.48 | 0.71 |
| tblVehicleEF | MH | 0.50 | 0.17 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 4.3110e-003 | 5.8600e-003 |
| tblVehicleEF | MH | 8.9400e-004 | 2.1300e-004 |
| tblVehicleEF | MH | 3.2190e-003 | 3.3080e-003 |
| tblVehicleEF | MH | 4.0920e-003 | 5.5770e-003 |
| tblVehicleEF | MH | 8.2200e-004 | 1.9600e-004 |

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|---|---|---|---|
| tblVehicleEF | MH | 0.37 | 0.31 |
| tblVehicleEF | MH | 0.02 | 0.01 |
| tblVehicleEF | MH | 0.18 | 0.15 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 2.7260e-003 | 0.17 |
| tblVehicleEF | MH | 0.18 | 0.06 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 6.0700e-004 | 1.2500e-004 |
| tblVehicleEF | MH | 0.37 | 0.31 |
| tblVehicleEF | MH | 0.02 | 0.01 |
| tblVehicleEF | MH | 0.18 | 0.15 |
| tblVehicleEF | MH | 0.02 | 0.02 |
| tblVehicleEF | MH | 2.7260e-003 | 0.17 |
| tblVehicleEF | MH | 0.20 | 0.07 |
| tblVehicleEF | MH | 3.1500e-003 | 2.0350e-003 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 0.14 | 0.13 |
| tblVehicleEF | MH | 2.77 | 1.03 |
| tblVehicleEF | MH | 1,013.72 | 1,146.94 |
| tblVehicleEF | MH | 55.50 | 12.51 |
| tblVehicleEF | MH | 0.44 | 0.65 |
| tblVehicleEF | MH | 0.48 | 0.17 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 4.3110e-003 | 5.8600e-003 |
| tblVehicleEF | MH | 8.9400e-004 | 2.1300e-004 |
| tblVehicleEF | MH | 3.2190e-003 | 3.3080e-003 |
| tblVehicleEF | MH | 4.0920e-003 | 5.5770e-003 |
| tblVehicleEF | MH | 8.2200e-004 | 1.9600e-004 |
| tblVehicleEF | MH | 0.70 | 0.59 |
| tblVehicleEF | MH | 0.02 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | MH | 0.37 | 0.31 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 2.7150e-003 | 0.17 |
| tblVehicleEF | MH | 0.17 | 0.06 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 6.0300e-004 | 1.2400e-004 |
| tblVehicleEF | MH | 0.70 | 0.59 |
| tblVehicleEF | MH | 0.02 | 0.02 |
| tblVehicleEF | MH | 0.37 | 0.31 |
| tblVehicleEF | MH | 0.02 | 0.02 |
| tblVehicleEF | MH | 2.7150e-003 | 0.17 |
| tblVehicleEF | MH | 0.19 | 0.06 |
| tblVehicleEF | MH | 3.0850e-003 | 2.0030e-003 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 0.14 | 0.12 |
| tblVehicleEF | MH | 3.00 | 1.12 |
| tblVehicleEF | MH | 1,013.72 | 1,146.94 |
| tblVehicleEF | MH | 55.50 | 12.66 |
| tblVehicleEF | MH | 0.47 | 0.69 |
| tblVehicleEF | MH | 0.50 | 0.17 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 4.3110e-003 | 5.8600e-003 |
| tblVehicleEF | MH | 8.9400e-004 | 2.1300e-004 |
| tblVehicleEF | MH | 3.2190e-003 | 3.3080e-003 |
| tblVehicleEF | MH | 4.0920e-003 | 5.5770e-003 |
| tblVehicleEF | MH | 8.2200e-004 | 1.9600e-004 |
| tblVehicleEF | MH | 0.35 | 0.29 |
| tblVehicleEF | MH | 0.02 | 0.01 |
| tblVehicleEF | MH | 0.17 | 0.14 |
| tblVehicleEF | MH | 0.01 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | MH | 2.9270e-003 | 0.18 |
| tblVehicleEF | MH | 0.18 | 0.06 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 6.0700e-004 | 1.2500e-004 |
| tblVehicleEF | MH | 0.35 | 0.29 |
| tblVehicleEF | MH | 0.02 | 0.01 |
| tblVehicleEF | MH | 0.17 | 0.14 |
| tblVehicleEF | MH | 0.02 | 0.02 |
| tblVehicleEF | MH | 2.9270e-003 | 0.18 |
| tblVehicleEF | MH | 0.20 | 0.07 |
| tblVehicleEF | MHD | 0.02 | 2.9730e-003 |
| tblVehicleEF | MHD | 1.5750e-003 | 4.9600e-004 |
| tblVehicleEF | MHD | 0.03 | 5.8120e-003 |
| tblVehicleEF | MHD | 0.29 | 0.32 |
| tblVehicleEF | MHD | 0.16 | 0.08 |
| tblVehicleEF | MHD | 2.26 | 0.44 |
| tblVehicleEF | MHD | 153.75 | 46.82 |
| tblVehicleEF | MHD | 1,078.59 | 773.61 |
| tblVehicleEF | MHD | 47.29 | 5.46 |
| tblVehicleEF | MHD | 0.40 | 0.25 |
| tblVehicleEF | MHD | 0.53 | 0.98 |
| tblVehicleEF | MHD | 11.96 | 1.84 |
| tblVehicleEF | MHD | 3.0000e-005 | 6.3000e-005 |
| tblVehicleEF | MHD | 2.6280e-003 | 7.4750e-003 |
| tblVehicleEF | MHD | 6.9500e-004 | 8.5000e-005 |
| tblVehicleEF | MHD | 2.9000e-005 | 6.0000e-005 |
| tblVehicleEF | MHD | 2.5110e-003 | 7.1470e-003 |
| tblVehicleEF | MHD | 6.3900e-004 | 7.8000e-005 |
| tblVehicleEF | MHD | 6.7900e-004 | 2.9800e-004 |
| tblVehicleEF | MHD | 0.02 | 9.7430e-003 |

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|---|---|---|---|
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 4.2500e-004 | 1.8700e-004 |
| tblVehicleEF | MHD | 0.03 | 7.2500e-003 |
| tblVehicleEF | MHD | 8.9470e-003 | 0.05 |
| tblVehicleEF | MHD | 0.15 | 0.03 |
| tblVehicleEF | MHD | 1.4770e-003 | 4.4400e-004 |
| tblVehicleEF | MHD | 0.01 | 7.3750e-003 |
| tblVehicleEF | MHD | 5.1300e-004 | 5.4000e-005 |
| tblVehicleEF | MHD | 6.7900e-004 | 2.9800e-004 |
| tblVehicleEF | MHD | 0.02 | 9.7430e-003 |
| tblVehicleEF | MHD | 0.03 | 0.02 |
| tblVehicleEF | MHD | 4.2500e-004 | 1.8700e-004 |
| tblVehicleEF | MHD | 0.03 | 8.4700e-003 |
| tblVehicleEF | MHD | 8.9470e-003 | 0.05 |
| tblVehicleEF | MHD | 0.17 | 0.03 |
| tblVehicleEF | MHD | 0.02 | 2.8360e-003 |
| tblVehicleEF | MHD | 1.5840e-003 | 5.0200e-004 |
| tblVehicleEF | MHD | 0.02 | 5.5560e-003 |
| tblVehicleEF | MHD | 0.21 | 0.28 |
| tblVehicleEF | MHD | 0.16 | 0.08 |
| tblVehicleEF | MHD | 2.11 | 0.41 |
| tblVehicleEF | MHD | 162.86 | 46.34 |
| tblVehicleEF | MHD | 1,078.59 | 773.61 |
| tblVehicleEF | MHD | 47.29 | 5.41 |
| tblVehicleEF | MHD | 0.41 | 0.24 |
| tblVehicleEF | MHD | 0.50 | 0.92 |
| tblVehicleEF | MHD | 11.95 | 1.84 |
| tblVehicleEF | MHD | 2.6000e-005 | 5.6000e-005 |
| tblVehicleEF | MHD | 2.6280e-003 | 7.4750e-003 |
| tblVehicleEF | MHD | 6.9500e-004 | 8.5000e-005 |

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|---|---|---|---|
| tblVehicleEF | MHD | 2.5000e-005 | 5.3000e-005 |
| tblVehicleEF | MHD | 2.5110e-003 | 7.1470e-003 |
| tblVehicleEF | MHD | 6.3900e-004 | 7.8000e-005 |
| tblVehicleEF | MHD | 1.2990e-003 | 5.6800e-004 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 8.9000e-004 | 3.8900e-004 |
| tblVehicleEF | MHD | 0.03 | 7.2680e-003 |
| tblVehicleEF | MHD | 8.9680e-003 | 0.05 |
| tblVehicleEF | MHD | 0.15 | 0.03 |
| tblVehicleEF | MHD | 1.5630e-003 | 4.4000e-004 |
| tblVehicleEF | MHD | 0.01 | 7.3750e-003 |
| tblVehicleEF | MHD | 5.1000e-004 | 5.4000e-005 |
| tblVehicleEF | MHD | 1.2990e-003 | 5.6800e-004 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 0.03 | 0.02 |
| tblVehicleEF | MHD | 8.9000e-004 | 3.8900e-004 |
| tblVehicleEF | MHD | 0.03 | 8.4970e-003 |
| tblVehicleEF | MHD | 8.9680e-003 | 0.05 |
| tblVehicleEF | MHD | 0.16 | 0.03 |
| tblVehicleEF | MHD | 0.02 | 3.1790e-003 |
| tblVehicleEF | MHD | 1.5760e-003 | 4.9600e-004 |
| tblVehicleEF | MHD | 0.03 | 5.7400e-003 |
| tblVehicleEF | MHD | 0.41 | 0.38 |
| tblVehicleEF | MHD | 0.16 | 0.08 |
| tblVehicleEF | MHD | 2.22 | 0.43 |
| tblVehicleEF | MHD | 141.16 | 47.47 |
| tblVehicleEF | MHD | 1,078.59 | 773.61 |
| tblVehicleEF | MHD | 47.29 | 5.45 |
| tblVehicleEF | MHD | 0.38 | 0.27 |

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|---|---|---|---|
| tblVehicleEF | MHD | 0.52 | 0.96 |
| tblVehicleEF | MHD | 11.96 | 1.84 |
| tblVehicleEF | MHD | 3.7000e-005 | 7.2000e-005 |
| tblVehicleEF | MHD | 2.6280e-003 | 7.4750e-003 |
| tblVehicleEF | MHD | 6.9500e-004 | 8.5000e-005 |
| tblVehicleEF | MHD | 3.5000e-005 | 6.9000e-005 |
| tblVehicleEF | MHD | 2.5110e-003 | 7.1470e-003 |
| tblVehicleEF | MHD | 6.3900e-004 | 7.8000e-005 |
| tblVehicleEF | MHD | 6.3300e-004 | 2.7700e-004 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 4.1100e-004 | 1.8000e-004 |
| tblVehicleEF | MHD | 0.03 | 7.2520e-003 |
| tblVehicleEF | MHD | 9.7910e-003 | 0.05 |
| tblVehicleEF | MHD | 0.15 | 0.03 |
| tblVehicleEF | MHD | 1.3580e-003 | 4.5000e-004 |
| tblVehicleEF | MHD | 0.01 | 7.3750e-003 |
| tblVehicleEF | MHD | 5.1200e-004 | 5.4000e-005 |
| tblVehicleEF | MHD | 6.3300e-004 | 2.7700e-004 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 0.03 | 0.02 |
| tblVehicleEF | MHD | 4.1100e-004 | 1.8000e-004 |
| tblVehicleEF | MHD | 0.03 | 8.4730e-003 |
| tblVehicleEF | MHD | 9.7910e-003 | 0.05 |
| tblVehicleEF | MHD | 0.17 | 0.03 |
| tblVehicleEF | OBUS | 0.01 | 9.0480e-003 |
| tblVehicleEF | OBUS | 2.8630e-003 | 1.1380e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.24 | 0.55 |
| tblVehicleEF | OBUS | 0.18 | 0.13 |

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|---|---|---|---|
| tblVehicleEF | OBUS | 3.71 | 1.30 |
| tblVehicleEF | OBUS | 63.70 | 61.60 |
| tblVehicleEF | OBUS | 1,099.49 | 1,126.05 |
| tblVehicleEF | OBUS | 67.73 | 14.87 |
| tblVehicleEF | OBUS | 0.13 | 0.28 |
| tblVehicleEF | OBUS | 0.31 | 0.92 |
| tblVehicleEF | OBUS | 1.58 | 0.83 |
| tblVehicleEF | OBUS | 1.1000e-005 | 9.6000e-005 |
| tblVehicleEF | OBUS | 2.0010e-003 | 6.6340e-003 |
| tblVehicleEF | OBUS | 1.0960e-003 | 2.3300e-004 |
| tblVehicleEF | OBUS | 1.1000e-005 | 9.1000e-005 |
| tblVehicleEF | OBUS | 1.8890e-003 | 6.3250e-003 |
| tblVehicleEF | OBUS | 1.0080e-003 | 2.1400e-004 |
| tblVehicleEF | OBUS | 1.7850e-003 | 1.8400e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.03 | 0.05 |
| tblVehicleEF | OBUS | 8.4700e-004 | 8.8800e-004 |
| tblVehicleEF | OBUS | 0.02 | 8.2420e-003 |
| tblVehicleEF | OBUS | 0.05 | 0.21 |
| tblVehicleEF | OBUS | 0.25 | 0.08 |
| tblVehicleEF | OBUS | 6.2000e-004 | 5.8700e-004 |
| tblVehicleEF | OBUS | 0.01 | 0.01 |
| tblVehicleEF | OBUS | 7.4200e-004 | 1.4700e-004 |
| tblVehicleEF | OBUS | 1.7850e-003 | 1.8400e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.04 | 0.06 |
| tblVehicleEF | OBUS | 8.4700e-004 | 8.8800e-004 |
| tblVehicleEF | OBUS | 0.02 | 0.01 |
| tblVehicleEF | OBUS | 0.05 | 0.21 |
| tblVehicleEF | OBUS | 0.27 | 0.09 |

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|---|---|---|---|
| tblVehicleEF | OBUS | 0.01 | 9.1370e-003 |
| tblVehicleEF | OBUS | 2.9230e-003 | 1.1660e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.24 | 0.54 |
| tblVehicleEF | OBUS | 0.18 | 0.13 |
| tblVehicleEF | OBUS | 3.41 | 1.20 |
| tblVehicleEF | OBUS | 66.50 | 60.92 |
| tblVehicleEF | OBUS | 1,099.49 | 1,126.06 |
| tblVehicleEF | OBUS | 67.73 | 14.69 |
| tblVehicleEF | OBUS | 0.13 | 0.27 |
| tblVehicleEF | OBUS | 0.29 | 0.85 |
| tblVehicleEF | OBUS | 1.55 | 0.82 |
| tblVehicleEF | OBUS | 1.0000e-005 | 8.5000e-005 |
| tblVehicleEF | OBUS | 2.0010e-003 | 6.6340e-003 |
| tblVehicleEF | OBUS | 1.0960e-003 | 2.3300e-004 |
| tblVehicleEF | OBUS | 9.0000e-006 | 8.1000e-005 |
| tblVehicleEF | OBUS | 1.8890e-003 | 6.3250e-003 |
| tblVehicleEF | OBUS | 1.0080e-003 | 2.1400e-004 |
| tblVehicleEF | OBUS | 3.4090e-003 | 3.4870e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.03 | 0.05 |
| tblVehicleEF | OBUS | 1.8280e-003 | 1.8700e-003 |
| tblVehicleEF | OBUS | 0.02 | 8.3270e-003 |
| tblVehicleEF | OBUS | 0.05 | 0.21 |
| tblVehicleEF | OBUS | 0.23 | 0.08 |
| tblVehicleEF | OBUS | 6.4700e-004 | 5.8100e-004 |
| tblVehicleEF | OBUS | 0.01 | 0.01 |
| tblVehicleEF | OBUS | 7.3700e-004 | 1.4500e-004 |
| tblVehicleEF | OBUS | 3.4090e-003 | 3.4870e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | OBUS | 0.04 | 0.07 |
| tblVehicleEF | OBUS | 1.8280e-003 | 1.8700e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.01 |
| tblVehicleEF | OBUS | 0.05 | 0.21 |
| tblVehicleEF | OBUS | 0.26 | 0.08 |
| tblVehicleEF | OBUS | 0.01 | 8.9730e-003 |
| tblVehicleEF | OBUS | 2.8700e-003 | 1.1410e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.25 | 0.55 |
| tblVehicleEF | OBUS | 0.18 | 0.13 |
| tblVehicleEF | OBUS | 3.68 | 1.29 |
| tblVehicleEF | OBUS | 59.84 | 62.53 |
| tblVehicleEF | OBUS | 1,099.49 | 1,126.05 |
| tblVehicleEF | OBUS | 67.73 | 14.86 |
| tblVehicleEF | OBUS | 0.12 | 0.30 |
| tblVehicleEF | OBUS | 0.30 | 0.90 |
| tblVehicleEF | OBUS | 1.57 | 0.83 |
| tblVehicleEF | OBUS | 1.4000e-005 | 1.1000e-004 |
| tblVehicleEF | OBUS | 2.0010e-003 | 6.6340e-003 |
| tblVehicleEF | OBUS | 1.0960e-003 | 2.3300e-004 |
| tblVehicleEF | OBUS | 1.3000e-005 | 1.0500e-004 |
| tblVehicleEF | OBUS | 1.8890e-003 | 6.3250e-003 |
| tblVehicleEF | OBUS | 1.0080e-003 | 2.1400e-004 |
| tblVehicleEF | OBUS | 1.7080e-003 | 1.7150e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.03 | 0.05 |
| tblVehicleEF | OBUS | 8.2900e-004 | 8.6700e-004 |
| tblVehicleEF | OBUS | 0.02 | 8.2510e-003 |
| tblVehicleEF | OBUS | 0.05 | 0.22 |
| tblVehicleEF | OBUS | 0.25 | 0.08 |

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|---|---|---|---|
| tblVehicleEF | OBUS | 5.8300e-004 | 5.9600e-004 |
| tblVehicleEF | OBUS | 0.01 | 0.01 |
| tblVehicleEF | OBUS | 7.4200e-004 | 1.4700e-004 |
| tblVehicleEF | OBUS | 1.7080e-003 | 1.7150e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.05 | 0.06 |
| tblVehicleEF | OBUS | 8.2900e-004 | 8.6700e-004 |
| tblVehicleEF | OBUS | 0.02 | 0.01 |
| tblVehicleEF | OBUS | 0.05 | 0.22 |
| tblVehicleEF | OBUS | 0.27 | 0.09 |
| tblVehicleEF | SBUS | 0.84 | 0.07 |
| tblVehicleEF | SBUS | 3.4940e-003 | 1.1460e-003 |
| tblVehicleEF | SBUS | 0.05 | 5.9990e-003 |
| tblVehicleEF | SBUS | 7.49 | 3.27 |
| tblVehicleEF | SBUS | 0.27 | 0.15 |
| tblVehicleEF | SBUS | 5.31 | 0.67 |
| tblVehicleEF | SBUS | 1,041.59 | 264.71 |
| tblVehicleEF | SBUS | 1,009.44 | 797.71 |
| tblVehicleEF | SBUS | 51.04 | 4.32 |
| tblVehicleEF | SBUS | 2.26 | 1.21 |
| tblVehicleEF | SBUS | 0.89 | 1.27 |
| tblVehicleEF | SBUS | 12.25 | 1.95 |
| tblVehicleEF | SBUS | 1.6700e-004 | 2.9600e-004 |
| tblVehicleEF | SBUS | 0.01 | 0.01 |
| tblVehicleEF | SBUS | 2.6080e-003 | 3.2600e-003 |
| tblVehicleEF | SBUS | 1.1460e-003 | 8.6000e-005 |
| tblVehicleEF | SBUS | 1.6000e-004 | 2.8300e-004 |
| tblVehicleEF | SBUS | 2.6280e-003 | 2.6360e-003 |
| tblVehicleEF | SBUS | 2.4730e-003 | 3.0970e-003 |
| tblVehicleEF | SBUS | 1.0540e-003 | 7.9000e-005 |

| | | | |
|---|---|---|---|
| tblVehicleEF | SBUS | 4.8020e-003 | 1.5390e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 0.91 | 0.33 |
| tblVehicleEF | SBUS | 2.3030e-003 | 7.4500e-004 |
| tblVehicleEF | SBUS | 0.04 | 9.8310e-003 |
| tblVehicleEF | SBUS | 0.02 | 0.07 |
| tblVehicleEF | SBUS | 0.30 | 0.03 |
| tblVehicleEF | SBUS | 0.01 | 2.5280e-003 |
| tblVehicleEF | SBUS | 9.7350e-003 | 7.6480e-003 |
| tblVehicleEF | SBUS | 6.0300e-004 | 4.3000e-005 |
| tblVehicleEF | SBUS | 4.8020e-003 | 1.5390e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 1.32 | 0.48 |
| tblVehicleEF | SBUS | 2.3030e-003 | 7.4500e-004 |
| tblVehicleEF | SBUS | 0.05 | 0.01 |
| tblVehicleEF | SBUS | 0.02 | 0.07 |
| tblVehicleEF | SBUS | 0.32 | 0.04 |
| tblVehicleEF | SBUS | 0.84 | 0.07 |
| tblVehicleEF | SBUS | 3.5520e-003 | 1.1750e-003 |
| tblVehicleEF | SBUS | 0.04 | 4.8670e-003 |
| tblVehicleEF | SBUS | 7.45 | 3.25 |
| tblVehicleEF | SBUS | 0.27 | 0.16 |
| tblVehicleEF | SBUS | 3.62 | 0.46 |
| tblVehicleEF | SBUS | 1,088.52 | 261.66 |
| tblVehicleEF | SBUS | 1,009.44 | 797.72 |
| tblVehicleEF | SBUS | 51.04 | 3.96 |
| tblVehicleEF | SBUS | 2.33 | 1.15 |
| tblVehicleEF | SBUS | 0.84 | 1.19 |
| tblVehicleEF | SBUS | 12.23 | 1.94 |
| tblVehicleEF | SBUS | 1.4100e-004 | 2.6300e-004 |

| | | | |
|---|---|---|---|
| tblVehicleEF | SBUS | 0.01 | 0.01 |
| tblVehicleEF | SBUS | 2.6080e-003 | 3.2600e-003 |
| tblVehicleEF | SBUS | 1.1460e-003 | 8.6000e-005 |
| tblVehicleEF | SBUS | 1.3500e-004 | 2.5200e-004 |
| tblVehicleEF | SBUS | 2.6280e-003 | 2.6360e-003 |
| tblVehicleEF | SBUS | 2.4730e-003 | 3.0970e-003 |
| tblVehicleEF | SBUS | 1.0540e-003 | 7.9000e-005 |
| tblVehicleEF | SBUS | 9.1300e-003 | 2.9130e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 0.91 | 0.33 |
| tblVehicleEF | SBUS | 4.8940e-003 | 1.5610e-003 |
| tblVehicleEF | SBUS | 0.04 | 9.9490e-003 |
| tblVehicleEF | SBUS | 0.01 | 0.06 |
| tblVehicleEF | SBUS | 0.24 | 0.03 |
| tblVehicleEF | SBUS | 0.01 | 2.4990e-003 |
| tblVehicleEF | SBUS | 9.7350e-003 | 7.6480e-003 |
| tblVehicleEF | SBUS | 5.7400e-004 | 3.9000e-005 |
| tblVehicleEF | SBUS | 9.1300e-003 | 2.9130e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 1.32 | 0.48 |
| tblVehicleEF | SBUS | 4.8940e-003 | 1.5610e-003 |
| tblVehicleEF | SBUS | 0.05 | 0.01 |
| tblVehicleEF | SBUS | 0.01 | 0.06 |
| tblVehicleEF | SBUS | 0.26 | 0.03 |
| tblVehicleEF | SBUS | 0.84 | 0.07 |
| tblVehicleEF | SBUS | 3.4960e-003 | 1.1470e-003 |
| tblVehicleEF | SBUS | 0.05 | 6.0700e-003 |
| tblVehicleEF | SBUS | 7.54 | 3.28 |
| tblVehicleEF | SBUS | 0.27 | 0.15 |
| tblVehicleEF | SBUS | 5.35 | 0.68 |

| | | | |
|---|---|---|---|
| tblVehicleEF | SBUS | 976.79 | 268.93 |
| tblVehicleEF | SBUS | 1,009.44 | 797.71 |
| tblVehicleEF | SBUS | 51.04 | 4.33 |
| tblVehicleEF | SBUS | 2.16 | 1.30 |
| tblVehicleEF | SBUS | 0.88 | 1.25 |
| tblVehicleEF | SBUS | 12.25 | 1.95 |
| tblVehicleEF | SBUS | 2.0400e-004 | 3.4200e-004 |
| tblVehicleEF | SBUS | 0.01 | 0.01 |
| tblVehicleEF | SBUS | 2.6080e-003 | 3.2600e-003 |
| tblVehicleEF | SBUS | 1.1460e-003 | 8.6000e-005 |
| tblVehicleEF | SBUS | 1.9500e-004 | 3.2700e-004 |
| tblVehicleEF | SBUS | 2.6280e-003 | 2.6360e-003 |
| tblVehicleEF | SBUS | 2.4730e-003 | 3.0970e-003 |
| tblVehicleEF | SBUS | 1.0540e-003 | 7.9000e-005 |
| tblVehicleEF | SBUS | 4.5130e-003 | 1.4240e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 0.91 | 0.33 |
| tblVehicleEF | SBUS | 2.2490e-003 | 7.2700e-004 |
| tblVehicleEF | SBUS | 0.04 | 9.8350e-003 |
| tblVehicleEF | SBUS | 0.02 | 0.08 |
| tblVehicleEF | SBUS | 0.30 | 0.03 |
| tblVehicleEF | SBUS | 9.5830e-003 | 2.5680e-003 |
| tblVehicleEF | SBUS | 9.7350e-003 | 7.6480e-003 |
| tblVehicleEF | SBUS | 6.0300e-004 | 4.3000e-005 |
| tblVehicleEF | SBUS | 4.5130e-003 | 1.4240e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 1.32 | 0.47 |
| tblVehicleEF | SBUS | 2.2490e-003 | 7.2700e-004 |
| tblVehicleEF | SBUS | 0.05 | 0.01 |
| tblVehicleEF | SBUS | 0.02 | 0.08 |

| | | | |
|---|---|---|---|
| tblVehicleEF | SBUS | 0.33 | 0.04 |
| tblVehicleEF | UBUS | 0.79 | 4.23 |
| tblVehicleEF | UBUS | 0.06 | 0.02 |
| tblVehicleEF | UBUS | 3.89 | 32.93 |
| tblVehicleEF | UBUS | 7.80 | 1.43 |
| tblVehicleEF | UBUS | 1,683.21 | 1,660.54 |
| tblVehicleEF | UBUS | 146.97 | 14.28 |
| tblVehicleEF | UBUS | 0.44 | 0.41 |
| tblVehicleEF | UBUS | 11.66 | 0.28 |
| tblVehicleEF | UBUS | 0.48 | 0.08 |
| tblVehicleEF | UBUS | 0.01 | 0.03 |
| tblVehicleEF | UBUS | 1.7350e-003 | 2.7300e-003 |
| tblVehicleEF | UBUS | 1.7320e-003 | 2.1800e-004 |
| tblVehicleEF | UBUS | 0.21 | 0.03 |
| tblVehicleEF | UBUS | 3.0000e-003 | 6.3130e-003 |
| tblVehicleEF | UBUS | 1.6160e-003 | 2.5940e-003 |
| tblVehicleEF | UBUS | 1.5920e-003 | 2.0000e-004 |
| tblVehicleEF | UBUS | 4.8450e-003 | 1.5660e-003 |
| tblVehicleEF | UBUS | 0.05 | 0.01 |
| tblVehicleEF | UBUS | 3.0640e-003 | 9.3600e-004 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.75 | 0.07 |
| tblVehicleEF | UBUS | 8.0120e-003 | 3.1230e-003 |
| tblVehicleEF | UBUS | 1.6140e-003 | 1.4100e-004 |
| tblVehicleEF | UBUS | 4.8450e-003 | 1.5660e-003 |
| tblVehicleEF | UBUS | 0.05 | 0.01 |
| tblVehicleEF | UBUS | 3.0640e-003 | 9.3600e-004 |
| tblVehicleEF | UBUS | 0.81 | 4.32 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |

| | | | |
|---|---|---|---|
| tblVehicleEF | UBUS | 0.82 | 0.08 |
| tblVehicleEF | UBUS | 0.79 | 4.23 |
| tblVehicleEF | UBUS | 0.05 | 0.02 |
| tblVehicleEF | UBUS | 3.90 | 32.93 |
| tblVehicleEF | UBUS | 6.46 | 1.18 |
| tblVehicleEF | UBUS | 1,683.21 | 1,660.54 |
| tblVehicleEF | UBUS | 146.97 | 13.85 |
| tblVehicleEF | UBUS | 0.40 | 0.40 |
| tblVehicleEF | UBUS | 11.59 | 0.26 |
| tblVehicleEF | UBUS | 0.48 | 0.08 |
| tblVehicleEF | UBUS | 0.01 | 0.03 |
| tblVehicleEF | UBUS | 1.7350e-003 | 2.7300e-003 |
| tblVehicleEF | UBUS | 1.7320e-003 | 2.1800e-004 |
| tblVehicleEF | UBUS | 0.21 | 0.03 |
| tblVehicleEF | UBUS | 3.0000e-003 | 6.3130e-003 |
| tblVehicleEF | UBUS | 1.6160e-003 | 2.5940e-003 |
| tblVehicleEF | UBUS | 1.5920e-003 | 2.0000e-004 |
| tblVehicleEF | UBUS | 8.9640e-003 | 2.9660e-003 |
| tblVehicleEF | UBUS | 0.07 | 0.02 |
| tblVehicleEF | UBUS | 6.6200e-003 | 2.0890e-003 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.67 | 0.06 |
| tblVehicleEF | UBUS | 8.0120e-003 | 3.1230e-003 |
| tblVehicleEF | UBUS | 1.5910e-003 | 1.3700e-004 |
| tblVehicleEF | UBUS | 8.9640e-003 | 2.9660e-003 |
| tblVehicleEF | UBUS | 0.07 | 0.02 |
| tblVehicleEF | UBUS | 6.6200e-003 | 2.0890e-003 |
| tblVehicleEF | UBUS | 0.82 | 4.32 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |

| | | | |
|---|---|---|---|
| tblVehicleEF | UBUS | 0.74 | 0.07 |
| tblVehicleEF | UBUS | 0.79 | 4.23 |
| tblVehicleEF | UBUS | 0.06 | 0.02 |
| tblVehicleEF | UBUS | 3.89 | 32.93 |
| tblVehicleEF | UBUS | 7.58 | 1.40 |
| tblVehicleEF | UBUS | 1,683.21 | 1,660.54 |
| tblVehicleEF | UBUS | 146.97 | 14.22 |
| tblVehicleEF | UBUS | 0.43 | 0.41 |
| tblVehicleEF | UBUS | 11.65 | 0.27 |
| tblVehicleEF | UBUS | 0.48 | 0.08 |
| tblVehicleEF | UBUS | 0.01 | 0.03 |
| tblVehicleEF | UBUS | 1.7350e-003 | 2.7300e-003 |
| tblVehicleEF | UBUS | 1.7320e-003 | 2.1800e-004 |
| tblVehicleEF | UBUS | 0.21 | 0.03 |
| tblVehicleEF | UBUS | 3.0000e-003 | 6.3130e-003 |
| tblVehicleEF | UBUS | 1.6160e-003 | 2.5940e-003 |
| tblVehicleEF | UBUS | 1.5920e-003 | 2.0000e-004 |
| tblVehicleEF | UBUS | 4.5770e-003 | 1.5720e-003 |
| tblVehicleEF | UBUS | 0.06 | 0.01 |
| tblVehicleEF | UBUS | 2.9830e-003 | 9.1600e-004 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.02 | 0.08 |
| tblVehicleEF | UBUS | 0.74 | 0.07 |
| tblVehicleEF | UBUS | 8.0120e-003 | 3.1230e-003 |
| tblVehicleEF | UBUS | 1.6110e-003 | 1.4100e-004 |
| tblVehicleEF | UBUS | 4.5770e-003 | 1.5720e-003 |
| tblVehicleEF | UBUS | 0.06 | 0.01 |
| tblVehicleEF | UBUS | 2.9830e-003 | 9.1600e-004 |
| tblVehicleEF | UBUS | 0.81 | 4.32 |
| tblVehicleEF | UBUS | 0.02 | 0.08 |

| | | | |
|---|---|---|---|
| tblVehicleEF | UBUS | 0.81 | 0.07 |
| tblVehicleTrips | ST_TR | 204.47 | 76.44 |
| tblVehicleTrips | ST_TR | 696.00 | 173.15 |
| tblVehicleTrips | ST_TR | 1.50 | 1.84 |
| tblVehicleTrips | ST_TR | 1.32 | 5.12 |
| tblVehicleTrips | ST_TR | 2.46 | 9.74 |
| tblVehicleTrips | ST_TR | 158.37 | 56.08 |
| tblVehicleTrips | ST_TR | 1.49 | 3.93 |
| tblVehicleTrips | ST_TR | 49.97 | 25.54 |
| tblVehicleTrips | ST_TR | 1.68 | 1.73 |
| tblVehicleTrips | SU_TR | 166.88 | 76.44 |
| tblVehicleTrips | SU_TR | 500.00 | 173.15 |
| tblVehicleTrips | SU_TR | 1.50 | 1.84 |
| tblVehicleTrips | SU_TR | 0.68 | 5.12 |
| tblVehicleTrips | SU_TR | 1.05 | 9.74 |
| tblVehicleTrips | SU_TR | 131.84 | 56.08 |
| tblVehicleTrips | SU_TR | 0.62 | 3.93 |
| tblVehicleTrips | SU_TR | 25.24 | 25.54 |
| tblVehicleTrips | SU_TR | 1.68 | 1.73 |
| tblVehicleTrips | WD_TR | 542.60 | 76.44 |
| tblVehicleTrips | WD_TR | 716.00 | 173.15 |
| tblVehicleTrips | WD_TR | 1.50 | 1.84 |
| tblVehicleTrips | WD_TR | 6.97 | 5.12 |
| tblVehicleTrips | WD_TR | 11.03 | 9.74 |
| tblVehicleTrips | WD_TR | 127.15 | 56.08 |
| tblVehicleTrips | WD_TR | 3.82 | 3.93 |
| tblVehicleTrips | WD_TR | 42.70 | 25.54 |
| tblVehicleTrips | WD_TR | 1.68 | 1.73 |

## 2.0 Emissions Summary

## 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 | | | | | |
| 2045 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Maximum** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | | | | | |
| 2045 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Maximum** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | 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** |

## 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 | 619.0131 | 0.0236 | 2.6253 | 2.0000e-004 | | 9.3100e-003 | 9.3100e-003 | | 9.3100e-003 | 9.3100e-003 | | 5.6635 | 5.6635 | 0.0146 | | 6.0282 |
| Energy | 10.6055 | 96.4139 | 80.9877 | 0.5785 | | 7.3275 | 7.3275 | | 7.3275 | 7.3275 | | 115,696.7187 | 115,696.7187 | 2.2175 | 2.1211 | 116,384.2464 |
| Mobile | 69.9726 | 293.8466 | 833.8682 | 3.1007 | 419.2379 | 2.5639 | 421.8018 | 111.8841 | 2.4296 | 114.3137 | | 321,058.0179 | 321,058.0179 | 13.2951 | | 321,390.3962 |
| **Total** | **699.5912** | **390.2841** | **917.4812** | **3.6794** | **419.2379** | **9.9006** | **429.1385** | **111.8841** | **9.7664** | **121.6505** | | **436,760.4001** | **436,760.4001** | **15.5272** | **2.1211** | **437,780.6709** |

**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 | 586.1907 | 0.0236 | 2.6253 | 2.0000e-004 | | 9.3100e-003 | 9.3100e-003 | | 9.3100e-003 | 9.3100e-003 | | 5.6635 | 5.6635 | 0.0146 | | 6.0282 |
| Energy | 8.9627 | 81.4793 | 68.4426 | 0.4889 | | 6.1924 | 6.1924 | | 6.1924 | 6.1924 | | 97,775.1432 | 97,775.1432 | 1.8740 | 1.7925 | 98,356.1720 |
| Mobile | 69.9726 | 293.8466 | 833.8682 | 3.1007 | 419.2379 | 2.5639 | 421.8018 | 111.8841 | 2.4296 | 114.3137 | | 321,058.0179 | 321,058.0179 | 13.2951 | | 321,390.3962 |
| **Total** | **665.1260** | **375.3495** | **904.9361** | **3.5898** | **419.2379** | **8.7656** | **428.0035** | **111.8841** | **8.6314** | **120.5154** | | **418,838.8246** | **418,838.8246** | **15.1837** | **1.7925** | **419,752.5965** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **4.93** | **3.83** | **1.37** | **2.44** | **0.00** | **11.46** | **0.26** | **0.00** | **11.62** | **0.93** | **0.00** | **4.10** | **4.10** | **2.21** | **15.49** | **4.12** |

## 3.0 Construction Detail

**Construction Phase**

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Demolition | Demolition | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 2 | Site Preparation | Site Preparation | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 3 | Grading | Grading | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 4 | Building Construction | Building Construction | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 5 | Paving | Paving | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 6 | Architectural Coating | Architectural Coating | 12/31/2045 | 12/31/2045 | 5 | 0 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 38,770,668; Non-Residential Outdoor: 12,923,556; Striped Parking**

**OffRoad Equipment**

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Demolition | Excavators | 0 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Grading | Excavators | 0 | 8.00 | 158 | 0.38 |
| Grading | Graders | 0 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 0 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 0 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 0 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 0 | 8.00 | 46 | 0.45 |

| | | | | | |
|---|---|---|---|---|---|
| Paving | Pavers | 0 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 0 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 0 | 8.00 | 80 | 0.38 |
| Architectural Coating | Air Compressors | 0 | 6.00 | 78 | 0.48 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 0 | 10,818.00 | 4,236.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 0 | 2,164.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

## 3.2 Demolition - 2045

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.3 Site Preparation - 2045

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.4 Grading - 2045

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.5 Building Construction - 2045

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.6 Paving - 2045

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.7 Architectural Coating - 2045

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 69.9726 | 293.8466 | 833.8682 | 3.1007 | 419.2379 | 2.5639 | 421.8018 | 111.8841 | 2.4296 | 114.3137 | | 321,058.0179 | 321,058.0179 | 13.2951 | | 321,390.3962 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unmitigated | 69.9726 | 293.8466 | 833.8682 | 3.1007 | 419.2379 | 2.5639 | 421.8018 | 111.8841 | 2.4296 | 114.3137 | | 321,058.0179 | 321,058.0179 | 13.2951 | | 321,390.3962 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Convenience Market With Gas Pumps | 2,751.84 | 2,751.84 | 2751.84 | 1,476,099 | 1,476,099 |
| Fast Food Restaurant w/o Drive Thru | 1,125.48 | 1,125.48 | 1125.48 | 1,814,905 | 1,814,905 |
| General Heavy Industry | 5,060.00 | 5,060.00 | 5060.00 | 14,772,726 | 14,772,726 |
| General Light Industry | 12,928.41 | 12,928.41 | 12928.41 | 37,744,636 | 37,744,636 |
| General Office Building | 3,360.30 | 3,360.30 | 3360.30 | 8,030,286 | 8,030,286 |
| High Turnover (Sit Down Restaurant) | 1,009.44 | 1,009.44 | 1009.44 | 1,171,217 | 1,171,217 |
| Manufacturing | 17,888.46 | 17,888.46 | 17888.46 | 52,225,547 | 52,225,547 |
| Regional Shopping Center | 842.82 | 842.82 | 842.82 | 1,477,720 | 1,477,720 |
| Unrefrigerated Warehouse-No Rail | 27,009.94 | 27,009.94 | 27009.94 | 78,855,810 | 78,855,810 |
| Total | 71,976.68 | 71,976.68 | 71,976.68 | 197,568,947 | 197,568,947 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | 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 |
| Convenience Market With Gas Pumps | 9.50 | 7.30 | 7.30 | 0.80 | 80.20 | 19.00 | 14 | 21 | 65 |
| Fast Food Restaurant w/o Drive Thru | 9.50 | 7.30 | 7.30 | 1.50 | 79.50 | 19.00 | 51 | 37 | 12 |
| General Heavy Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| High Turnover (Sit Down Restaurant) | 9.50 | 7.30 | 7.30 | 8.50 | 72.50 | 19.00 | 37 | 20 | 43 |
| Manufacturing | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |
| Unrefrigerated Warehouse-No Rail | 9.50 | 7.30 | 7.30 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Convenience Market With Gas Pumps | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Fast Food Restaurant w/o Drive Thru | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| General Heavy Industry | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Light Industry | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |
| General Office Building | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| High Turnover (Sit Down Restaurant) | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Manufacturing | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |
| Regional Shopping Center | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Unrefrigerated Warehouse-No Rail | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 8.9627 | 81.4793 | 68.4426 | 0.4889 | | 6.1924 | 6.1924 | | 6.1924 | 6.1924 | | 97,775.1432 | 97,775.1432 | 1.8740 | 1.7925 | 98,356.1720 |
| NaturalGas Unmitigated | 10.6055 | 96.4139 | 80.9877 | 0.5785 | | 7.3275 | 7.3275 | | 7.3275 | 7.3275 | | 115,696.7187 | 115,696.7187 | 2.2175 | 2.1211 | 116,384.2464 |

### 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 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Convenience Market With Gas Pumps | 30.9115 | 3.3000e-004 | 3.0300e-003 | 2.5500e-003 | 2.0000e-005 | | 2.3000e-004 | 2.3000e-004 | | 2.3000e-004 | 2.3000e-004 | | 3.6367 | 3.6367 | 7.0000e-005 | 7.0000e-005 | 3.6583 |
| Fast Food Restaurant w/o Drive Thru | 4869.48 | 0.0525 | 0.4774 | 0.4010 | 2.8600e-003 | | 0.0363 | 0.0363 | | 0.0363 | 0.0363 | | 572.8799 | 572.8799 | 0.0110 | 0.0105 | 576.2843 |
| General Heavy Industry | 244788 | 2.6399 | 23.9988 | 20.1590 | 0.1440 | | 1.8239 | 1.8239 | | 1.8239 | 1.8239 | | 28,798.5496 | 28,798.5496 | 0.5520 | 0.5280 | 28,969.6849 |
| General Light Industry | 224767 | 2.4240 | 22.0360 | 18.5102 | 0.1322 | | 1.6747 | 1.6747 | | 1.6747 | 1.6747 | | 26,443.1424 | 26,443.1424 | 0.5068 | 0.4848 | 26,600.2807 |
| General Office Building | 3279.86 | 0.0354 | 0.3216 | 0.2701 | 1.9300e-003 | | 0.0244 | 0.0244 | | 0.0244 | 0.0244 | | 385.8662 | 385.8662 | 7.4000e-003 | 7.0700e-003 | 388.1593 |
| High Turnover (Sit Down Restaurant) | 13484.7 | 0.1454 | 1.3220 | 1.1105 | 7.9300e-003 | | 0.1005 | 0.1005 | | 0.1005 | 0.1005 | | 1,586.4367 | 1,586.4367 | 0.0304 | 0.0291 | 1,595.8641 |
| Manufacturing | 405170 | 4.3695 | 39.7225 | 33.3669 | 0.2383 | | 3.0189 | 3.0189 | | 3.0189 | 3.0189 | | 47,667.0451 | 47,667.0451 | 0.9136 | 0.8739 | 47,950.3065 |
| Regional Shopping Center | 200.712 | 2.1600e-003 | 0.0197 | 0.0165 | 1.2000e-004 | | 1.5000e-003 | 1.5000e-003 | | 1.5000e-003 | 1.5000e-003 | | 23.6132 | 23.6132 | 4.5000e-004 | 4.3000e-004 | 23.7535 |
| Unrefrigerated Warehouse-No Rail | 86832.2 | 0.9364 | 8.5130 | 7.1509 | 0.0511 | | 0.6470 | 0.6470 | | 0.6470 | 0.6470 | | 10,215.5489 | 10,215.5489 | 0.1958 | 0.1873 | 10,276.2548 |
| **Total** | | **10.6055** | **96.4139** | **80.9877** | **0.5785** | | **7.3275** | **7.3275** | | **7.3275** | **7.3275** | | **115,696.7187** | **115,696.7187** | **2.2175** | **2.1211** | **116,384.2464** |

## 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 | | | | | |
| Convenience Market With Gas Pumps | 0.0228912 | 2.5000e-004 | 2.2400e-003 | 1.8900e-003 | 1.0000e-005 | | 1.7000e-004 | 1.7000e-004 | | 1.7000e-004 | 1.7000e-004 | | 2.6931 | 2.6931 | 5.0000e-005 | 5.0000e-005 | 2.7091 |
| Fast Food Restaurant w/o Drive Thru | 4.45453 | 0.0480 | 0.4367 | 0.3668 | 2.6200e-003 | | 0.0332 | 0.0332 | | 0.0332 | 0.0332 | | 524.0624 | 524.0624 | 0.0100 | 9.6100e-003 | 527.1766 |
| General Heavy Industry | 210.07 | 2.2655 | 20.5951 | 17.2999 | 0.1236 | | 1.5652 | 1.5652 | | 1.5652 | 1.5652 | | 24,714.1015 | 24,714.1015 | 0.4737 | 0.4531 | 24,860.9651 |
| General Light Industry | 192.888 | 2.0802 | 18.9106 | 15.8849 | 0.1135 | | 1.4372 | 1.4372 | | 1.4372 | 1.4372 | | 22,692.7576 | 22,692.7576 | 0.4349 | 0.4160 | 22,827.6094 |
| General Office Building | 2.2959 | 0.0248 | 0.2251 | 0.1891 | 1.3500e-003 | | 0.0171 | 0.0171 | | 0.0171 | 0.0171 | | 270.1064 | 270.1064 | 5.1800e-003 | 4.9500e-003 | 271.7115 |
| High Turnover (Sit Down Restaurant) | 12.3356 | 0.1330 | 1.2094 | 1.0159 | 7.2600e-003 | | 0.0919 | 0.0919 | | 0.0919 | 0.0919 | | 1,451.2496 | 1,451.2496 | 0.0278 | 0.0266 | 1,459.8737 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Manufacturing | 347.705 | 3.7498 | 34.0888 | 28.6346 | 0.2045 | | 2.5908 | 2.5908 | | 2.5908 | 2.5908 | | 40,906.5113 | 40,906.5113 | 0.7840 | 0.7500 | 41,149.5982 |
| Regional Shopping Center | 0.148636 | 1.6000e-003 | 0.0146 | 0.0122 | 9.0000e-005 | | 1.1100e-003 | 1.1100e-003 | | 1.1100e-003 | 1.1100e-003 | | 17.4865 | 17.4865 | 3.4000e-004 | 3.2000e-004 | 17.5905 |
| Unrefrigerated Warehouse-No Rail | 61.1675 | 0.6597 | 5.9968 | 5.0373 | 0.0360 | | 0.4558 | 0.4558 | | 0.4558 | 0.4558 | | 7,196.1748 | 7,196.1748 | 0.1379 | 0.1319 | 7,238.9381 |
| **Total** | | **8.9627** | **81.4793** | **68.4426** | **0.4889** | | **6.1924** | **6.1924** | | **6.1924** | **6.1924** | | **97,775.1433** | **97,775.1433** | **1.8740** | **1.7925** | **98,356.1720** |

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 586.1907 | 0.0236 | 2.6253 | 2.0000e-004 | | 9.3100e-003 | 9.3100e-003 | | 9.3100e-003 | 9.3100e-003 | | 5.6635 | 5.6635 | 0.0146 | | 6.0282 |
| Unmitigated | 619.0131 | 0.0236 | 2.6253 | 2.0000e-004 | | 9.3100e-003 | 9.3100e-003 | | 9.3100e-003 | 9.3100e-003 | | 5.6635 | 5.6635 | 0.0146 | | 6.0282 |

### 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 | 65.6446 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 553.1282 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.2402 | 0.0236 | 2.6253 | 2.0000e-004 | | 9.3100e-003 | 9.3100e-003 | | 9.3100e-003 | 9.3100e-003 | | 5.6635 | 5.6635 | 0.0146 | | 6.0282 |
| **Total** | **619.0131** | **0.0236** | **2.6253** | **2.0000e-004** | | **9.3100e-003** | **9.3100e-003** | | **9.3100e-003** | **9.3100e-003** | | **5.6635** | **5.6635** | **0.0146** | | **6.0282** |

**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 | 32.8223 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 553.1282 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.2402 | 0.0236 | 2.6253 | 2.0000e-004 | | 9.3100e-003 | 9.3100e-003 | | 9.3100e-003 | 9.3100e-003 | | 5.6635 | 5.6635 | 0.0146 | | 6.0282 |
| **Total** | **586.1907** | **0.0236** | **2.6253** | **2.0000e-004** | | **9.3100e-003** | **9.3100e-003** | | **9.3100e-003** | **9.3100e-003** | | **5.6635** | **5.6635** | **0.0146** | | **6.0282** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

## 11.0 Vegetation

# SCLA Specific Plan EIR - Mitigated Operational

**San Bernardino-Mojave Desert County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Office Building | 345.00 | 1000sqft | 799.20 | 345,000.00 | 0 |
| General Heavy Industry | 2,750.00 | 1000sqft | 799.20 | 2,750,000.00 | 0 |
| General Light Industry | 2,525.08 | 1000sqft | 799.20 | 2,525,080.00 | 0 |
| Manufacturing | 4,551.77 | 1000sqft | 799.20 | 4,551,770.00 | 0 |
| Unrefrigerated Warehouse-No Rail | 15,612.68 | 1000sqft | 797.76 | 15,612,680.00 | 0 |
| Fast Food Restaurant w/o Drive Thru | 6.50 | 1000sqft | 0.15 | 6,500.00 | 0 |
| High Turnover (Sit Down Restaurant) | 18.00 | 1000sqft | 0.41 | 18,000.00 | 0 |
| Convenience Market With Gas Pumps | 36.00 | Pump | 0.12 | 5,082.30 | 0 |
| Regional Shopping Center | 33.00 | 1000sqft | 0.76 | 33,000.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.6 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 10 | | | **Operational Year** | 2050 |
| **Utility Company** | Statewide Average | | | | |
| **CO2 Intensity (lb/MWhr)** | 0 | **CH4 Intensity (lb/MWhr)** | 0 | **N2O Intensity (lb/MWhr)** | 0 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - Statewide Average with 100% reduction due to goals & regulation in SB 100 (2045 - 100% renewable energy).

Land Use - Based off the Land Use Intensities in the Michael Baker International, Southern California Logistics Airport Specific Plan Traffic Impact Analysis, April 23, 2020, and information from the Applicant.

Construction Phase - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Grading - Operational Run Only.

Architectural Coating - MDAQMD Rule 1113

Vehicle Trips - Per the traffic study the project would have 71,971 ADT.

Vehicle Emission Factors - EMFAC2017 Model Run for San Bernardino County (2050)

Vehicle Emission Factors - EMFAC2017 Model Run for San Bernardino County (2050)

Vehicle Emission Factors - EMFAC2017 Model Run for San Bernardino County (2050)

Area Coating - MDAQMD Rule 1113

Energy Use -

Mobile Land Use Mitigation -

Area Mitigation - MDAQMD Rule 1113

Energy Mitigation - 2019 Title 24 Requirements are 30% more efficient than model 2016 Title 24 standards.

Water Mitigation - 2019 Title 24 & CalGreen.

Waste Mitigation - AB 341 post 2020 requirement.

Fleet Mix - According to the TIA and communication with the traffic engineer, only the manufacturing, warehousing, and light industrial uses would have truck trips, thus 100% LDA (passenger cars) was assumed.

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
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| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 100.00 |
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| tblAreaCoating | Area_EF_Nonresidential_Interior | 250 | 100 |

| | | | |
|---|---|---|---|
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| tblAreaCoating | Area_EF_Residential_Exterior | 250 | 100 |
| tblAreaCoating | Area_EF_Residential_Interior | 250 | 100 |
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| tblAreaMitigation | UseLowVOCPaintNonresidentialInterior Value | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintParkingCheck | False | True |
| tblAreaMitigation | UseLowVOCPaintParkingValue | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintResidentialExteriorValue | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintResidentialInteriorValue | 100 | 50 |
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| tblConstructionPhase | NumDays | 155,000.00 | 0.00 |
| tblConstructionPhase | NumDays | 10,000.00 | 0.00 |
| tblConstructionPhase | NumDays | 15,500.00 | 0.00 |
| tblConstructionPhase | NumDays | 11,000.00 | 0.00 |
| tblConstructionPhase | NumDays | 6,000.00 | 0.00 |
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| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.07 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.07 |
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| tblFleetMix | LDA | 0.57 | 1.00 |
| tblFleetMix | LDA | 0.57 | 1.00 |
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| tblFleetMix | LDA | 0.57 | 1.00 |
| tblFleetMix | LDA | 0.57 | 1.00 |

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| tblFleetMix | LDA | 0.57 | 0.57 |
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| tblFleetMix | LDT1 | 0.03 | 0.00 |
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| tblFleetMix | LDT1 | 0.03 | 0.00 |
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| tblFleetMix | LDT1 | 0.03 | 0.03 |
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| tblFleetMix | LDT1 | 0.03 | 0.03 |
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| tblFleetMix | LDT2 | 0.18 | 0.00 |
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| tblFleetMix | MDV | 0.10 | 0.10 |
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| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.10 |
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| tblFleetMix | MH | 5.0700e-004 | 0.00 |

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| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.02 |
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| tblFleetMix | OBUS | 1.3930e-003 | 1.3890e-003 |
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| tblFleetMix | SBUS | 7.0100e-004 | 0.00 |

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| tblFleetMix | UBUS | 1.2670e-003 | 1.2680e-003 |
| tblFleetMix | UBUS | 1.2670e-003 | 0.00 |
| tblFleetMix | UBUS | 1.2670e-003 | 0.00 |
| tblFleetMix | UBUS | 1.2670e-003 | 1.2680e-003 |
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| tblFleetMix | UBUS | 1.2670e-003 | 1.2680e-003 |
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| tblLandUse | LotAcreage | 358.42 | 797.76 |
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| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |

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| tblProjectCharacteristics | CO2IntensityFactor | 1001.57 | 0 |
| tblProjectCharacteristics | N2OIntensityFactor | 0.006 | 0 |
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| tblVehicleEF | HHD | 17.41 | 7.10 |
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| tblVehicleEF | HHD | 0.04 | 0.04 |
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| tblVehicleEF | HHD | 6.1000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.6340e-003 | 2.4500e-003 |
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| tblVehicleEF | HHD | 8.8770e-003 | 8.9080e-003 |

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| tblVehicleEF | HHD | 0.06 | 0.02 |
| tblVehicleEF | HHD | 1.3800e-004 | 1.4700e-004 |
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| tblVehicleEF | HHD | 0.06 | 0.01 |
| tblVehicleEF | HHD | 0.01 | 8.8470e-003 |
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| tblVehicleEF | HHD | 0.78 | 0.03 |
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| tblVehicleEF | HHD | 17.97 | 6.75 |
| tblVehicleEF | HHD | 1.02 | 1.82 |

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| tblVehicleEF | HHD | 1.1800e-004 | 2.0000e-006 |
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| tblVehicleEF | HHD | 0.53 | 0.63 |
| tblVehicleEF | HHD | 8.1000e-005 | 1.0000e-006 |
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| tblVehicleEF | HHD | 1.3900e-004 | 1.4700e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | HHD | 0.06 | 0.01 |
| tblVehicleEF | HHD | 0.01 | 8.8470e-003 |
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| tblVehicleEF | HHD | 2.2440e-003 | 3.3000e-005 |
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| tblVehicleEF | HHD | 8.1000e-005 | 1.0000e-006 |
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| tblVehicleEF | HHD | 0.89 | 0.03 |
| tblVehicleEF | HHD | 0.03 | 0.03 |

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| tblVehicleEF | HHD | 16.63 | 7.59 |
| tblVehicleEF | HHD | 1.07 | 1.90 |
| tblVehicleEF | HHD | 20.19 | 2.35 |
| tblVehicleEF | HHD | 2.0790e-003 | 2.9560e-003 |
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| tblVehicleEF | HHD | 0.04 | 0.04 |
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| tblVehicleEF | HHD | 6.1000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.9890e-003 | 2.8280e-003 |
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| tblVehicleEF | HHD | 8.8770e-003 | 8.9080e-003 |
| tblVehicleEF | HHD | 4.6770e-003 | 0.02 |
| tblVehicleEF | HHD | 5.6000e-005 | 0.00 |
| tblVehicleEF | HHD | 5.7000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 2.1340e-003 | 3.1000e-005 |
| tblVehicleEF | HHD | 0.61 | 0.55 |
| tblVehicleEF | HHD | 3.7000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.06 | 0.02 |
| tblVehicleEF | HHD | 1.5100e-004 | 1.6100e-004 |
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| tblVehicleEF | HHD | 0.05 | 0.01 |
| tblVehicleEF | HHD | 0.01 | 8.8470e-003 |
| tblVehicleEF | HHD | 7.5000e-005 | 0.00 |

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|---|---|---|---|
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| tblVehicleEF | LDA | 0.01 | 0.11 |
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| tblVehicleEF | LDA | 7.9200e-004 | 6.0900e-004 |
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| tblVehicleEF | LDA | 0.03 | 0.03 |
| tblVehicleEF | LDA | 9.2080e-003 | 0.01 |
| tblVehicleEF | LDA | 3.0650e-003 | 1.6070e-003 |
| tblVehicleEF | LDA | 0.02 | 0.14 |
| tblVehicleEF | LDA | 6.4280e-003 | 0.06 |
| tblVehicleEF | LDA | 1.6220e-003 | 1.8070e-003 |
| tblVehicleEF | LDA | 3.5000e-004 | 3.5400e-004 |
| tblVehicleEF | LDA | 0.01 | 0.02 |
| tblVehicleEF | LDA | 0.03 | 0.03 |
| tblVehicleEF | LDA | 9.2080e-003 | 0.01 |

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|---|---|---|---|
| tblVehicleEF | LDA | 4.4570e-003 | 2.3290e-003 |
| tblVehicleEF | LDA | 0.02 | 0.14 |
| tblVehicleEF | LDA | 7.0380e-003 | 0.06 |
| tblVehicleEF | LDA | 1.3920e-003 | 6.7400e-004 |
| tblVehicleEF | LDA | 3.9800e-004 | 0.01 |
| tblVehicleEF | LDA | 0.30 | 0.45 |
| tblVehicleEF | LDA | 0.25 | 1.07 |
| tblVehicleEF | LDA | 177.52 | 199.49 |
| tblVehicleEF | LDA | 34.63 | 35.40 |
| tblVehicleEF | LDA | 0.02 | 0.01 |
| tblVehicleEF | LDA | 9.5520e-003 | 0.10 |
| tblVehicleEF | LDA | 5.5000e-004 | 4.7100e-004 |
| tblVehicleEF | LDA | 7.9200e-004 | 6.0900e-004 |
| tblVehicleEF | LDA | 5.0600e-004 | 4.3300e-004 |
| tblVehicleEF | LDA | 7.2800e-004 | 5.6000e-004 |
| tblVehicleEF | LDA | 0.02 | 0.03 |
| tblVehicleEF | LDA | 0.03 | 0.04 |
| tblVehicleEF | LDA | 0.02 | 0.03 |
| tblVehicleEF | LDA | 3.4880e-003 | 1.8230e-003 |
| tblVehicleEF | LDA | 0.02 | 0.14 |
| tblVehicleEF | LDA | 5.3660e-003 | 0.05 |
| tblVehicleEF | LDA | 1.7760e-003 | 1.9730e-003 |
| tblVehicleEF | LDA | 0.02 | 0.03 |
| tblVehicleEF | LDA | 0.03 | 0.04 |
| tblVehicleEF | LDA | 0.02 | 0.03 |
| tblVehicleEF | LDA | 5.0740e-003 | 2.6450e-003 |
| tblVehicleEF | LDA | 0.02 | 0.14 |
| tblVehicleEF | LDA | 5.8750e-003 | 0.05 |
| tblVehicleEF | LDA | 1.1890e-003 | 5.7000e-004 |
| tblVehicleEF | LDA | 4.7500e-004 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | LDA | 0.23 | 0.34 |
| tblVehicleEF | LDA | 0.29 | 1.24 |
| tblVehicleEF | LDA | 158.60 | 178.76 |
| tblVehicleEF | LDA | 34.63 | 35.71 |
| tblVehicleEF | LDA | 0.02 | 0.02 |
| tblVehicleEF | LDA | 0.01 | 0.11 |
| tblVehicleEF | LDA | 5.5000e-004 | 4.7100e-004 |
| tblVehicleEF | LDA | 7.9200e-004 | 6.0900e-004 |
| tblVehicleEF | LDA | 5.0600e-004 | 4.3300e-004 |
| tblVehicleEF | LDA | 7.2800e-004 | 5.6000e-004 |
| tblVehicleEF | LDA | 0.01 | 0.02 |
| tblVehicleEF | LDA | 0.03 | 0.03 |
| tblVehicleEF | LDA | 8.5160e-003 | 0.01 |
| tblVehicleEF | LDA | 2.9850e-003 | 1.5670e-003 |
| tblVehicleEF | LDA | 0.03 | 0.16 |
| tblVehicleEF | LDA | 6.4050e-003 | 0.06 |
| tblVehicleEF | LDA | 1.5860e-003 | 1.7680e-003 |
| tblVehicleEF | LDA | 3.5000e-004 | 3.5300e-004 |
| tblVehicleEF | LDA | 0.01 | 0.02 |
| tblVehicleEF | LDA | 0.03 | 0.03 |
| tblVehicleEF | LDA | 8.5160e-003 | 0.01 |
| tblVehicleEF | LDA | 4.3410e-003 | 2.2700e-003 |
| tblVehicleEF | LDA | 0.03 | 0.16 |
| tblVehicleEF | LDA | 7.0130e-003 | 0.06 |
| tblVehicleEF | LDT1 | 1.6300e-003 | 6.2400e-004 |
| tblVehicleEF | LDT1 | 6.5800e-004 | 0.02 |
| tblVehicleEF | LDT1 | 0.31 | 0.38 |
| tblVehicleEF | LDT1 | 0.38 | 1.33 |
| tblVehicleEF | LDT1 | 204.30 | 214.32 |
| tblVehicleEF | LDT1 | 44.26 | 42.86 |

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|---|---|---|---|
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 0.01 | 0.12 |
| tblVehicleEF | LDT1 | 6.7600e-004 | 5.0100e-004 |
| tblVehicleEF | LDT1 | 9.9100e-004 | 6.6900e-004 |
| tblVehicleEF | LDT1 | 6.2200e-004 | 4.6000e-004 |
| tblVehicleEF | LDT1 | 9.1100e-004 | 6.1500e-004 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 0.04 | 0.04 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 4.0420e-003 | 1.7040e-003 |
| tblVehicleEF | LDT1 | 0.03 | 0.17 |
| tblVehicleEF | LDT1 | 8.8770e-003 | 0.06 |
| tblVehicleEF | LDT1 | 2.0440e-003 | 2.1210e-003 |
| tblVehicleEF | LDT1 | 4.4800e-004 | 4.2400e-004 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 0.04 | 0.04 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 5.8960e-003 | 2.4850e-003 |
| tblVehicleEF | LDT1 | 0.03 | 0.17 |
| tblVehicleEF | LDT1 | 9.7190e-003 | 0.07 |
| tblVehicleEF | LDT1 | 1.8530e-003 | 7.1900e-004 |
| tblVehicleEF | LDT1 | 5.5000e-004 | 0.02 |
| tblVehicleEF | LDT1 | 0.38 | 0.46 |
| tblVehicleEF | LDT1 | 0.31 | 1.12 |
| tblVehicleEF | LDT1 | 223.10 | 231.16 |
| tblVehicleEF | LDT1 | 44.26 | 42.50 |
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 0.01 | 0.11 |
| tblVehicleEF | LDT1 | 6.7600e-004 | 5.0100e-004 |
| tblVehicleEF | LDT1 | 9.9100e-004 | 6.6900e-004 |

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|---|---|---|---|
| tblVehicleEF | LDT1 | 6.2200e-004 | 4.6000e-004 |
| tblVehicleEF | LDT1 | 9.1100e-004 | 6.1500e-004 |
| tblVehicleEF | LDT1 | 0.04 | 0.06 |
| tblVehicleEF | LDT1 | 0.05 | 0.05 |
| tblVehicleEF | LDT1 | 0.04 | 0.05 |
| tblVehicleEF | LDT1 | 4.5930e-003 | 1.9360e-003 |
| tblVehicleEF | LDT1 | 0.03 | 0.17 |
| tblVehicleEF | LDT1 | 7.4160e-003 | 0.05 |
| tblVehicleEF | LDT1 | 2.2330e-003 | 2.2880e-003 |
| tblVehicleEF | LDT1 | 4.4700e-004 | 4.2100e-004 |
| tblVehicleEF | LDT1 | 0.04 | 0.06 |
| tblVehicleEF | LDT1 | 0.05 | 0.05 |
| tblVehicleEF | LDT1 | 0.04 | 0.05 |
| tblVehicleEF | LDT1 | 6.7000e-003 | 2.8240e-003 |
| tblVehicleEF | LDT1 | 0.03 | 0.17 |
| tblVehicleEF | LDT1 | 8.1200e-003 | 0.06 |
| tblVehicleEF | LDT1 | 1.5890e-003 | 6.0900e-004 |
| tblVehicleEF | LDT1 | 6.5600e-004 | 0.02 |
| tblVehicleEF | LDT1 | 0.29 | 0.36 |
| tblVehicleEF | LDT1 | 0.37 | 1.31 |
| tblVehicleEF | LDT1 | 199.87 | 210.33 |
| tblVehicleEF | LDT1 | 44.26 | 42.82 |
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 0.01 | 0.12 |
| tblVehicleEF | LDT1 | 6.7600e-004 | 5.0100e-004 |
| tblVehicleEF | LDT1 | 9.9100e-004 | 6.6900e-004 |
| tblVehicleEF | LDT1 | 6.2200e-004 | 4.6000e-004 |
| tblVehicleEF | LDT1 | 9.1100e-004 | 6.1500e-004 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 0.04 | 0.05 |

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|---|---|---|---|
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 3.9390e-003 | 1.6600e-003 |
| tblVehicleEF | LDT1 | 0.04 | 0.20 |
| tblVehicleEF | LDT1 | 8.8500e-003 | 0.06 |
| tblVehicleEF | LDT1 | 2.0000e-003 | 2.0810e-003 |
| tblVehicleEF | LDT1 | 4.4800e-004 | 4.2400e-004 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 0.04 | 0.05 |
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 5.7450e-003 | 2.4220e-003 |
| tblVehicleEF | LDT1 | 0.04 | 0.20 |
| tblVehicleEF | LDT1 | 9.6900e-003 | 0.07 |
| tblVehicleEF | LDT2 | 1.8520e-003 | 8.0800e-004 |
| tblVehicleEF | LDT2 | 9.4600e-004 | 0.02 |
| tblVehicleEF | LDT2 | 0.38 | 0.43 |
| tblVehicleEF | LDT2 | 0.46 | 1.70 |
| tblVehicleEF | LDT2 | 237.56 | 213.49 |
| tblVehicleEF | LDT2 | 51.25 | 42.77 |
| tblVehicleEF | LDT2 | 0.03 | 0.02 |
| tblVehicleEF | LDT2 | 0.02 | 0.11 |
| tblVehicleEF | LDT2 | 6.6300e-004 | 5.2800e-004 |
| tblVehicleEF | LDT2 | 9.5100e-004 | 6.3500e-004 |
| tblVehicleEF | LDT2 | 6.1000e-004 | 4.8700e-004 |
| tblVehicleEF | LDT2 | 8.7400e-004 | 5.8400e-004 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 0.04 | 0.04 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 4.6110e-003 | 2.4080e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.16 |
| tblVehicleEF | LDT2 | 0.01 | 0.08 |

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|---|---|---|---|
| tblVehicleEF | LDT2 | 2.3770e-003 | 2.1120e-003 |
| tblVehicleEF | LDT2 | 5.1900e-004 | 4.2300e-004 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 0.04 | 0.04 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 6.7180e-003 | 3.4670e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.16 |
| tblVehicleEF | LDT2 | 0.01 | 0.09 |
| tblVehicleEF | LDT2 | 2.1050e-003 | 9.3000e-004 |
| tblVehicleEF | LDT2 | 8.5200e-004 | 0.02 |
| tblVehicleEF | LDT2 | 0.46 | 0.53 |
| tblVehicleEF | LDT2 | 0.42 | 1.43 |
| tblVehicleEF | LDT2 | 259.40 | 228.68 |
| tblVehicleEF | LDT2 | 51.25 | 42.29 |
| tblVehicleEF | LDT2 | 0.02 | 0.02 |
| tblVehicleEF | LDT2 | 0.02 | 0.10 |
| tblVehicleEF | LDT2 | 6.6300e-004 | 5.2800e-004 |
| tblVehicleEF | LDT2 | 9.5100e-004 | 6.3500e-004 |
| tblVehicleEF | LDT2 | 6.1000e-004 | 4.8700e-004 |
| tblVehicleEF | LDT2 | 8.7400e-004 | 5.8400e-004 |
| tblVehicleEF | LDT2 | 0.04 | 0.07 |
| tblVehicleEF | LDT2 | 0.04 | 0.05 |
| tblVehicleEF | LDT2 | 0.04 | 0.06 |
| tblVehicleEF | LDT2 | 5.2360e-003 | 2.7170e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.16 |
| tblVehicleEF | LDT2 | 0.01 | 0.07 |
| tblVehicleEF | LDT2 | 2.5970e-003 | 2.2620e-003 |
| tblVehicleEF | LDT2 | 5.1800e-004 | 4.1800e-004 |
| tblVehicleEF | LDT2 | 0.04 | 0.07 |
| tblVehicleEF | LDT2 | 0.04 | 0.05 |

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|---|---|---|---|
| tblVehicleEF | LDT2 | 0.04 | 0.06 |
| tblVehicleEF | LDT2 | 7.6310e-003 | 3.9180e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.16 |
| tblVehicleEF | LDT2 | 0.01 | 0.08 |
| tblVehicleEF | LDT2 | 1.8040e-003 | 7.8800e-004 |
| tblVehicleEF | LDT2 | 9.4400e-004 | 0.02 |
| tblVehicleEF | LDT2 | 0.36 | 0.41 |
| tblVehicleEF | LDT2 | 0.46 | 1.68 |
| tblVehicleEF | LDT2 | 232.43 | 209.90 |
| tblVehicleEF | LDT2 | 51.25 | 42.73 |
| tblVehicleEF | LDT2 | 0.02 | 0.02 |
| tblVehicleEF | LDT2 | 0.02 | 0.11 |
| tblVehicleEF | LDT2 | 6.6300e-004 | 5.2800e-004 |
| tblVehicleEF | LDT2 | 9.5100e-004 | 6.3500e-004 |
| tblVehicleEF | LDT2 | 6.1000e-004 | 4.8700e-004 |
| tblVehicleEF | LDT2 | 8.7400e-004 | 5.8400e-004 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 0.04 | 0.04 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 4.4930e-003 | 2.3500e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.19 |
| tblVehicleEF | LDT2 | 0.01 | 0.08 |
| tblVehicleEF | LDT2 | 2.3260e-003 | 2.0760e-003 |
| tblVehicleEF | LDT2 | 5.1900e-004 | 4.2300e-004 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 0.04 | 0.04 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 6.5470e-003 | 3.3820e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.19 |
| tblVehicleEF | LDT2 | 0.01 | 0.09 |

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|---|---|---|---|
| tblVehicleEF | LHD1 | 2.3700e-003 | 3.1740e-003 |
| tblVehicleEF | LHD1 | 1.4740e-003 | 1.2820e-003 |
| tblVehicleEF | LHD1 | 2.4440e-003 | 4.6000e-003 |
| tblVehicleEF | LHD1 | 0.12 | 0.17 |
| tblVehicleEF | LHD1 | 0.15 | 0.13 |
| tblVehicleEF | LHD1 | 0.92 | 0.71 |
| tblVehicleEF | LHD1 | 8.77 | 7.34 |
| tblVehicleEF | LHD1 | 529.63 | 507.43 |
| tblVehicleEF | LHD1 | 20.81 | 8.07 |
| tblVehicleEF | LHD1 | 0.04 | 0.03 |
| tblVehicleEF | LHD1 | 0.06 | 0.08 |
| tblVehicleEF | LHD1 | 0.23 | 0.17 |
| tblVehicleEF | LHD1 | 5.9400e-004 | 1.0370e-003 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 3.7090e-003 | 3.0240e-003 |
| tblVehicleEF | LHD1 | 4.3300e-004 | 1.7200e-004 |
| tblVehicleEF | LHD1 | 5.6800e-004 | 9.9200e-004 |
| tblVehicleEF | LHD1 | 2.6620e-003 | 2.5100e-003 |
| tblVehicleEF | LHD1 | 3.5340e-003 | 2.8720e-003 |
| tblVehicleEF | LHD1 | 3.9800e-004 | 1.5800e-004 |
| tblVehicleEF | LHD1 | 8.8800e-004 | 1.1440e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 5.6300e-004 | 7.2100e-004 |
| tblVehicleEF | LHD1 | 0.02 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.14 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 8.6000e-005 | 7.1000e-005 |
| tblVehicleEF | LHD1 | 5.1590e-003 | 4.9370e-003 |
| tblVehicleEF | LHD1 | 2.2300e-004 | 8.0000e-005 |

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|---|---|---|---|
| tblVehicleEF | LHD1 | 8.8800e-004 | 1.1440e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.02 |
| tblVehicleEF | LHD1 | 5.6300e-004 | 7.2100e-004 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.14 |
| tblVehicleEF | LHD1 | 0.04 | 0.02 |
| tblVehicleEF | LHD1 | 2.3700e-003 | 3.1830e-003 |
| tblVehicleEF | LHD1 | 1.4850e-003 | 1.2960e-003 |
| tblVehicleEF | LHD1 | 2.3260e-003 | 4.3920e-003 |
| tblVehicleEF | LHD1 | 0.12 | 0.17 |
| tblVehicleEF | LHD1 | 0.15 | 0.13 |
| tblVehicleEF | LHD1 | 0.87 | 0.67 |
| tblVehicleEF | LHD1 | 8.77 | 7.34 |
| tblVehicleEF | LHD1 | 529.63 | 507.43 |
| tblVehicleEF | LHD1 | 20.81 | 8.00 |
| tblVehicleEF | LHD1 | 0.04 | 0.03 |
| tblVehicleEF | LHD1 | 0.05 | 0.08 |
| tblVehicleEF | LHD1 | 0.22 | 0.16 |
| tblVehicleEF | LHD1 | 5.9400e-004 | 1.0370e-003 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 3.7090e-003 | 3.0240e-003 |
| tblVehicleEF | LHD1 | 4.3300e-004 | 1.7200e-004 |
| tblVehicleEF | LHD1 | 5.6800e-004 | 9.9200e-004 |
| tblVehicleEF | LHD1 | 2.6620e-003 | 2.5100e-003 |
| tblVehicleEF | LHD1 | 3.5340e-003 | 2.8720e-003 |
| tblVehicleEF | LHD1 | 3.9800e-004 | 1.5800e-004 |
| tblVehicleEF | LHD1 | 1.6870e-003 | 2.1770e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |

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|---|---|---|---|
| tblVehicleEF | LHD1 | 1.1580e-003 | 1.4920e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.14 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 8.6000e-005 | 7.1000e-005 |
| tblVehicleEF | LHD1 | 5.1590e-003 | 4.9370e-003 |
| tblVehicleEF | LHD1 | 2.2200e-004 | 7.9000e-005 |
| tblVehicleEF | LHD1 | 1.6870e-003 | 2.1770e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.02 |
| tblVehicleEF | LHD1 | 1.1580e-003 | 1.4920e-003 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.14 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 2.3700e-003 | 3.1760e-003 |
| tblVehicleEF | LHD1 | 1.4760e-003 | 1.2840e-003 |
| tblVehicleEF | LHD1 | 2.4240e-003 | 4.5650e-003 |
| tblVehicleEF | LHD1 | 0.12 | 0.17 |
| tblVehicleEF | LHD1 | 0.15 | 0.13 |
| tblVehicleEF | LHD1 | 0.91 | 0.71 |
| tblVehicleEF | LHD1 | 8.77 | 7.34 |
| tblVehicleEF | LHD1 | 529.63 | 507.43 |
| tblVehicleEF | LHD1 | 20.81 | 8.05 |
| tblVehicleEF | LHD1 | 0.04 | 0.03 |
| tblVehicleEF | LHD1 | 0.06 | 0.08 |
| tblVehicleEF | LHD1 | 0.23 | 0.16 |
| tblVehicleEF | LHD1 | 5.9400e-004 | 1.0370e-003 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 3.7090e-003 | 3.0240e-003 |
| tblVehicleEF | LHD1 | 4.3300e-004 | 1.7200e-004 |

| | | | |
|---|---|---|---|
| tblVehicleEF | LHD1 | 5.6800e-004 | 9.9200e-004 |
| tblVehicleEF | LHD1 | 2.6620e-003 | 2.5100e-003 |
| tblVehicleEF | LHD1 | 3.5340e-003 | 2.8720e-003 |
| tblVehicleEF | LHD1 | 3.9800e-004 | 1.5800e-004 |
| tblVehicleEF | LHD1 | 8.1600e-004 | 1.0590e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 5.4400e-004 | 6.9800e-004 |
| tblVehicleEF | LHD1 | 0.02 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.15 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 8.6000e-005 | 7.1000e-005 |
| tblVehicleEF | LHD1 | 5.1590e-003 | 4.9370e-003 |
| tblVehicleEF | LHD1 | 2.2300e-004 | 8.0000e-005 |
| tblVehicleEF | LHD1 | 8.1600e-004 | 1.0590e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.02 |
| tblVehicleEF | LHD1 | 5.4400e-004 | 6.9800e-004 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.15 |
| tblVehicleEF | LHD1 | 0.04 | 0.02 |
| tblVehicleEF | LHD2 | 2.0550e-003 | 1.9790e-003 |
| tblVehicleEF | LHD2 | 1.8190e-003 | 2.5960e-003 |
| tblVehicleEF | LHD2 | 0.12 | 0.13 |
| tblVehicleEF | LHD2 | 0.14 | 0.15 |
| tblVehicleEF | LHD2 | 0.80 | 0.41 |
| tblVehicleEF | LHD2 | 13.27 | 11.72 |
| tblVehicleEF | LHD2 | 561.63 | 502.29 |
| tblVehicleEF | LHD2 | 20.88 | 5.25 |
| tblVehicleEF | LHD2 | 0.04 | 0.05 |

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|---|---|---|---|
| tblVehicleEF | LHD2 | 0.04 | 0.11 |
| tblVehicleEF | LHD2 | 0.17 | 0.09 |
| tblVehicleEF | LHD2 | 8.2400e-004 | 1.5310e-003 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 4.5960e-003 | 8.9230e-003 |
| tblVehicleEF | LHD2 | 3.8600e-004 | 9.9000e-005 |
| tblVehicleEF | LHD2 | 7.8800e-004 | 1.4650e-003 |
| tblVehicleEF | LHD2 | 2.7120e-003 | 2.7250e-003 |
| tblVehicleEF | LHD2 | 4.3850e-003 | 8.5250e-003 |
| tblVehicleEF | LHD2 | 3.5500e-004 | 9.1000e-005 |
| tblVehicleEF | LHD2 | 5.9400e-004 | 6.6600e-004 |
| tblVehicleEF | LHD2 | 0.01 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 3.6900e-004 | 4.2000e-004 |
| tblVehicleEF | LHD2 | 0.02 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.08 |
| tblVehicleEF | LHD2 | 0.02 | 0.01 |
| tblVehicleEF | LHD2 | 1.2900e-004 | 1.1200e-004 |
| tblVehicleEF | LHD2 | 5.4560e-003 | 4.8380e-003 |
| tblVehicleEF | LHD2 | 2.2200e-004 | 5.2000e-005 |
| tblVehicleEF | LHD2 | 5.9400e-004 | 6.6600e-004 |
| tblVehicleEF | LHD2 | 0.01 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 3.6900e-004 | 4.2000e-004 |
| tblVehicleEF | LHD2 | 0.03 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.08 |
| tblVehicleEF | LHD2 | 0.03 | 0.01 |
| tblVehicleEF | LHD2 | 2.0550e-003 | 1.9840e-003 |
| tblVehicleEF | LHD2 | 1.4530e-003 | 1.4520e-003 |
| tblVehicleEF | LHD2 | 1.8170e-003 | 2.4780e-003 |

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|---|---|---|---|
| tblVehicleEF | LHD2 | 0.12 | 0.13 |
| tblVehicleEF | LHD2 | 0.14 | 0.15 |
| tblVehicleEF | LHD2 | 0.76 | 0.38 |
| tblVehicleEF | LHD2 | 13.27 | 11.72 |
| tblVehicleEF | LHD2 | 561.63 | 502.29 |
| tblVehicleEF | LHD2 | 20.88 | 5.21 |
| tblVehicleEF | LHD2 | 0.04 | 0.05 |
| tblVehicleEF | LHD2 | 0.03 | 0.10 |
| tblVehicleEF | LHD2 | 0.17 | 0.09 |
| tblVehicleEF | LHD2 | 8.2400e-004 | 1.5310e-003 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 4.5960e-003 | 8.9230e-003 |
| tblVehicleEF | LHD2 | 3.8600e-004 | 9.9000e-005 |
| tblVehicleEF | LHD2 | 7.8800e-004 | 1.4650e-003 |
| tblVehicleEF | LHD2 | 2.7120e-003 | 2.7250e-003 |
| tblVehicleEF | LHD2 | 4.3850e-003 | 8.5250e-003 |
| tblVehicleEF | LHD2 | 3.5500e-004 | 9.1000e-005 |
| tblVehicleEF | LHD2 | 1.1370e-003 | 1.2660e-003 |
| tblVehicleEF | LHD2 | 0.02 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 7.7700e-004 | 8.6800e-004 |
| tblVehicleEF | LHD2 | 0.02 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.08 |
| tblVehicleEF | LHD2 | 0.02 | 9.9950e-003 |
| tblVehicleEF | LHD2 | 1.2900e-004 | 1.1200e-004 |
| tblVehicleEF | LHD2 | 5.4560e-003 | 4.8380e-003 |
| tblVehicleEF | LHD2 | 2.2100e-004 | 5.2000e-005 |
| tblVehicleEF | LHD2 | 1.1370e-003 | 1.2660e-003 |
| tblVehicleEF | LHD2 | 0.02 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |

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|---|---|---|---|
| tblVehicleEF | LHD2 | 7.7700e-004 | 8.6800e-004 |
| tblVehicleEF | LHD2 | 0.03 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.08 |
| tblVehicleEF | LHD2 | 0.03 | 0.01 |
| tblVehicleEF | LHD2 | 2.0550e-003 | 1.9800e-003 |
| tblVehicleEF | LHD2 | 1.8190e-003 | 2.5760e-003 |
| tblVehicleEF | LHD2 | 0.12 | 0.13 |
| tblVehicleEF | LHD2 | 0.14 | 0.15 |
| tblVehicleEF | LHD2 | 0.79 | 0.40 |
| tblVehicleEF | LHD2 | 13.27 | 11.72 |
| tblVehicleEF | LHD2 | 561.63 | 502.29 |
| tblVehicleEF | LHD2 | 20.88 | 5.24 |
| tblVehicleEF | LHD2 | 0.04 | 0.05 |
| tblVehicleEF | LHD2 | 0.04 | 0.11 |
| tblVehicleEF | LHD2 | 0.17 | 0.09 |
| tblVehicleEF | LHD2 | 8.2400e-004 | 1.5310e-003 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 4.5960e-003 | 8.9230e-003 |
| tblVehicleEF | LHD2 | 3.8600e-004 | 9.9000e-005 |
| tblVehicleEF | LHD2 | 7.8800e-004 | 1.4650e-003 |
| tblVehicleEF | LHD2 | 2.7120e-003 | 2.7250e-003 |
| tblVehicleEF | LHD2 | 4.3850e-003 | 8.5250e-003 |
| tblVehicleEF | LHD2 | 3.5500e-004 | 9.1000e-005 |
| tblVehicleEF | LHD2 | 5.6000e-004 | 6.1500e-004 |
| tblVehicleEF | LHD2 | 0.01 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 3.5700e-004 | 4.0700e-004 |
| tblVehicleEF | LHD2 | 0.02 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.09 |
| tblVehicleEF | LHD2 | 0.02 | 0.01 |

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|---|---|---|---|
| tblVehicleEF | LHD2 | 1.2900e-004 | 1.1200e-004 |
| tblVehicleEF | LHD2 | 5.4560e-003 | 4.8380e-003 |
| tblVehicleEF | LHD2 | 2.2200e-004 | 5.2000e-005 |
| tblVehicleEF | LHD2 | 5.6000e-004 | 6.1500e-004 |
| tblVehicleEF | LHD2 | 0.01 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 3.5700e-004 | 4.0700e-004 |
| tblVehicleEF | LHD2 | 0.03 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.09 |
| tblVehicleEF | LHD2 | 0.03 | 0.01 |
| tblVehicleEF | MCY | 0.45 | 0.31 |
| tblVehicleEF | MCY | 0.15 | 0.23 |
| tblVehicleEF | MCY | 17.23 | 17.23 |
| tblVehicleEF | MCY | 10.21 | 9.09 |
| tblVehicleEF | MCY | 172.59 | 209.98 |
| tblVehicleEF | MCY | 40.72 | 56.78 |
| tblVehicleEF | MCY | 1.13 | 1.13 |
| tblVehicleEF | MCY | 0.31 | 0.27 |
| tblVehicleEF | MCY | 2.2430e-003 | 2.2380e-003 |
| tblVehicleEF | MCY | 3.3690e-003 | 2.9880e-003 |
| tblVehicleEF | MCY | 2.0910e-003 | 2.0860e-003 |
| tblVehicleEF | MCY | 3.1400e-003 | 2.7850e-003 |
| tblVehicleEF | MCY | 1.42 | 1.42 |
| tblVehicleEF | MCY | 0.71 | 0.72 |
| tblVehicleEF | MCY | 0.74 | 0.74 |
| tblVehicleEF | MCY | 2.08 | 2.08 |
| tblVehicleEF | MCY | 0.34 | 1.23 |
| tblVehicleEF | MCY | 1.98 | 1.76 |
| tblVehicleEF | MCY | 2.0700e-003 | 2.0780e-003 |
| tblVehicleEF | MCY | 6.3200e-004 | 5.6200e-004 |

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|---|---|---|---|
| tblVehicleEF | MCY | 1.42 | 1.42 |
| tblVehicleEF | MCY | 0.71 | 0.72 |
| tblVehicleEF | MCY | 0.74 | 0.74 |
| tblVehicleEF | MCY | 2.61 | 2.61 |
| tblVehicleEF | MCY | 0.34 | 1.23 |
| tblVehicleEF | MCY | 2.16 | 1.92 |
| tblVehicleEF | MCY | 0.45 | 0.31 |
| tblVehicleEF | MCY | 0.13 | 0.21 |
| tblVehicleEF | MCY | 17.39 | 17.39 |
| tblVehicleEF | MCY | 9.03 | 8.01 |
| tblVehicleEF | MCY | 172.59 | 210.12 |
| tblVehicleEF | MCY | 40.72 | 54.30 |
| tblVehicleEF | MCY | 0.96 | 0.96 |
| tblVehicleEF | MCY | 0.29 | 0.25 |
| tblVehicleEF | MCY | 2.2430e-003 | 2.2380e-003 |
| tblVehicleEF | MCY | 3.3690e-003 | 2.9880e-003 |
| tblVehicleEF | MCY | 2.0910e-003 | 2.0860e-003 |
| tblVehicleEF | MCY | 3.1400e-003 | 2.7850e-003 |
| tblVehicleEF | MCY | 3.03 | 3.05 |
| tblVehicleEF | MCY | 1.12 | 1.14 |
| tblVehicleEF | MCY | 1.95 | 1.97 |
| tblVehicleEF | MCY | 2.05 | 2.05 |
| tblVehicleEF | MCY | 0.34 | 1.23 |
| tblVehicleEF | MCY | 1.74 | 1.54 |
| tblVehicleEF | MCY | 2.0710e-003 | 2.0790e-003 |
| tblVehicleEF | MCY | 6.0500e-004 | 5.3700e-004 |
| tblVehicleEF | MCY | 3.03 | 3.05 |
| tblVehicleEF | MCY | 1.12 | 1.14 |
| tblVehicleEF | MCY | 1.95 | 1.97 |
| tblVehicleEF | MCY | 2.58 | 2.57 |

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|---|---|---|---|
| tblVehicleEF | MCY | 0.34 | 1.23 |
| tblVehicleEF | MCY | 1.89 | 1.68 |
| tblVehicleEF | MCY | 0.45 | 0.31 |
| tblVehicleEF | MCY | 0.14 | 0.23 |
| tblVehicleEF | MCY | 16.57 | 16.57 |
| tblVehicleEF | MCY | 9.90 | 8.79 |
| tblVehicleEF | MCY | 172.59 | 208.84 |
| tblVehicleEF | MCY | 40.72 | 56.14 |
| tblVehicleEF | MCY | 1.09 | 1.09 |
| tblVehicleEF | MCY | 0.31 | 0.26 |
| tblVehicleEF | MCY | 2.2430e-003 | 2.2380e-003 |
| tblVehicleEF | MCY | 3.3690e-003 | 2.9880e-003 |
| tblVehicleEF | MCY | 2.0910e-003 | 2.0860e-003 |
| tblVehicleEF | MCY | 3.1400e-003 | 2.7850e-003 |
| tblVehicleEF | MCY | 1.64 | 1.65 |
| tblVehicleEF | MCY | 0.93 | 0.94 |
| tblVehicleEF | MCY | 0.65 | 0.66 |
| tblVehicleEF | MCY | 2.06 | 2.05 |
| tblVehicleEF | MCY | 0.40 | 1.45 |
| tblVehicleEF | MCY | 1.94 | 1.71 |
| tblVehicleEF | MCY | 2.0590e-003 | 2.0670e-003 |
| tblVehicleEF | MCY | 6.2600e-004 | 5.5600e-004 |
| tblVehicleEF | MCY | 1.64 | 1.65 |
| tblVehicleEF | MCY | 0.93 | 0.94 |
| tblVehicleEF | MCY | 0.65 | 0.66 |
| tblVehicleEF | MCY | 2.58 | 2.58 |
| tblVehicleEF | MCY | 0.40 | 1.45 |
| tblVehicleEF | MCY | 2.11 | 1.87 |
| tblVehicleEF | MDV | 2.0300e-003 | 8.0100e-004 |
| tblVehicleEF | MDV | 1.1120e-003 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | MDV | 0.41 | 0.42 |
| tblVehicleEF | MDV | 0.52 | 1.66 |
| tblVehicleEF | MDV | 308.49 | 257.45 |
| tblVehicleEF | MDV | 65.25 | 50.34 |
| tblVehicleEF | MDV | 0.03 | 0.02 |
| tblVehicleEF | MDV | 0.02 | 0.12 |
| tblVehicleEF | MDV | 6.8600e-004 | 5.0200e-004 |
| tblVehicleEF | MDV | 9.7200e-004 | 6.1900e-004 |
| tblVehicleEF | MDV | 6.3200e-004 | 4.6300e-004 |
| tblVehicleEF | MDV | 8.9400e-004 | 5.6900e-004 |
| tblVehicleEF | MDV | 0.05 | 0.06 |
| tblVehicleEF | MDV | 0.07 | 0.06 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 5.1430e-003 | 2.4100e-003 |
| tblVehicleEF | MDV | 0.04 | 0.16 |
| tblVehicleEF | MDV | 0.02 | 0.08 |
| tblVehicleEF | MDV | 3.0820e-003 | 2.5440e-003 |
| tblVehicleEF | MDV | 6.6000e-004 | 4.9800e-004 |
| tblVehicleEF | MDV | 0.05 | 0.06 |
| tblVehicleEF | MDV | 0.07 | 0.06 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 7.4620e-003 | 3.4640e-003 |
| tblVehicleEF | MDV | 0.04 | 0.16 |
| tblVehicleEF | MDV | 0.02 | 0.09 |
| tblVehicleEF | MDV | 2.3040e-003 | 9.2200e-004 |
| tblVehicleEF | MDV | 9.9100e-004 | 0.02 |
| tblVehicleEF | MDV | 0.50 | 0.52 |
| tblVehicleEF | MDV | 0.47 | 1.39 |
| tblVehicleEF | MDV | 335.87 | 272.21 |
| tblVehicleEF | MDV | 65.25 | 49.87 |

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|---|---|---|---|
| tblVehicleEF | MDV | 0.02 | 0.02 |
| tblVehicleEF | MDV | 0.02 | 0.11 |
| tblVehicleEF | MDV | 6.8600e-004 | 5.0200e-004 |
| tblVehicleEF | MDV | 9.7200e-004 | 6.1900e-004 |
| tblVehicleEF | MDV | 6.3200e-004 | 4.6300e-004 |
| tblVehicleEF | MDV | 8.9400e-004 | 5.6900e-004 |
| tblVehicleEF | MDV | 0.10 | 0.11 |
| tblVehicleEF | MDV | 0.08 | 0.07 |
| tblVehicleEF | MDV | 0.09 | 0.11 |
| tblVehicleEF | MDV | 5.8210e-003 | 2.7160e-003 |
| tblVehicleEF | MDV | 0.04 | 0.16 |
| tblVehicleEF | MDV | 0.01 | 0.07 |
| tblVehicleEF | MDV | 3.3570e-003 | 2.6900e-003 |
| tblVehicleEF | MDV | 6.5900e-004 | 4.9300e-004 |
| tblVehicleEF | MDV | 0.10 | 0.11 |
| tblVehicleEF | MDV | 0.08 | 0.07 |
| tblVehicleEF | MDV | 0.09 | 0.11 |
| tblVehicleEF | MDV | 8.4510e-003 | 3.9120e-003 |
| tblVehicleEF | MDV | 0.04 | 0.16 |
| tblVehicleEF | MDV | 0.01 | 0.07 |
| tblVehicleEF | MDV | 1.9790e-003 | 7.8200e-004 |
| tblVehicleEF | MDV | 1.1100e-003 | 0.02 |
| tblVehicleEF | MDV | 0.39 | 0.40 |
| tblVehicleEF | MDV | 0.52 | 1.63 |
| tblVehicleEF | MDV | 302.11 | 253.97 |
| tblVehicleEF | MDV | 65.25 | 50.29 |
| tblVehicleEF | MDV | 0.03 | 0.02 |
| tblVehicleEF | MDV | 0.02 | 0.11 |
| tblVehicleEF | MDV | 6.8600e-004 | 5.0200e-004 |
| tblVehicleEF | MDV | 9.7200e-004 | 6.1900e-004 |

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|---|---|---|---|
| tblVehicleEF | MDV | 6.3200e-004 | 4.6300e-004 |
| tblVehicleEF | MDV | 8.9400e-004 | 5.6900e-004 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 0.08 | 0.06 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 5.0170e-003 | 2.3530e-003 |
| tblVehicleEF | MDV | 0.04 | 0.19 |
| tblVehicleEF | MDV | 0.01 | 0.08 |
| tblVehicleEF | MDV | 3.0180e-003 | 2.5090e-003 |
| tblVehicleEF | MDV | 6.6000e-004 | 4.9800e-004 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 0.08 | 0.06 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 7.2770e-003 | 3.3810e-003 |
| tblVehicleEF | MDV | 0.04 | 0.19 |
| tblVehicleEF | MDV | 0.02 | 0.09 |
| tblVehicleEF | MH | 3.0780e-003 | 1.9990e-003 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 0.14 | 0.12 |
| tblVehicleEF | MH | 3.02 | 1.12 |
| tblVehicleEF | MH | 1,013.72 | 1,146.94 |
| tblVehicleEF | MH | 55.50 | 12.67 |
| tblVehicleEF | MH | 0.48 | 0.71 |
| tblVehicleEF | MH | 0.50 | 0.17 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 4.3110e-003 | 5.8600e-003 |
| tblVehicleEF | MH | 8.9400e-004 | 2.1300e-004 |
| tblVehicleEF | MH | 3.2190e-003 | 3.3080e-003 |
| tblVehicleEF | MH | 4.0920e-003 | 5.5770e-003 |
| tblVehicleEF | MH | 8.2200e-004 | 1.9600e-004 |

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|---|---|---|---|
| tblVehicleEF | MH | 0.37 | 0.31 |
| tblVehicleEF | MH | 0.02 | 0.01 |
| tblVehicleEF | MH | 0.18 | 0.15 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 2.7260e-003 | 0.17 |
| tblVehicleEF | MH | 0.18 | 0.06 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 6.0700e-004 | 1.2500e-004 |
| tblVehicleEF | MH | 0.37 | 0.31 |
| tblVehicleEF | MH | 0.02 | 0.01 |
| tblVehicleEF | MH | 0.18 | 0.15 |
| tblVehicleEF | MH | 0.02 | 0.02 |
| tblVehicleEF | MH | 2.7260e-003 | 0.17 |
| tblVehicleEF | MH | 0.20 | 0.07 |
| tblVehicleEF | MH | 3.1500e-003 | 2.0350e-003 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 0.14 | 0.13 |
| tblVehicleEF | MH | 2.77 | 1.03 |
| tblVehicleEF | MH | 1,013.72 | 1,146.94 |
| tblVehicleEF | MH | 55.50 | 12.51 |
| tblVehicleEF | MH | 0.44 | 0.65 |
| tblVehicleEF | MH | 0.48 | 0.17 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 4.3110e-003 | 5.8600e-003 |
| tblVehicleEF | MH | 8.9400e-004 | 2.1300e-004 |
| tblVehicleEF | MH | 3.2190e-003 | 3.3080e-003 |
| tblVehicleEF | MH | 4.0920e-003 | 5.5770e-003 |
| tblVehicleEF | MH | 8.2200e-004 | 1.9600e-004 |
| tblVehicleEF | MH | 0.70 | 0.59 |
| tblVehicleEF | MH | 0.02 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | MH | 0.37 | 0.31 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 2.7150e-003 | 0.17 |
| tblVehicleEF | MH | 0.17 | 0.06 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 6.0300e-004 | 1.2400e-004 |
| tblVehicleEF | MH | 0.70 | 0.59 |
| tblVehicleEF | MH | 0.02 | 0.02 |
| tblVehicleEF | MH | 0.37 | 0.31 |
| tblVehicleEF | MH | 0.02 | 0.02 |
| tblVehicleEF | MH | 2.7150e-003 | 0.17 |
| tblVehicleEF | MH | 0.19 | 0.06 |
| tblVehicleEF | MH | 3.0850e-003 | 2.0030e-003 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 0.14 | 0.12 |
| tblVehicleEF | MH | 3.00 | 1.12 |
| tblVehicleEF | MH | 1,013.72 | 1,146.94 |
| tblVehicleEF | MH | 55.50 | 12.66 |
| tblVehicleEF | MH | 0.47 | 0.69 |
| tblVehicleEF | MH | 0.50 | 0.17 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 4.3110e-003 | 5.8600e-003 |
| tblVehicleEF | MH | 8.9400e-004 | 2.1300e-004 |
| tblVehicleEF | MH | 3.2190e-003 | 3.3080e-003 |
| tblVehicleEF | MH | 4.0920e-003 | 5.5770e-003 |
| tblVehicleEF | MH | 8.2200e-004 | 1.9600e-004 |
| tblVehicleEF | MH | 0.35 | 0.29 |
| tblVehicleEF | MH | 0.02 | 0.01 |
| tblVehicleEF | MH | 0.17 | 0.14 |
| tblVehicleEF | MH | 0.01 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | MH | 2.9270e-003 | 0.18 |
| tblVehicleEF | MH | 0.18 | 0.06 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 6.0700e-004 | 1.2500e-004 |
| tblVehicleEF | MH | 0.35 | 0.29 |
| tblVehicleEF | MH | 0.02 | 0.01 |
| tblVehicleEF | MH | 0.17 | 0.14 |
| tblVehicleEF | MH | 0.02 | 0.02 |
| tblVehicleEF | MH | 2.9270e-003 | 0.18 |
| tblVehicleEF | MH | 0.20 | 0.07 |
| tblVehicleEF | MHD | 0.02 | 2.9730e-003 |
| tblVehicleEF | MHD | 1.5750e-003 | 4.9600e-004 |
| tblVehicleEF | MHD | 0.03 | 5.8120e-003 |
| tblVehicleEF | MHD | 0.29 | 0.32 |
| tblVehicleEF | MHD | 0.16 | 0.08 |
| tblVehicleEF | MHD | 2.26 | 0.44 |
| tblVehicleEF | MHD | 153.75 | 46.82 |
| tblVehicleEF | MHD | 1,078.59 | 773.61 |
| tblVehicleEF | MHD | 47.29 | 5.46 |
| tblVehicleEF | MHD | 0.40 | 0.25 |
| tblVehicleEF | MHD | 0.53 | 0.98 |
| tblVehicleEF | MHD | 11.96 | 1.84 |
| tblVehicleEF | MHD | 3.0000e-005 | 6.3000e-005 |
| tblVehicleEF | MHD | 2.6280e-003 | 7.4750e-003 |
| tblVehicleEF | MHD | 6.9500e-004 | 8.5000e-005 |
| tblVehicleEF | MHD | 2.9000e-005 | 6.0000e-005 |
| tblVehicleEF | MHD | 2.5110e-003 | 7.1470e-003 |
| tblVehicleEF | MHD | 6.3900e-004 | 7.8000e-005 |
| tblVehicleEF | MHD | 6.7900e-004 | 2.9800e-004 |
| tblVehicleEF | MHD | 0.02 | 9.7430e-003 |

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|---|---|---|---|
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 4.2500e-004 | 1.8700e-004 |
| tblVehicleEF | MHD | 0.03 | 7.2500e-003 |
| tblVehicleEF | MHD | 8.9470e-003 | 0.05 |
| tblVehicleEF | MHD | 0.15 | 0.03 |
| tblVehicleEF | MHD | 1.4770e-003 | 4.4400e-004 |
| tblVehicleEF | MHD | 0.01 | 7.3750e-003 |
| tblVehicleEF | MHD | 5.1300e-004 | 5.4000e-005 |
| tblVehicleEF | MHD | 6.7900e-004 | 2.9800e-004 |
| tblVehicleEF | MHD | 0.02 | 9.7430e-003 |
| tblVehicleEF | MHD | 0.03 | 0.02 |
| tblVehicleEF | MHD | 4.2500e-004 | 1.8700e-004 |
| tblVehicleEF | MHD | 0.03 | 8.4700e-003 |
| tblVehicleEF | MHD | 8.9470e-003 | 0.05 |
| tblVehicleEF | MHD | 0.17 | 0.03 |
| tblVehicleEF | MHD | 0.02 | 2.8360e-003 |
| tblVehicleEF | MHD | 1.5840e-003 | 5.0200e-004 |
| tblVehicleEF | MHD | 0.02 | 5.5560e-003 |
| tblVehicleEF | MHD | 0.21 | 0.28 |
| tblVehicleEF | MHD | 0.16 | 0.08 |
| tblVehicleEF | MHD | 2.11 | 0.41 |
| tblVehicleEF | MHD | 162.86 | 46.34 |
| tblVehicleEF | MHD | 1,078.59 | 773.61 |
| tblVehicleEF | MHD | 47.29 | 5.41 |
| tblVehicleEF | MHD | 0.41 | 0.24 |
| tblVehicleEF | MHD | 0.50 | 0.92 |
| tblVehicleEF | MHD | 11.95 | 1.84 |
| tblVehicleEF | MHD | 2.6000e-005 | 5.6000e-005 |
| tblVehicleEF | MHD | 2.6280e-003 | 7.4750e-003 |
| tblVehicleEF | MHD | 6.9500e-004 | 8.5000e-005 |

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|---|---|---|---|
| tblVehicleEF | MHD | 2.5000e-005 | 5.3000e-005 |
| tblVehicleEF | MHD | 2.5110e-003 | 7.1470e-003 |
| tblVehicleEF | MHD | 6.3900e-004 | 7.8000e-005 |
| tblVehicleEF | MHD | 1.2990e-003 | 5.6800e-004 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 8.9000e-004 | 3.8900e-004 |
| tblVehicleEF | MHD | 0.03 | 7.2680e-003 |
| tblVehicleEF | MHD | 8.9680e-003 | 0.05 |
| tblVehicleEF | MHD | 0.15 | 0.03 |
| tblVehicleEF | MHD | 1.5630e-003 | 4.4000e-004 |
| tblVehicleEF | MHD | 0.01 | 7.3750e-003 |
| tblVehicleEF | MHD | 5.1000e-004 | 5.4000e-005 |
| tblVehicleEF | MHD | 1.2990e-003 | 5.6800e-004 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 0.03 | 0.02 |
| tblVehicleEF | MHD | 8.9000e-004 | 3.8900e-004 |
| tblVehicleEF | MHD | 0.03 | 8.4970e-003 |
| tblVehicleEF | MHD | 8.9680e-003 | 0.05 |
| tblVehicleEF | MHD | 0.16 | 0.03 |
| tblVehicleEF | MHD | 0.02 | 3.1790e-003 |
| tblVehicleEF | MHD | 1.5760e-003 | 4.9600e-004 |
| tblVehicleEF | MHD | 0.03 | 5.7400e-003 |
| tblVehicleEF | MHD | 0.41 | 0.38 |
| tblVehicleEF | MHD | 0.16 | 0.08 |
| tblVehicleEF | MHD | 2.22 | 0.43 |
| tblVehicleEF | MHD | 141.16 | 47.47 |
| tblVehicleEF | MHD | 1,078.59 | 773.61 |
| tblVehicleEF | MHD | 47.29 | 5.45 |
| tblVehicleEF | MHD | 0.38 | 0.27 |

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|---|---|---|---|
| tblVehicleEF | MHD | 0.52 | 0.96 |
| tblVehicleEF | MHD | 11.96 | 1.84 |
| tblVehicleEF | MHD | 3.7000e-005 | 7.2000e-005 |
| tblVehicleEF | MHD | 2.6280e-003 | 7.4750e-003 |
| tblVehicleEF | MHD | 6.9500e-004 | 8.5000e-005 |
| tblVehicleEF | MHD | 3.5000e-005 | 6.9000e-005 |
| tblVehicleEF | MHD | 2.5110e-003 | 7.1470e-003 |
| tblVehicleEF | MHD | 6.3900e-004 | 7.8000e-005 |
| tblVehicleEF | MHD | 6.3300e-004 | 2.7700e-004 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 4.1100e-004 | 1.8000e-004 |
| tblVehicleEF | MHD | 0.03 | 7.2520e-003 |
| tblVehicleEF | MHD | 9.7910e-003 | 0.05 |
| tblVehicleEF | MHD | 0.15 | 0.03 |
| tblVehicleEF | MHD | 1.3580e-003 | 4.5000e-004 |
| tblVehicleEF | MHD | 0.01 | 7.3750e-003 |
| tblVehicleEF | MHD | 5.1200e-004 | 5.4000e-005 |
| tblVehicleEF | MHD | 6.3300e-004 | 2.7700e-004 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 0.03 | 0.02 |
| tblVehicleEF | MHD | 4.1100e-004 | 1.8000e-004 |
| tblVehicleEF | MHD | 0.03 | 8.4730e-003 |
| tblVehicleEF | MHD | 9.7910e-003 | 0.05 |
| tblVehicleEF | MHD | 0.17 | 0.03 |
| tblVehicleEF | OBUS | 0.01 | 9.0480e-003 |
| tblVehicleEF | OBUS | 2.8630e-003 | 1.1380e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.24 | 0.55 |
| tblVehicleEF | OBUS | 0.18 | 0.13 |

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|---|---|---|---|
| tblVehicleEF | OBUS | 3.71 | 1.30 |
| tblVehicleEF | OBUS | 63.70 | 61.60 |
| tblVehicleEF | OBUS | 1,099.49 | 1,126.05 |
| tblVehicleEF | OBUS | 67.73 | 14.87 |
| tblVehicleEF | OBUS | 0.13 | 0.28 |
| tblVehicleEF | OBUS | 0.31 | 0.92 |
| tblVehicleEF | OBUS | 1.58 | 0.83 |
| tblVehicleEF | OBUS | 1.1000e-005 | 9.6000e-005 |
| tblVehicleEF | OBUS | 2.0010e-003 | 6.6340e-003 |
| tblVehicleEF | OBUS | 1.0960e-003 | 2.3300e-004 |
| tblVehicleEF | OBUS | 1.1000e-005 | 9.1000e-005 |
| tblVehicleEF | OBUS | 1.8890e-003 | 6.3250e-003 |
| tblVehicleEF | OBUS | 1.0080e-003 | 2.1400e-004 |
| tblVehicleEF | OBUS | 1.7850e-003 | 1.8400e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.03 | 0.05 |
| tblVehicleEF | OBUS | 8.4700e-004 | 8.8800e-004 |
| tblVehicleEF | OBUS | 0.02 | 8.2420e-003 |
| tblVehicleEF | OBUS | 0.05 | 0.21 |
| tblVehicleEF | OBUS | 0.25 | 0.08 |
| tblVehicleEF | OBUS | 6.2000e-004 | 5.8700e-004 |
| tblVehicleEF | OBUS | 0.01 | 0.01 |
| tblVehicleEF | OBUS | 7.4200e-004 | 1.4700e-004 |
| tblVehicleEF | OBUS | 1.7850e-003 | 1.8400e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.04 | 0.06 |
| tblVehicleEF | OBUS | 8.4700e-004 | 8.8800e-004 |
| tblVehicleEF | OBUS | 0.02 | 0.01 |
| tblVehicleEF | OBUS | 0.05 | 0.21 |
| tblVehicleEF | OBUS | 0.27 | 0.09 |

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|---|---|---|---|
| tblVehicleEF | OBUS | 0.01 | 9.1370e-003 |
| tblVehicleEF | OBUS | 2.9230e-003 | 1.1660e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.24 | 0.54 |
| tblVehicleEF | OBUS | 0.18 | 0.13 |
| tblVehicleEF | OBUS | 3.41 | 1.20 |
| tblVehicleEF | OBUS | 66.50 | 60.92 |
| tblVehicleEF | OBUS | 1,099.49 | 1,126.06 |
| tblVehicleEF | OBUS | 67.73 | 14.69 |
| tblVehicleEF | OBUS | 0.13 | 0.27 |
| tblVehicleEF | OBUS | 0.29 | 0.85 |
| tblVehicleEF | OBUS | 1.55 | 0.82 |
| tblVehicleEF | OBUS | 1.0000e-005 | 8.5000e-005 |
| tblVehicleEF | OBUS | 2.0010e-003 | 6.6340e-003 |
| tblVehicleEF | OBUS | 1.0960e-003 | 2.3300e-004 |
| tblVehicleEF | OBUS | 9.0000e-006 | 8.1000e-005 |
| tblVehicleEF | OBUS | 1.8890e-003 | 6.3250e-003 |
| tblVehicleEF | OBUS | 1.0080e-003 | 2.1400e-004 |
| tblVehicleEF | OBUS | 3.4090e-003 | 3.4870e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.03 | 0.05 |
| tblVehicleEF | OBUS | 1.8280e-003 | 1.8700e-003 |
| tblVehicleEF | OBUS | 0.02 | 8.3270e-003 |
| tblVehicleEF | OBUS | 0.05 | 0.21 |
| tblVehicleEF | OBUS | 0.23 | 0.08 |
| tblVehicleEF | OBUS | 6.4700e-004 | 5.8100e-004 |
| tblVehicleEF | OBUS | 0.01 | 0.01 |
| tblVehicleEF | OBUS | 7.3700e-004 | 1.4500e-004 |
| tblVehicleEF | OBUS | 3.4090e-003 | 3.4870e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | OBUS | 0.04 | 0.07 |
| tblVehicleEF | OBUS | 1.8280e-003 | 1.8700e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.01 |
| tblVehicleEF | OBUS | 0.05 | 0.21 |
| tblVehicleEF | OBUS | 0.26 | 0.08 |
| tblVehicleEF | OBUS | 0.01 | 8.9730e-003 |
| tblVehicleEF | OBUS | 2.8700e-003 | 1.1410e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.25 | 0.55 |
| tblVehicleEF | OBUS | 0.18 | 0.13 |
| tblVehicleEF | OBUS | 3.68 | 1.29 |
| tblVehicleEF | OBUS | 59.84 | 62.53 |
| tblVehicleEF | OBUS | 1,099.49 | 1,126.05 |
| tblVehicleEF | OBUS | 67.73 | 14.86 |
| tblVehicleEF | OBUS | 0.12 | 0.30 |
| tblVehicleEF | OBUS | 0.30 | 0.90 |
| tblVehicleEF | OBUS | 1.57 | 0.83 |
| tblVehicleEF | OBUS | 1.4000e-005 | 1.1000e-004 |
| tblVehicleEF | OBUS | 2.0010e-003 | 6.6340e-003 |
| tblVehicleEF | OBUS | 1.0960e-003 | 2.3300e-004 |
| tblVehicleEF | OBUS | 1.3000e-005 | 1.0500e-004 |
| tblVehicleEF | OBUS | 1.8890e-003 | 6.3250e-003 |
| tblVehicleEF | OBUS | 1.0080e-003 | 2.1400e-004 |
| tblVehicleEF | OBUS | 1.7080e-003 | 1.7150e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.03 | 0.05 |
| tblVehicleEF | OBUS | 8.2900e-004 | 8.6700e-004 |
| tblVehicleEF | OBUS | 0.02 | 8.2510e-003 |
| tblVehicleEF | OBUS | 0.05 | 0.22 |
| tblVehicleEF | OBUS | 0.25 | 0.08 |

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|---|---|---|---|
| tblVehicleEF | OBUS | 5.8300e-004 | 5.9600e-004 |
| tblVehicleEF | OBUS | 0.01 | 0.01 |
| tblVehicleEF | OBUS | 7.4200e-004 | 1.4700e-004 |
| tblVehicleEF | OBUS | 1.7080e-003 | 1.7150e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.05 | 0.06 |
| tblVehicleEF | OBUS | 8.2900e-004 | 8.6700e-004 |
| tblVehicleEF | OBUS | 0.02 | 0.01 |
| tblVehicleEF | OBUS | 0.05 | 0.22 |
| tblVehicleEF | OBUS | 0.27 | 0.09 |
| tblVehicleEF | SBUS | 0.84 | 0.07 |
| tblVehicleEF | SBUS | 3.4940e-003 | 1.1460e-003 |
| tblVehicleEF | SBUS | 0.05 | 5.9990e-003 |
| tblVehicleEF | SBUS | 7.49 | 3.27 |
| tblVehicleEF | SBUS | 0.27 | 0.15 |
| tblVehicleEF | SBUS | 5.31 | 0.67 |
| tblVehicleEF | SBUS | 1,041.59 | 264.71 |
| tblVehicleEF | SBUS | 1,009.44 | 797.71 |
| tblVehicleEF | SBUS | 51.04 | 4.32 |
| tblVehicleEF | SBUS | 2.26 | 1.21 |
| tblVehicleEF | SBUS | 0.89 | 1.27 |
| tblVehicleEF | SBUS | 12.25 | 1.95 |
| tblVehicleEF | SBUS | 1.6700e-004 | 2.9600e-004 |
| tblVehicleEF | SBUS | 0.01 | 0.01 |
| tblVehicleEF | SBUS | 2.6080e-003 | 3.2600e-003 |
| tblVehicleEF | SBUS | 1.1460e-003 | 8.6000e-005 |
| tblVehicleEF | SBUS | 1.6000e-004 | 2.8300e-004 |
| tblVehicleEF | SBUS | 2.6280e-003 | 2.6360e-003 |
| tblVehicleEF | SBUS | 2.4730e-003 | 3.0970e-003 |
| tblVehicleEF | SBUS | 1.0540e-003 | 7.9000e-005 |

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|---|---|---|---|
| tblVehicleEF | SBUS | 4.8020e-003 | 1.5390e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 0.91 | 0.33 |
| tblVehicleEF | SBUS | 2.3030e-003 | 7.4500e-004 |
| tblVehicleEF | SBUS | 0.04 | 9.8310e-003 |
| tblVehicleEF | SBUS | 0.02 | 0.07 |
| tblVehicleEF | SBUS | 0.30 | 0.03 |
| tblVehicleEF | SBUS | 0.01 | 2.5280e-003 |
| tblVehicleEF | SBUS | 9.7350e-003 | 7.6480e-003 |
| tblVehicleEF | SBUS | 6.0300e-004 | 4.3000e-005 |
| tblVehicleEF | SBUS | 4.8020e-003 | 1.5390e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 1.32 | 0.48 |
| tblVehicleEF | SBUS | 2.3030e-003 | 7.4500e-004 |
| tblVehicleEF | SBUS | 0.05 | 0.01 |
| tblVehicleEF | SBUS | 0.02 | 0.07 |
| tblVehicleEF | SBUS | 0.32 | 0.04 |
| tblVehicleEF | SBUS | 0.84 | 0.07 |
| tblVehicleEF | SBUS | 3.5520e-003 | 1.1750e-003 |
| tblVehicleEF | SBUS | 0.04 | 4.8670e-003 |
| tblVehicleEF | SBUS | 7.45 | 3.25 |
| tblVehicleEF | SBUS | 0.27 | 0.16 |
| tblVehicleEF | SBUS | 3.62 | 0.46 |
| tblVehicleEF | SBUS | 1,088.52 | 261.66 |
| tblVehicleEF | SBUS | 1,009.44 | 797.72 |
| tblVehicleEF | SBUS | 51.04 | 3.96 |
| tblVehicleEF | SBUS | 2.33 | 1.15 |
| tblVehicleEF | SBUS | 0.84 | 1.19 |
| tblVehicleEF | SBUS | 12.23 | 1.94 |
| tblVehicleEF | SBUS | 1.4100e-004 | 2.6300e-004 |

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|---|---|---|---|
| tblVehicleEF | SBUS | 0.01 | 0.01 |
| tblVehicleEF | SBUS | 2.6080e-003 | 3.2600e-003 |
| tblVehicleEF | SBUS | 1.1460e-003 | 8.6000e-005 |
| tblVehicleEF | SBUS | 1.3500e-004 | 2.5200e-004 |
| tblVehicleEF | SBUS | 2.6280e-003 | 2.6360e-003 |
| tblVehicleEF | SBUS | 2.4730e-003 | 3.0970e-003 |
| tblVehicleEF | SBUS | 1.0540e-003 | 7.9000e-005 |
| tblVehicleEF | SBUS | 9.1300e-003 | 2.9130e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 0.91 | 0.33 |
| tblVehicleEF | SBUS | 4.8940e-003 | 1.5610e-003 |
| tblVehicleEF | SBUS | 0.04 | 9.9490e-003 |
| tblVehicleEF | SBUS | 0.01 | 0.06 |
| tblVehicleEF | SBUS | 0.24 | 0.03 |
| tblVehicleEF | SBUS | 0.01 | 2.4990e-003 |
| tblVehicleEF | SBUS | 9.7350e-003 | 7.6480e-003 |
| tblVehicleEF | SBUS | 5.7400e-004 | 3.9000e-005 |
| tblVehicleEF | SBUS | 9.1300e-003 | 2.9130e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 1.32 | 0.48 |
| tblVehicleEF | SBUS | 4.8940e-003 | 1.5610e-003 |
| tblVehicleEF | SBUS | 0.05 | 0.01 |
| tblVehicleEF | SBUS | 0.01 | 0.06 |
| tblVehicleEF | SBUS | 0.26 | 0.03 |
| tblVehicleEF | SBUS | 0.84 | 0.07 |
| tblVehicleEF | SBUS | 3.4960e-003 | 1.1470e-003 |
| tblVehicleEF | SBUS | 0.05 | 6.0700e-003 |
| tblVehicleEF | SBUS | 7.54 | 3.28 |
| tblVehicleEF | SBUS | 0.27 | 0.15 |
| tblVehicleEF | SBUS | 5.35 | 0.68 |

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|---|---|---|---|
| tblVehicleEF | SBUS | 976.79 | 268.93 |
| tblVehicleEF | SBUS | 1,009.44 | 797.71 |
| tblVehicleEF | SBUS | 51.04 | 4.33 |
| tblVehicleEF | SBUS | 2.16 | 1.30 |
| tblVehicleEF | SBUS | 0.88 | 1.25 |
| tblVehicleEF | SBUS | 12.25 | 1.95 |
| tblVehicleEF | SBUS | 2.0400e-004 | 3.4200e-004 |
| tblVehicleEF | SBUS | 0.01 | 0.01 |
| tblVehicleEF | SBUS | 2.6080e-003 | 3.2600e-003 |
| tblVehicleEF | SBUS | 1.1460e-003 | 8.6000e-005 |
| tblVehicleEF | SBUS | 1.9500e-004 | 3.2700e-004 |
| tblVehicleEF | SBUS | 2.6280e-003 | 2.6360e-003 |
| tblVehicleEF | SBUS | 2.4730e-003 | 3.0970e-003 |
| tblVehicleEF | SBUS | 1.0540e-003 | 7.9000e-005 |
| tblVehicleEF | SBUS | 4.5130e-003 | 1.4240e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 0.91 | 0.33 |
| tblVehicleEF | SBUS | 2.2490e-003 | 7.2700e-004 |
| tblVehicleEF | SBUS | 0.04 | 9.8350e-003 |
| tblVehicleEF | SBUS | 0.02 | 0.08 |
| tblVehicleEF | SBUS | 0.30 | 0.03 |
| tblVehicleEF | SBUS | 9.5830e-003 | 2.5680e-003 |
| tblVehicleEF | SBUS | 9.7350e-003 | 7.6480e-003 |
| tblVehicleEF | SBUS | 6.0300e-004 | 4.3000e-005 |
| tblVehicleEF | SBUS | 4.5130e-003 | 1.4240e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 1.32 | 0.47 |
| tblVehicleEF | SBUS | 2.2490e-003 | 7.2700e-004 |
| tblVehicleEF | SBUS | 0.05 | 0.01 |
| tblVehicleEF | SBUS | 0.02 | 0.08 |

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|---|---|---|---|
| tblVehicleEF | SBUS | 0.33 | 0.04 |
| tblVehicleEF | UBUS | 0.79 | 4.23 |
| tblVehicleEF | UBUS | 0.06 | 0.02 |
| tblVehicleEF | UBUS | 3.89 | 32.93 |
| tblVehicleEF | UBUS | 7.80 | 1.43 |
| tblVehicleEF | UBUS | 1,683.21 | 1,660.54 |
| tblVehicleEF | UBUS | 146.97 | 14.28 |
| tblVehicleEF | UBUS | 0.44 | 0.41 |
| tblVehicleEF | UBUS | 11.66 | 0.28 |
| tblVehicleEF | UBUS | 0.48 | 0.08 |
| tblVehicleEF | UBUS | 0.01 | 0.03 |
| tblVehicleEF | UBUS | 1.7350e-003 | 2.7300e-003 |
| tblVehicleEF | UBUS | 1.7320e-003 | 2.1800e-004 |
| tblVehicleEF | UBUS | 0.21 | 0.03 |
| tblVehicleEF | UBUS | 3.0000e-003 | 6.3130e-003 |
| tblVehicleEF | UBUS | 1.6160e-003 | 2.5940e-003 |
| tblVehicleEF | UBUS | 1.5920e-003 | 2.0000e-004 |
| tblVehicleEF | UBUS | 4.8450e-003 | 1.5660e-003 |
| tblVehicleEF | UBUS | 0.05 | 0.01 |
| tblVehicleEF | UBUS | 3.0640e-003 | 9.3600e-004 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.75 | 0.07 |
| tblVehicleEF | UBUS | 8.0120e-003 | 3.1230e-003 |
| tblVehicleEF | UBUS | 1.6140e-003 | 1.4100e-004 |
| tblVehicleEF | UBUS | 4.8450e-003 | 1.5660e-003 |
| tblVehicleEF | UBUS | 0.05 | 0.01 |
| tblVehicleEF | UBUS | 3.0640e-003 | 9.3600e-004 |
| tblVehicleEF | UBUS | 0.81 | 4.32 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |

| | | | |
|---|---|---|---|
| tblVehicleEF | UBUS | 0.82 | 0.08 |
| tblVehicleEF | UBUS | 0.79 | 4.23 |
| tblVehicleEF | UBUS | 0.05 | 0.02 |
| tblVehicleEF | UBUS | 3.90 | 32.93 |
| tblVehicleEF | UBUS | 6.46 | 1.18 |
| tblVehicleEF | UBUS | 1,683.21 | 1,660.54 |
| tblVehicleEF | UBUS | 146.97 | 13.85 |
| tblVehicleEF | UBUS | 0.40 | 0.40 |
| tblVehicleEF | UBUS | 11.59 | 0.26 |
| tblVehicleEF | UBUS | 0.48 | 0.08 |
| tblVehicleEF | UBUS | 0.01 | 0.03 |
| tblVehicleEF | UBUS | 1.7350e-003 | 2.7300e-003 |
| tblVehicleEF | UBUS | 1.7320e-003 | 2.1800e-004 |
| tblVehicleEF | UBUS | 0.21 | 0.03 |
| tblVehicleEF | UBUS | 3.0000e-003 | 6.3130e-003 |
| tblVehicleEF | UBUS | 1.6160e-003 | 2.5940e-003 |
| tblVehicleEF | UBUS | 1.5920e-003 | 2.0000e-004 |
| tblVehicleEF | UBUS | 8.9640e-003 | 2.9660e-003 |
| tblVehicleEF | UBUS | 0.07 | 0.02 |
| tblVehicleEF | UBUS | 6.6200e-003 | 2.0890e-003 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.67 | 0.06 |
| tblVehicleEF | UBUS | 8.0120e-003 | 3.1230e-003 |
| tblVehicleEF | UBUS | 1.5910e-003 | 1.3700e-004 |
| tblVehicleEF | UBUS | 8.9640e-003 | 2.9660e-003 |
| tblVehicleEF | UBUS | 0.07 | 0.02 |
| tblVehicleEF | UBUS | 6.6200e-003 | 2.0890e-003 |
| tblVehicleEF | UBUS | 0.82 | 4.32 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |

| | | | |
|---|---|---|---|
| tblVehicleEF | UBUS | 0.74 | 0.07 |
| tblVehicleEF | UBUS | 0.79 | 4.23 |
| tblVehicleEF | UBUS | 0.06 | 0.02 |
| tblVehicleEF | UBUS | 3.89 | 32.93 |
| tblVehicleEF | UBUS | 7.58 | 1.40 |
| tblVehicleEF | UBUS | 1,683.21 | 1,660.54 |
| tblVehicleEF | UBUS | 146.97 | 14.22 |
| tblVehicleEF | UBUS | 0.43 | 0.41 |
| tblVehicleEF | UBUS | 11.65 | 0.27 |
| tblVehicleEF | UBUS | 0.48 | 0.08 |
| tblVehicleEF | UBUS | 0.01 | 0.03 |
| tblVehicleEF | UBUS | 1.7350e-003 | 2.7300e-003 |
| tblVehicleEF | UBUS | 1.7320e-003 | 2.1800e-004 |
| tblVehicleEF | UBUS | 0.21 | 0.03 |
| tblVehicleEF | UBUS | 3.0000e-003 | 6.3130e-003 |
| tblVehicleEF | UBUS | 1.6160e-003 | 2.5940e-003 |
| tblVehicleEF | UBUS | 1.5920e-003 | 2.0000e-004 |
| tblVehicleEF | UBUS | 4.5770e-003 | 1.5720e-003 |
| tblVehicleEF | UBUS | 0.06 | 0.01 |
| tblVehicleEF | UBUS | 2.9830e-003 | 9.1600e-004 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.02 | 0.08 |
| tblVehicleEF | UBUS | 0.74 | 0.07 |
| tblVehicleEF | UBUS | 8.0120e-003 | 3.1230e-003 |
| tblVehicleEF | UBUS | 1.6110e-003 | 1.4100e-004 |
| tblVehicleEF | UBUS | 4.5770e-003 | 1.5720e-003 |
| tblVehicleEF | UBUS | 0.06 | 0.01 |
| tblVehicleEF | UBUS | 2.9830e-003 | 9.1600e-004 |
| tblVehicleEF | UBUS | 0.81 | 4.32 |
| tblVehicleEF | UBUS | 0.02 | 0.08 |

| | | | |
|---|---|---|---|
| tblVehicleEF | UBUS | 0.81 | 0.07 |
| tblVehicleTrips | ST_TR | 204.47 | 76.44 |
| tblVehicleTrips | ST_TR | 696.00 | 173.15 |
| tblVehicleTrips | ST_TR | 1.50 | 1.84 |
| tblVehicleTrips | ST_TR | 1.32 | 5.12 |
| tblVehicleTrips | ST_TR | 2.46 | 9.74 |
| tblVehicleTrips | ST_TR | 158.37 | 56.08 |
| tblVehicleTrips | ST_TR | 1.49 | 3.93 |
| tblVehicleTrips | ST_TR | 49.97 | 25.54 |
| tblVehicleTrips | ST_TR | 1.68 | 1.73 |
| tblVehicleTrips | SU_TR | 166.88 | 76.44 |
| tblVehicleTrips | SU_TR | 500.00 | 173.15 |
| tblVehicleTrips | SU_TR | 1.50 | 1.84 |
| tblVehicleTrips | SU_TR | 0.68 | 5.12 |
| tblVehicleTrips | SU_TR | 1.05 | 9.74 |
| tblVehicleTrips | SU_TR | 131.84 | 56.08 |
| tblVehicleTrips | SU_TR | 0.62 | 3.93 |
| tblVehicleTrips | SU_TR | 25.24 | 25.54 |
| tblVehicleTrips | SU_TR | 1.68 | 1.73 |
| tblVehicleTrips | WD_TR | 542.60 | 76.44 |
| tblVehicleTrips | WD_TR | 716.00 | 173.15 |
| tblVehicleTrips | WD_TR | 1.50 | 1.84 |
| tblVehicleTrips | WD_TR | 6.97 | 5.12 |
| tblVehicleTrips | WD_TR | 11.03 | 9.74 |
| tblVehicleTrips | WD_TR | 127.15 | 56.08 |
| tblVehicleTrips | WD_TR | 3.82 | 3.93 |
| tblVehicleTrips | WD_TR | 42.70 | 25.54 |
| tblVehicleTrips | WD_TR | 1.68 | 1.73 |

## 2.0 Emissions Summary

## 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 | | | | | |
| 2045 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Maximum** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | | | | | |
| 2045 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Maximum** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | 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** |

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---|---|---|---|---|
| | | Highest | | |

## 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 | 112.9477 | 2.1200e-003 | 0.2363 | 2.0000e-005 | | 8.4000e-004 | 8.4000e-004 | | 8.4000e-004 | 8.4000e-004 | 0.0000 | 0.4624 | 0.4624 | 1.1900e-003 | 0.0000 | 0.4922 |
| Energy | 1.9355 | 17.5955 | 14.7803 | 0.1056 | | 1.3373 | 1.3373 | | 1.3373 | 1.3373 | 0.0000 | 19,154.8893 | 19,154.8893 | 0.3671 | 0.3512 | 19,268.7173 |
| Mobile | 12.1488 | 53.3079 | 156.6281 | 0.5709 | 74.8700 | 0.4654 | 75.3354 | 20.0116 | 0.4410 | 20.4526 | 0.0000 | 53,602.9834 | 53,602.9834 | 2.2046 | 0.0000 | 53,658.0984 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 5,583.4288 | 0.0000 | 5,583.4288 | 329.9712 | 0.0000 | 13,832.7086 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 1,889.0791 | 0.0000 | 1,889.0791 | 194.0265 | 4.5814 | 8,104.9959 |
| **Total** | **127.0320** | **70.9056** | **171.6447** | **0.6765** | **74.8700** | **1.8035** | **76.6735** | **20.0116** | **1.7791** | **21.7907** | **7,472.5079** | **72,758.3351** | **80,230.8430** | **526.5707** | **4.9326** | **94,865.0124** |

55.115

### 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 | 99.3978 | 1.1700e-003 | 0.1369 | 1.0000e-005 | | 3.6000e-004 | 3.6000e-004 | | 3.6000e-004 | 3.6000e-004 | 0.0000 | 0.2492 | 0.2492 | 5.0000e-004 | 0.0000 | 0.2618 |
| Energy | 1.6357 | 14.8700 | 12.4908 | 0.0892 | | 1.1301 | 1.1301 | | 1.1301 | 1.1301 | 0.0000 | 16,187.7715 | 16,187.7715 | 0.3103 | 0.2968 | 16,283.9674 |
| Mobile | 12.1488 | 53.3079 | 156.6281 | 0.5709 | 74.8700 | 0.4654 | 75.3354 | 20.0116 | 0.4410 | 20.4526 | 0.0000 | 53,602.9834 | 53,602.9834 | 2.2046 | 0.0000 | 53,658.0984 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 1,395.8572 | 0.0000 | 1,395.8572 | 82.4928 | 0.0000 | 3,458.1772 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 1,511.2633 | 0.0000 | 1,511.2633 | 155.2212 | 3.6651 | 6,483.9967 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 113.1823 | 68.1791 | 169.2558 | 0.6601 | 74.8700 | 1.5959 | 76.4659 | 20.0116 | 1.5715 | 21.5831 | 2,907.1205 | 69,791.0041 | 72,698.1246 | 240.2294 | 3.9619 | 79,884.5015 |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Percent Reduction | 10.90 | 3.85 | 1.39 | 2.42 | 0.00 | 11.51 | 0.27 | 0.00 | 11.67 | 0.95 | 61.10 | 4.08 | 9.39 | 54.38 | 19.68 | 15.79 |

## 3.0 Construction Detail

### Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Demolition | Demolition | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 2 | Site Preparation | Site Preparation | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 3 | Grading | Grading | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 4 | Building Construction | Building Construction | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 5 | Paving | Paving | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 6 | Architectural Coating | Architectural Coating | 12/31/2045 | 12/31/2045 | 5 | 0 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 38,770,668; Non-Residential Outdoor: 12,923,556; Striped Parking**

### OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Demolition | Excavators | 0 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Grading | Excavators | 0 | 8.00 | 158 | 0.38 |

| | | | | | |
|---|---|---|---|---|---|
| Grading | Graders | 0 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 0 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 0 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 0 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 0 | 8.00 | 46 | 0.45 |
| Paving | Pavers | 0 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 0 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 0 | 8.00 | 80 | 0.38 |
| Architectural Coating | Air Compressors | 0 | 6.00 | 78 | 0.48 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 0 | 10,818.00 | 4,236.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 0 | 2,164.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

## 3.2 Demolition - 2045

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.3 Site Preparation - 2045

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.4 Grading - 2045

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.5 Building Construction - 2045

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.6 Paving - 2045

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.7 Architectural Coating - 2045

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive 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 | 12.1488 | 53.3079 | 156.6281 | 0.5709 | 74.8700 | 0.4654 | 75.3354 | 20.0116 | 0.4410 | 20.4526 | 0.0000 | 53,602.9834 | 53,602.9834 | 2.2046 | 0.0000 | 53,658.0984 |
| Unmitigated | 12.1488 | 53.3079 | 156.6281 | 0.5709 | 74.8700 | 0.4654 | 75.3354 | 20.0116 | 0.4410 | 20.4526 | 0.0000 | 53,602.9834 | 53,602.9834 | 2.2046 | 0.0000 | 53,658.0984 |

### 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Convenience Market With Gas Pumps | 2,751.84 | 2,751.84 | 2751.84 | 1,476,099 | 1,476,099 |
| Fast Food Restaurant w/o Drive Thru | 1,125.48 | 1,125.48 | 1125.48 | 1,814,905 | 1,814,905 |
| General Heavy Industry | 5,060.00 | 5,060.00 | 5060.00 | 14,772,726 | 14,772,726 |
| General Light Industry | 12,928.41 | 12,928.41 | 12928.41 | 37,744,636 | 37,744,636 |
| General Office Building | 3,360.30 | 3,360.30 | 3360.30 | 8,030,286 | 8,030,286 |
| High Turnover (Sit Down Restaurant) | 1,009.44 | 1,009.44 | 1009.44 | 1,171,217 | 1,171,217 |
| Manufacturing | 17,888.46 | 17,888.46 | 17888.46 | 52,225,547 | 52,225,547 |
| Regional Shopping Center | 842.82 | 842.82 | 842.82 | 1,477,720 | 1,477,720 |
| Unrefrigerated Warehouse-No Rail | 27,009.94 | 27,009.94 | 27009.94 | 78,855,810 | 78,855,810 |
| Total | 71,976.68 | 71,976.68 | 71,976.68 | 197,568,947 | 197,568,947 |

### 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | 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 |
| Convenience Market With Gas Pumps | 9.50 | 7.30 | 7.30 | 0.80 | 80.20 | 19.00 | 14 | 21 | 65 |
| Fast Food Restaurant w/o Drive Thru | 9.50 | 7.30 | 7.30 | 1.50 | 79.50 | 19.00 | 51 | 37 | 12 |
| General Heavy Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| High Turnover (Sit Down Restaurant) | 9.50 | 7.30 | 7.30 | 8.50 | 72.50 | 19.00 | 37 | 20 | 43 |
| Manufacturing | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |
| Unrefrigerated Warehouse-No Rail | 9.50 | 7.30 | 7.30 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Convenience Market With Gas Pumps | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Fast Food Restaurant w/o Drive Thru | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| General Heavy Industry | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| General Light Industry | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |
| General Office Building | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| High Turnover (Sit Down Restaurant) | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Manufacturing | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |
| Regional Shopping Center | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Unrefrigerated Warehouse-No Rail | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

| | ROG | NOx | CO | SO2 | Fugitive 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Mitigated | 1.6357 | 14.8700 | 12.4908 | 0.0892 | | 1.1301 | 1.1301 | | 1.1301 | 1.1301 | 0.0000 | 16,187.7715 | 16,187.7715 | 0.3103 | 0.2968 | 16,283.9674 |
| NaturalGas Unmitigated | 1.9355 | 17.5955 | 14.7803 | 0.1056 | | 1.3373 | 1.3373 | | 1.3373 | 1.3373 | 0.0000 | 19,154.8893 | 19,154.8893 | 0.3671 | 0.3512 | 19,268.7173 |

## 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 | | | | | |
| Convenience Market With Gas Pumps | 11282.7 | 6.0000e-005 | 5.5000e-004 | 4.6000e-004 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | 0.0000 | 0.6021 | 0.6021 | 1.0000e-005 | 1.0000e-005 | 0.6057 |
| Fast Food Restaurant w/o Drive Thru | 1.77736e+006 | 9.5800e-003 | 0.0871 | 0.0732 | 5.2000e-004 | | 6.6200e-003 | 6.6200e-003 | | 6.6200e-003 | 6.6200e-003 | 0.0000 | 94.8467 | 94.8467 | 1.8200e-003 | 1.7400e-003 | 95.4103 |
| General Heavy Industry | 8.93475e+007 | 0.4818 | 4.3798 | 3.6790 | 0.0263 | | 0.3329 | 0.3329 | | 0.3329 | 0.3329 | 0.0000 | 4,767.9229 | 4,767.9229 | 0.0914 | 0.0874 | 4,796.2562 |
| General Light Industry | 8.20398e+007 | 0.4424 | 4.0216 | 3.3781 | 0.0241 | | 0.3056 | 0.3056 | | 0.3056 | 0.3056 | 0.0000 | 4,377.9588 | 4,377.9588 | 0.0839 | 0.0803 | 4,403.9748 |
| General Office Building | 1.19715e+006 | 6.4600e-003 | 0.0587 | 0.0493 | 3.5000e-004 | | 4.4600e-003 | 4.4600e-003 | | 4.4600e-003 | 4.4600e-003 | 0.0000 | 63.8845 | 63.8845 | 1.2200e-003 | 1.1700e-003 | 64.2641 |
| High Turnover (Sit Down Restaurant) | 4.92192e+006 | 0.0265 | 0.2413 | 0.2027 | 1.4500e-003 | | 0.0183 | 0.0183 | | 0.0183 | 0.0183 | 0.0000 | 262.6524 | 262.6524 | 5.0300e-003 | 4.8200e-003 | 264.2132 |
| Manufacturing | 1.47887e+008 | 0.7974 | 7.2494 | 6.0895 | 0.0435 | | 0.5510 | 0.5510 | | 0.5510 | 0.5510 | 0.0000 | 7,891.8139 | 7,891.8139 | 0.1513 | 0.1447 | 7,938.7110 |
| Regional Shopping Center | 73260 | 4.0000e-004 | 3.5900e-003 | 3.0200e-003 | 2.0000e-005 | | 2.7000e-004 | 2.7000e-004 | | 2.7000e-004 | 2.7000e-004 | 0.0000 | 3.9094 | 3.9094 | 7.0000e-005 | 7.0000e-005 | 3.9327 |
| Unrefrigerated Warehouse-No Rail | 3.16937e+007 | 0.1709 | 1.5536 | 1.3050 | 9.3200e-003 | | 0.1181 | 0.1181 | | 0.1181 | 0.1181 | 0.0000 | 1,691.2987 | 1,691.2987 | 0.0324 | 0.0310 | 1,701.3492 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | | **1.9355** | **17.5955** | **14.7803** | **0.1056** | | **1.3373** | **1.3373** | | **1.3373** | **1.3373** | **0.0000** | **19,154.8893** | **19,154.8893** | **0.3671** | **0.3512** | **19,268.7173** |

**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 | | | | | |
| Convenience Market With Gas Pumps | 8355.3 | 5.0000e-005 | 4.1000e-004 | 3.4000e-004 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | | 3.0000e-005 | 3.0000e-005 | 0.0000 | 0.4459 | 0.4459 | 1.0000e-005 | 1.0000e-005 | 0.4485 |
| Fast Food Restaurant w/o Drive Thru | 1.6259e+006 | 8.7700e-003 | 0.0797 | 0.0670 | 4.8000e-004 | | 6.0600e-003 | 6.0600e-003 | | 6.0600e-003 | 6.0600e-003 | 0.0000 | 86.7644 | 86.7644 | 1.6600e-003 | 1.5900e-003 | 87.2800 |
| General Heavy Industry | 7.66755e+007 | 0.4135 | 3.7586 | 3.1572 | 0.0226 | | 0.2857 | 0.2857 | | 0.2857 | 0.2857 | 0.0000 | 4,091.6967 | 4,091.6967 | 0.0784 | 0.0750 | 4,116.0116 |
| General Light Industry | 7.04043e+007 | 0.3796 | 3.4512 | 2.8990 | 0.0207 | | 0.2623 | 0.2623 | | 0.2623 | 0.2623 | 0.0000 | 3,757.0405 | 3,757.0405 | 0.0720 | 0.0689 | 3,779.3667 |
| General Office Building | 838005 | 4.5200e-003 | 0.0411 | 0.0345 | 2.5000e-004 | | 3.1200e-003 | 3.1200e-003 | | 3.1200e-003 | 3.1200e-003 | 0.0000 | 44.7191 | 44.7191 | 8.6000e-004 | 8.2000e-004 | 44.9849 |
| High Turnover (Sit Down Restaurant) | 4.5025e+006 | 0.0243 | 0.2207 | 0.1854 | 1.3200e-003 | | 0.0168 | 0.0168 | | 0.0168 | 0.0168 | 0.0000 | 240.2707 | 240.2707 | 4.6100e-003 | 4.4000e-003 | 241.6985 |
| Manufacturing | 1.26912e+008 | 0.6843 | 6.2212 | 5.2258 | 0.0373 | | 0.4728 | 0.4728 | | 0.4728 | 0.4728 | 0.0000 | 6,772.5317 | 6,772.5317 | 0.1298 | 0.1242 | 6,812.7775 |
| Regional Shopping Center | 54252 | 2.9000e-004 | 2.6600e-003 | 2.2300e-003 | 2.0000e-005 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | 0.0000 | 2.8951 | 2.8951 | 6.0000e-005 | 5.0000e-005 | 2.9123 |
| Unrefrigerated Warehouse-No Rail | 2.23261e+007 | 0.1204 | 1.0944 | 0.9193 | 6.5700e-003 | | 0.0832 | 0.0832 | | 0.0832 | 0.0832 | 0.0000 | 1,191.4075 | 1,191.4075 | 0.0228 | 0.0218 | 1,198.4874 |
| **Total** | | **1.6357** | **14.8700** | **12.4908** | **0.0892** | | **1.1301** | **1.1301** | | **1.1301** | **1.1301** | **0.0000** | **16,187.7715** | **16,187.7715** | **0.3103** | **0.2968** | **16,283.9674** |

## 5.3 Energy by Land Use - Electricity

**Unmitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |

| | | | | | |
|---|---|---|---|---|---|
| Convenience Market With Gas Pumps | 64189.4 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Fast Food Restaurant w/o Drive Thru | 308620 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Heavy Industry | 2.79125e+007 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 2.56296e+007 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Office Building | 3.2844e+006 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| High Turnover (Sit Down Restaurant) | 854640 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 4.62005e+007 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 416790 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 3.68459e+007 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Convenience Market With Gas Pumps | 57206.4 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Fast Food Restaurant w/o Drive Thru | 284479 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Heavy Industry | 2.60975e+007 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Light Industry | 2.3963e+007 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Office Building | 2.96666e+006 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| High Turnover (Sit Down Restaurant) | 787788 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing | 4.31963e+007 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | |
|---|---|---|---|---|---|
| Regional Shopping Center | 371448 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 3.51129e+007 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

Use Low VOC Cleaning Supplies

| | ROG | NOx | CO | SO2 | Fugitive 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 | 99.3978 | 1.1700e-003 | 0.1369 | 1.0000e-005 | | 3.6000e-004 | 3.6000e-004 | | 3.6000e-004 | 3.6000e-004 | 0.0000 | 0.2492 | 0.2492 | 5.0000e-004 | 0.0000 | 0.2618 |
| Unmitigated | 112.9477 | 2.1200e-003 | 0.2363 | 2.0000e-005 | | 8.4000e-004 | 8.4000e-004 | | 8.4000e-004 | 8.4000e-004 | 0.0000 | 0.4624 | 0.4624 | 1.1900e-003 | 0.0000 | 0.4922 |

### 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 | 11.9802 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 100.9459 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 0.0216 | 2.1200e-003 | 0.2363 | 2.0000e-005 | | 8.4000e-004 | 8.4000e-004 | | 8.4000e-004 | 8.4000e-004 | 0.0000 | 0.4624 | 0.4624 | 1.1900e-003 | 0.0000 | 0.4922 |
| **Total** | **112.9477** | **2.1200e-003** | **0.2363** | **2.0000e-005** | | **8.4000e-004** | **8.4000e-004** | | **8.4000e-004** | **8.4000e-004** | **0.0000** | **0.4624** | **0.4624** | **1.1900e-003** | **0.0000** | **0.4922** |

**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 | 5.9901 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 93.3985 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 9.1800e-003 | 1.1700e-003 | 0.1369 | 1.0000e-005 | | 3.6000e-004 | 3.6000e-004 | | 3.6000e-004 | 3.6000e-004 | 0.0000 | 0.2492 | 0.2492 | 5.0000e-004 | 0.0000 | 0.2618 |
| **Total** | **99.3978** | **1.1700e-003** | **0.1369** | **1.0000e-005** | | **3.6000e-004** | **3.6000e-004** | | **3.6000e-004** | **3.6000e-004** | **0.0000** | **0.2492** | **0.2492** | **5.0000e-004** | **0.0000** | **0.2618** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| Category | MT/yr | | | |
| Mitigated | 1,511.2633 | 155.2212 | 3.6651 | 6,483.9967 |
| Unmitigated | 1,889.0791 | 194.0265 | 4.5814 | 8,104.9959 |

## 7.2 Water by Land Use

**Unmitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Convenience Market With Gas Pumps | 0.376458 / 0.230733 | 0.1194 | 0.0123 | 2.9000e-004 | 0.5124 |
| Fast Food Restaurant w/o Drive Thru | 1.97297 / 0.125934 | 0.6259 | 0.0643 | 1.5200e-003 | 2.6855 |
| General Heavy Industry | 635.938 / 0 | 201.7536 | 20.7220 | 0.4893 | 865.6135 |
| General Light Industry | 583.925 / 0 | 185.2524 | 19.0272 | 0.4493 | 794.8158 |
| General Office Building | 61.3181 / 37.5821 | 19.4534 | 1.9981 | 0.0472 | 83.4639 |
| High Turnover (Sit Down Restaurant) | 5.46361 / 0.348741 | 1.7334 | 0.1780 | 4.2000e-003 | 7.4369 |

| | | | | | |
|---|---|---|---|---|---|
| Manufacturing | 1052.6 / 0 | 333.9404 | 34.2989 | 0.8099 | 1,432.7540 |
| Regional Shopping Center | 2.44439 / 1.49818 | 0.7755 | 0.0797 | 1.8800e-003 | 3.3272 |
| Unrefrigerated Warehouse-No Rail | 3610.44 / 0 | 1,145.4251 | 117.6461 | 2.7779 | 4,914.3868 |
| **Total** | | **1,889.0791** | **194.0265** | **4.5814** | **8,104.9959** |

**Mitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Convenience Market With Gas Pumps | 0.301167 / 0.216658 | 0.0956 | 9.8100e-003 | 2.3000e-004 | 0.4099 |
| Fast Food Restaurant w/o Drive Thru | 1.57838 / 0.118252 | 0.5008 | 0.0514 | 1.2100e-003 | 2.1484 |
| General Heavy Industry | 508.75 / 0 | 161.4029 | 16.5776 | 0.3914 | 692.4908 |
| General Light Industry | 467.14 / 0 | 148.2019 | 15.2218 | 0.3594 | 635.8526 |
| General Office Building | 49.0545 / 35.2896 | 15.5627 | 1.5984 | 0.0377 | 66.7711 |
| High Turnover (Sit Down Restaurant) | 4.37089 / 0.327468 | 1.3867 | 0.1424 | 3.3600e-003 | 5.9495 |
| Manufacturing | 842.077 / 0 | 267.1523 | 27.4391 | 0.6479 | 1,146.2032 |
| Regional Shopping Center | 1.95551 / 1.40679 | 0.6204 | 0.0637 | 1.5000e-003 | 2.6618 |
| Unrefrigerated Warehouse-No Rail | 2888.35 / 0 | 916.3400 | 94.1169 | 2.2223 | 3,931.5094 |
| **Total** | | **1,511.2633** | **155.2212** | **3.6651** | **6,483.9967** |

# 8.0 Waste Detail

## 8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

**Category/Year**

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| | MT/yr | | | |
| Mitigated | 1,395.8572 | 82.4928 | 0.0000 | 3,458.1772 |
| Unmitigated | 5,583.4288 | 329.9712 | 0.0000 | 13,832.7086 |

## 8.2 Waste by Land Use

**Unmitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Fast Food Restaurant w/o Drive Thru | 74.87 | 15.1979 | 0.8982 | 0.0000 | 37.6522 |
| General Heavy Industry | 3410 | 692.1992 | 40.9078 | 0.0000 | 1,714.8942 |
| General Light Industry | 3131.1 | 635.5850 | 37.5620 | 0.0000 | 1,574.6349 |
| General Office Building | 320.85 | 65.1297 | 3.8491 | 0.0000 | 161.3560 |
| High Turnover (Sit Down Restaurant) | 214.2 | 43.4807 | 2.5696 | 0.0000 | 107.7215 |
| Manufacturing | 5644.19 | 1,145.7196 | 67.7101 | 0.0000 | 2,838.4717 |
| Regional Shopping Center | 34.65 | 7.0336 | 0.4157 | 0.0000 | 17.4255 |

| | | | | | |
|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 14675.9 | 2,979.0832 | 176.0588 | 0.0000 | 7,380.5525 |
| **Total** | | **5,583.4288** | **329.9712** | **0.0000** | **13,832.7086** |

**Mitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Fast Food Restaurant w/o Drive Thru | 18.7175 | 3.7995 | 0.2245 | 0.0000 | 9.4131 |
| General Heavy Industry | 852.5 | 173.0498 | 10.2270 | 0.0000 | 428.7235 |
| General Light Industry | 782.775 | 158.8963 | 9.3905 | 0.0000 | 393.6587 |
| General Office Building | 80.2125 | 16.2824 | 0.9623 | 0.0000 | 40.3390 |
| High Turnover (Sit Down Restaurant) | 53.55 | 10.8702 | 0.6424 | 0.0000 | 26.9304 |
| Manufacturing | 1411.05 | 286.4299 | 16.9275 | 0.0000 | 709.6179 |
| Regional Shopping Center | 8.6625 | 1.7584 | 0.1039 | 0.0000 | 4.3564 |
| Unrefrigerated Warehouse-No Rail | 3668.99 | 744.7708 | 44.0147 | 0.0000 | 1,845.1381 |
| **Total** | | **1,395.8572** | **82.4928** | **0.0000** | **3,458.1772** |

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

## 11.0 Vegetation

| | | | | | |
|---|---|---|---|---|---|
| *Direct Emissions* | | | | | |
| ▪ Construction (amortized over 30 years)[4] | *2,291.61* | *0.11* | *2.7* | *0* | *0* |
| ▪ Area Source | *0.25* | *<0.01* | *0.01* | *0* | *0* |
| ▪ Mobile Source | *53,602.98* | *2.2* | *55.12* | *0* | *0* |
| *Total Direct Emissions* [3,5] | *55,894.84* | *2.31* | *57.83* | *0.00* | *0.00* |
| *Indirect Emissions* | | | | | |
| ▪ Energy | 16,187.77 | 0.31 | 7.75 | 0.3 | 88.45 |
| ▪ Solid Waste | 1,395.86 | 82.49 | 2,062.32 | 0 | 0 |
| ▪ Water Demand | 1,511.26 | 155.22 | 3,880.53 | 3.67 | 1,092.20 |
| *Total indirect Emissions* [3,5] | *19,094.89* | *238.02* | *5,950.60* | *3.97* | *1,180.65* |

| |
|---|
| *2,294.31* |
| *0.26* |
| *53,658.10* |
| *55,952.67* |
| |
| 16,283.97 |
| 3,458.12 |
| 6,484.00 |
| *26,226.09* |

82,178.76
65,255.64

# SCLA Specific Plan EIR - Mitigated Operational

**San Bernardino-Mojave Desert County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Office Building | 345.00 | 1000sqft | 799.20 | 345,000.00 | 0 |
| General Heavy Industry | 2,750.00 | 1000sqft | 799.20 | 2,750,000.00 | 0 |
| General Light Industry | 2,525.08 | 1000sqft | 799.20 | 2,525,080.00 | 0 |
| Manufacturing | 4,551.77 | 1000sqft | 799.20 | 4,551,770.00 | 0 |
| Unrefrigerated Warehouse-No Rail | 15,612.68 | 1000sqft | 797.76 | 15,612,680.00 | 0 |
| Fast Food Restaurant w/o Drive Thru | 6.50 | 1000sqft | 0.15 | 6,500.00 | 0 |
| High Turnover (Sit Down Restaurant) | 18.00 | 1000sqft | 0.41 | 18,000.00 | 0 |
| Convenience Market With Gas Pumps | 36.00 | Pump | 0.12 | 5,082.30 | 0 |
| Regional Shopping Center | 33.00 | 1000sqft | 0.76 | 33,000.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.6 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 10 | | | **Operational Year** | 2050 |
| **Utility Company** | Statewide Average | | | | |
| **CO2 Intensity (lb/MWhr)** | 0 | **CH4 Intensity (lb/MWhr)** | 0 | **N2O Intensity (lb/MWhr)** | 0 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - Statewide Average with 100% reduction due to goals & regulation in SB 100 (2045 - 100% renewable energy).

Land Use - Based off the Land Use Intensities in the Michael Baker International, Southern California Logistics Airport Specific Plan Traffic Impact Analysis, April 23, 2020, and information from the Applicant.

Construction Phase - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Grading - Operational Run Only.

Architectural Coating - MDAQMD Rule 1113

Vehicle Trips - Per the traffic study the project would have 71,971 ADT.

Vehicle Emission Factors - EMFAC2017 Model Run for San Bernardino County (2050)

Vehicle Emission Factors - EMFAC2017 Model Run for San Bernardino County (2050)

Vehicle Emission Factors - EMFAC2017 Model Run for San Bernardino County (2050)

Area Coating - MDAQMD Rule 1113

Energy Use -

Mobile Land Use Mitigation -

Area Mitigation - MDAQMD Rule 1113

Energy Mitigation - 2019 Title 24 Requirements are 30% more efficient than model 2016 Title 24 standards.

Water Mitigation - 2019 Title 24 & CalGreen.

Waste Mitigation - AB 341 post 2020 requirement.

Fleet Mix - According to the TIA and communication with the traffic engineer, only the manufacturing, warehousing, and light industrial uses would have truck trips, thus 100% LDA (passenger cars) was assumed.

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 100.00 |
| tblAreaCoating | Area_EF_Nonresidential_Exterior | 250 | 100 |
| tblAreaCoating | Area_EF_Nonresidential_Interior | 250 | 100 |

| | | | |
|---|---|---|---|
| tblAreaCoating | Area_EF_Parking | 250 | 100 |
| tblAreaCoating | Area_EF_Residential_Exterior | 250 | 100 |
| tblAreaCoating | Area_EF_Residential_Interior | 250 | 100 |
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| tblAreaMitigation | UseLowVOCPaintNonresidentialInteriorValue | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintParkingCheck | False | True |
| tblAreaMitigation | UseLowVOCPaintParkingValue | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintResidentialExteriorValue | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintResidentialInteriorValue | 100 | 50 |
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| tblConstructionPhase | NumDays | 155,000.00 | 0.00 |
| tblConstructionPhase | NumDays | 10,000.00 | 0.00 |
| tblConstructionPhase | NumDays | 15,500.00 | 0.00 |
| tblConstructionPhase | NumDays | 11,000.00 | 0.00 |
| tblConstructionPhase | NumDays | 6,000.00 | 0.00 |
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| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.07 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.07 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.07 |
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| tblFleetMix | LDA | 0.57 | 1.00 |
| tblFleetMix | LDA | 0.57 | 1.00 |
| tblFleetMix | LDA | 0.57 | 0.57 |
| tblFleetMix | LDA | 0.57 | 1.00 |
| tblFleetMix | LDA | 0.57 | 1.00 |

| | | | |
|---|---|---|---|
| tblFleetMix | LDA | 0.57 | 0.57 |
| tblFleetMix | LDA | 0.57 | 1.00 |
| tblFleetMix | LDA | 0.57 | 0.57 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.03 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.03 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.03 |
| tblFleetMix | LDT2 | 0.18 | 0.00 |
| tblFleetMix | LDT2 | 0.18 | 0.00 |
| tblFleetMix | LDT2 | 0.18 | 0.00 |
| tblFleetMix | LDT2 | 0.18 | 0.19 |
| tblFleetMix | LDT2 | 0.18 | 0.00 |
| tblFleetMix | LDT2 | 0.18 | 0.00 |
| tblFleetMix | LDT2 | 0.18 | 0.19 |
| tblFleetMix | LDT2 | 0.18 | 0.00 |
| tblFleetMix | LDT2 | 0.18 | 0.19 |
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| tblFleetMix | LHD1 | 8.5950e-003 | 0.00 |
| tblFleetMix | LHD1 | 8.5950e-003 | 0.00 |
| tblFleetMix | LHD1 | 8.5950e-003 | 8.7560e-003 |
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| tblFleetMix | LHD1 | 8.5950e-003 | 0.00 |
| tblFleetMix | LHD1 | 8.5950e-003 | 8.7560e-003 |
| tblFleetMix | LHD1 | 8.5950e-003 | 0.00 |
| tblFleetMix | LHD1 | 8.5950e-003 | 8.7560e-003 |

| | | | |
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| tblFleetMix | LHD2 | 4.0480e-003 | 0.00 |
| tblFleetMix | LHD2 | 4.0480e-003 | 4.0540e-003 |
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| tblFleetMix | LHD2 | 4.0480e-003 | 0.00 |
| tblFleetMix | LHD2 | 4.0480e-003 | 4.0540e-003 |
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| tblFleetMix | MCY | 5.2680e-003 | 5.2780e-003 |
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| tblFleetMix | MCY | 5.2680e-003 | 0.00 |
| tblFleetMix | MCY | 5.2680e-003 | 5.2780e-003 |
| tblFleetMix | MCY | 5.2680e-003 | 0.00 |
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| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.10 |
| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.10 |
| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.10 |
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| tblFleetMix | MH | 5.0700e-004 | 0.00 |
| tblFleetMix | MH | 5.0700e-004 | 0.00 |

| | | | |
|---|---|---|---|
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| tblFleetMix | MH | 5.0700e-004 | 0.00 |
| tblFleetMix | MH | 5.0700e-004 | 5.1200e-004 |
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| tblFleetMix | MHD | 0.02 | 0.00 |
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| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.02 |
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| tblFleetMix | OBUS | 1.3930e-003 | 1.3890e-003 |
| tblFleetMix | OBUS | 1.3930e-003 | 0.00 |
| tblFleetMix | OBUS | 1.3930e-003 | 0.00 |
| tblFleetMix | OBUS | 1.3930e-003 | 1.3890e-003 |
| tblFleetMix | OBUS | 1.3930e-003 | 0.00 |
| tblFleetMix | OBUS | 1.3930e-003 | 1.3890e-003 |
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| tblFleetMix | SBUS | 7.0100e-004 | 7.1900e-004 |
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| tblFleetMix | SBUS | 7.0100e-004 | 0.00 |

| | | | |
|---|---|---|---|
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| tblFleetMix | UBUS | 1.2670e-003 | 0.00 |
| tblFleetMix | UBUS | 1.2670e-003 | 0.00 |
| tblFleetMix | UBUS | 1.2670e-003 | 1.2680e-003 |
| tblFleetMix | UBUS | 1.2670e-003 | 0.00 |
| tblFleetMix | UBUS | 1.2670e-003 | 0.00 |
| tblFleetMix | UBUS | 1.2670e-003 | 1.2680e-003 |
| tblFleetMix | UBUS | 1.2670e-003 | 0.00 |
| tblFleetMix | UBUS | 1.2670e-003 | 1.2680e-003 |
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| tblLandUse | LotAcreage | 63.13 | 799.20 |
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| tblLandUse | LotAcreage | 104.49 | 799.20 |
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| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
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| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
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| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
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| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |

| | | | |
|---|---|---|---|
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| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
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| tblProjectCharacteristics | CO2IntensityFactor | 1001.57 | 0 |
| tblProjectCharacteristics | N2OIntensityFactor | 0.006 | 0 |
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| tblVehicleEF | HHD | 0.05 | 0.00 |
| tblVehicleEF | HHD | 2.11 | 8.88 |
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| tblVehicleEF | HHD | 6,274.34 | 1,131.00 |
| tblVehicleEF | HHD | 1,396.15 | 957.24 |
| tblVehicleEF | HHD | 4.91 | 0.02 |
| tblVehicleEF | HHD | 17.41 | 7.10 |
| tblVehicleEF | HHD | 1.08 | 1.93 |
| tblVehicleEF | HHD | 20.19 | 2.35 |
| tblVehicleEF | HHD | 1.7080e-003 | 2.5610e-003 |
| tblVehicleEF | HHD | 0.06 | 0.06 |
| tblVehicleEF | HHD | 0.04 | 0.04 |
| tblVehicleEF | HHD | 4.8890e-003 | 0.02 |
| tblVehicleEF | HHD | 6.1000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.6340e-003 | 2.4500e-003 |
| tblVehicleEF | HHD | 0.03 | 0.03 |
| tblVehicleEF | HHD | 8.8770e-003 | 8.9080e-003 |

| | | | |
|---|---|---|---|
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| tblVehicleEF | HHD | 5.6000e-005 | 0.00 |
| tblVehicleEF | HHD | 6.2000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 2.0270e-003 | 3.0000e-005 |
| tblVehicleEF | HHD | 0.56 | 0.60 |
| tblVehicleEF | HHD | 3.9000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.06 | 0.02 |
| tblVehicleEF | HHD | 1.3800e-004 | 1.4700e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | HHD | 0.06 | 0.01 |
| tblVehicleEF | HHD | 0.01 | 8.8470e-003 |
| tblVehicleEF | HHD | 7.6000e-005 | 0.00 |
| tblVehicleEF | HHD | 6.2000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 2.0270e-003 | 3.0000e-005 |
| tblVehicleEF | HHD | 0.65 | 0.68 |
| tblVehicleEF | HHD | 3.9000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.10 | 0.05 |
| tblVehicleEF | HHD | 1.3800e-004 | 1.4700e-004 |
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| tblVehicleEF | HHD | 0.78 | 0.03 |
| tblVehicleEF | HHD | 0.03 | 0.03 |
| tblVehicleEF | HHD | 0.05 | 0.00 |
| tblVehicleEF | HHD | 1.53 | 8.76 |
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| tblVehicleEF | HHD | 1,396.15 | 957.25 |
| tblVehicleEF | HHD | 4.91 | 0.02 |
| tblVehicleEF | HHD | 17.97 | 6.75 |
| tblVehicleEF | HHD | 1.02 | 1.82 |

| | | | |
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| tblVehicleEF | HHD | 0.04 | 0.04 |
| tblVehicleEF | HHD | 4.8890e-003 | 0.02 |
| tblVehicleEF | HHD | 6.1000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.3780e-003 | 2.1770e-003 |
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| tblVehicleEF | HHD | 8.8770e-003 | 8.9080e-003 |
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| tblVehicleEF | HHD | 1.1800e-004 | 2.0000e-006 |
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| tblVehicleEF | HHD | 0.53 | 0.63 |
| tblVehicleEF | HHD | 8.1000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.06 | 0.02 |
| tblVehicleEF | HHD | 1.3900e-004 | 1.4700e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | HHD | 0.06 | 0.01 |
| tblVehicleEF | HHD | 0.01 | 8.8470e-003 |
| tblVehicleEF | HHD | 7.4000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.1800e-004 | 2.0000e-006 |
| tblVehicleEF | HHD | 2.2440e-003 | 3.3000e-005 |
| tblVehicleEF | HHD | 0.61 | 0.72 |
| tblVehicleEF | HHD | 8.1000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.10 | 0.05 |
| tblVehicleEF | HHD | 1.3900e-004 | 1.4700e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | HHD | 0.89 | 0.03 |
| tblVehicleEF | HHD | 0.03 | 0.03 |

| | | | |
|---|---|---|---|
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| tblVehicleEF | HHD | 2.91 | 9.03 |
| tblVehicleEF | HHD | 0.55 | 0.30 |
| tblVehicleEF | HHD | 1.61 | 2.2370e-003 |
| tblVehicleEF | HHD | 5,759.57 | 1,151.45 |
| tblVehicleEF | HHD | 1,396.15 | 957.24 |
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| tblVehicleEF | HHD | 16.63 | 7.59 |
| tblVehicleEF | HHD | 1.07 | 1.90 |
| tblVehicleEF | HHD | 20.19 | 2.35 |
| tblVehicleEF | HHD | 2.0790e-003 | 2.9560e-003 |
| tblVehicleEF | HHD | 0.06 | 0.06 |
| tblVehicleEF | HHD | 0.04 | 0.04 |
| tblVehicleEF | HHD | 4.8890e-003 | 0.02 |
| tblVehicleEF | HHD | 6.1000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.9890e-003 | 2.8280e-003 |
| tblVehicleEF | HHD | 0.03 | 0.03 |
| tblVehicleEF | HHD | 8.8770e-003 | 8.9080e-003 |
| tblVehicleEF | HHD | 4.6770e-003 | 0.02 |
| tblVehicleEF | HHD | 5.6000e-005 | 0.00 |
| tblVehicleEF | HHD | 5.7000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 2.1340e-003 | 3.1000e-005 |
| tblVehicleEF | HHD | 0.61 | 0.55 |
| tblVehicleEF | HHD | 3.7000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.06 | 0.02 |
| tblVehicleEF | HHD | 1.5100e-004 | 1.6100e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | HHD | 0.05 | 0.01 |
| tblVehicleEF | HHD | 0.01 | 8.8470e-003 |
| tblVehicleEF | HHD | 7.5000e-005 | 0.00 |

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|---|---|---|---|
| tblVehicleEF | HHD | 5.7000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 2.1340e-003 | 3.1000e-005 |
| tblVehicleEF | HHD | 0.70 | 0.63 |
| tblVehicleEF | HHD | 3.7000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.10 | 0.05 |
| tblVehicleEF | HHD | 1.5100e-004 | 1.6100e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | LDA | 1.2210e-003 | 5.8400e-004 |
| tblVehicleEF | LDA | 4.7700e-004 | 0.02 |
| tblVehicleEF | LDA | 0.24 | 0.36 |
| tblVehicleEF | LDA | 0.30 | 1.26 |
| tblVehicleEF | LDA | 162.22 | 182.70 |
| tblVehicleEF | LDA | 34.63 | 35.74 |
| tblVehicleEF | LDA | 0.02 | 0.02 |
| tblVehicleEF | LDA | 0.01 | 0.11 |
| tblVehicleEF | LDA | 5.5000e-004 | 4.7100e-004 |
| tblVehicleEF | LDA | 7.9200e-004 | 6.0900e-004 |
| tblVehicleEF | LDA | 5.0600e-004 | 4.3300e-004 |
| tblVehicleEF | LDA | 7.2800e-004 | 5.6000e-004 |
| tblVehicleEF | LDA | 0.01 | 0.02 |
| tblVehicleEF | LDA | 0.03 | 0.03 |
| tblVehicleEF | LDA | 9.2080e-003 | 0.01 |
| tblVehicleEF | LDA | 3.0650e-003 | 1.6070e-003 |
| tblVehicleEF | LDA | 0.02 | 0.14 |
| tblVehicleEF | LDA | 6.4280e-003 | 0.06 |
| tblVehicleEF | LDA | 1.6220e-003 | 1.8070e-003 |
| tblVehicleEF | LDA | 3.5000e-004 | 3.5400e-004 |
| tblVehicleEF | LDA | 0.01 | 0.02 |
| tblVehicleEF | LDA | 0.03 | 0.03 |
| tblVehicleEF | LDA | 9.2080e-003 | 0.01 |

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|---|---|---|---|
| tblVehicleEF | LDA | 4.4570e-003 | 2.3290e-003 |
| tblVehicleEF | LDA | 0.02 | 0.14 |
| tblVehicleEF | LDA | 7.0380e-003 | 0.06 |
| tblVehicleEF | LDA | 1.3920e-003 | 6.7400e-004 |
| tblVehicleEF | LDA | 3.9800e-004 | 0.01 |
| tblVehicleEF | LDA | 0.30 | 0.45 |
| tblVehicleEF | LDA | 0.25 | 1.07 |
| tblVehicleEF | LDA | 177.52 | 199.49 |
| tblVehicleEF | LDA | 34.63 | 35.40 |
| tblVehicleEF | LDA | 0.02 | 0.01 |
| tblVehicleEF | LDA | 9.5520e-003 | 0.10 |
| tblVehicleEF | LDA | 5.5000e-004 | 4.7100e-004 |
| tblVehicleEF | LDA | 7.9200e-004 | 6.0900e-004 |
| tblVehicleEF | LDA | 5.0600e-004 | 4.3300e-004 |
| tblVehicleEF | LDA | 7.2800e-004 | 5.6000e-004 |
| tblVehicleEF | LDA | 0.02 | 0.03 |
| tblVehicleEF | LDA | 0.03 | 0.04 |
| tblVehicleEF | LDA | 0.02 | 0.03 |
| tblVehicleEF | LDA | 3.4880e-003 | 1.8230e-003 |
| tblVehicleEF | LDA | 0.02 | 0.14 |
| tblVehicleEF | LDA | 5.3660e-003 | 0.05 |
| tblVehicleEF | LDA | 1.7760e-003 | 1.9730e-003 |
| tblVehicleEF | LDA | 0.02 | 0.03 |
| tblVehicleEF | LDA | 0.03 | 0.04 |
| tblVehicleEF | LDA | 0.02 | 0.03 |
| tblVehicleEF | LDA | 5.0740e-003 | 2.6450e-003 |
| tblVehicleEF | LDA | 0.02 | 0.14 |
| tblVehicleEF | LDA | 5.8750e-003 | 0.05 |
| tblVehicleEF | LDA | 1.1890e-003 | 5.7000e-004 |
| tblVehicleEF | LDA | 4.7500e-004 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | LDA | 0.23 | 0.34 |
| tblVehicleEF | LDA | 0.29 | 1.24 |
| tblVehicleEF | LDA | 158.60 | 178.76 |
| tblVehicleEF | LDA | 34.63 | 35.71 |
| tblVehicleEF | LDA | 0.02 | 0.02 |
| tblVehicleEF | LDA | 0.01 | 0.11 |
| tblVehicleEF | LDA | 5.5000e-004 | 4.7100e-004 |
| tblVehicleEF | LDA | 7.9200e-004 | 6.0900e-004 |
| tblVehicleEF | LDA | 5.0600e-004 | 4.3300e-004 |
| tblVehicleEF | LDA | 7.2800e-004 | 5.6000e-004 |
| tblVehicleEF | LDA | 0.01 | 0.02 |
| tblVehicleEF | LDA | 0.03 | 0.03 |
| tblVehicleEF | LDA | 8.5160e-003 | 0.01 |
| tblVehicleEF | LDA | 2.9850e-003 | 1.5670e-003 |
| tblVehicleEF | LDA | 0.03 | 0.16 |
| tblVehicleEF | LDA | 6.4050e-003 | 0.06 |
| tblVehicleEF | LDA | 1.5860e-003 | 1.7680e-003 |
| tblVehicleEF | LDA | 3.5000e-004 | 3.5300e-004 |
| tblVehicleEF | LDA | 0.01 | 0.02 |
| tblVehicleEF | LDA | 0.03 | 0.03 |
| tblVehicleEF | LDA | 8.5160e-003 | 0.01 |
| tblVehicleEF | LDA | 4.3410e-003 | 2.2700e-003 |
| tblVehicleEF | LDA | 0.03 | 0.16 |
| tblVehicleEF | LDA | 7.0130e-003 | 0.06 |
| tblVehicleEF | LDT1 | 1.6300e-003 | 6.2400e-004 |
| tblVehicleEF | LDT1 | 6.5800e-004 | 0.02 |
| tblVehicleEF | LDT1 | 0.31 | 0.38 |
| tblVehicleEF | LDT1 | 0.38 | 1.33 |
| tblVehicleEF | LDT1 | 204.30 | 214.32 |
| tblVehicleEF | LDT1 | 44.26 | 42.86 |

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|---|---|---|---|
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 0.01 | 0.12 |
| tblVehicleEF | LDT1 | 6.7600e-004 | 5.0100e-004 |
| tblVehicleEF | LDT1 | 9.9100e-004 | 6.6900e-004 |
| tblVehicleEF | LDT1 | 6.2200e-004 | 4.6000e-004 |
| tblVehicleEF | LDT1 | 9.1100e-004 | 6.1500e-004 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 0.04 | 0.04 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 4.0420e-003 | 1.7040e-003 |
| tblVehicleEF | LDT1 | 0.03 | 0.17 |
| tblVehicleEF | LDT1 | 8.8770e-003 | 0.06 |
| tblVehicleEF | LDT1 | 2.0440e-003 | 2.1210e-003 |
| tblVehicleEF | LDT1 | 4.4800e-004 | 4.2400e-004 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 0.04 | 0.04 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 5.8960e-003 | 2.4850e-003 |
| tblVehicleEF | LDT1 | 0.03 | 0.17 |
| tblVehicleEF | LDT1 | 9.7190e-003 | 0.07 |
| tblVehicleEF | LDT1 | 1.8530e-003 | 7.1900e-004 |
| tblVehicleEF | LDT1 | 5.5000e-004 | 0.02 |
| tblVehicleEF | LDT1 | 0.38 | 0.46 |
| tblVehicleEF | LDT1 | 0.31 | 1.12 |
| tblVehicleEF | LDT1 | 223.10 | 231.16 |
| tblVehicleEF | LDT1 | 44.26 | 42.50 |
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 0.01 | 0.11 |
| tblVehicleEF | LDT1 | 6.7600e-004 | 5.0100e-004 |
| tblVehicleEF | LDT1 | 9.9100e-004 | 6.6900e-004 |

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|---|---|---|---|
| tblVehicleEF | LDT1 | 6.2200e-004 | 4.6000e-004 |
| tblVehicleEF | LDT1 | 9.1100e-004 | 6.1500e-004 |
| tblVehicleEF | LDT1 | 0.04 | 0.06 |
| tblVehicleEF | LDT1 | 0.05 | 0.05 |
| tblVehicleEF | LDT1 | 0.04 | 0.05 |
| tblVehicleEF | LDT1 | 4.5930e-003 | 1.9360e-003 |
| tblVehicleEF | LDT1 | 0.03 | 0.17 |
| tblVehicleEF | LDT1 | 7.4160e-003 | 0.05 |
| tblVehicleEF | LDT1 | 2.2330e-003 | 2.2880e-003 |
| tblVehicleEF | LDT1 | 4.4700e-004 | 4.2100e-004 |
| tblVehicleEF | LDT1 | 0.04 | 0.06 |
| tblVehicleEF | LDT1 | 0.05 | 0.05 |
| tblVehicleEF | LDT1 | 0.04 | 0.05 |
| tblVehicleEF | LDT1 | 6.7000e-003 | 2.8240e-003 |
| tblVehicleEF | LDT1 | 0.03 | 0.17 |
| tblVehicleEF | LDT1 | 8.1200e-003 | 0.06 |
| tblVehicleEF | LDT1 | 1.5890e-003 | 6.0900e-004 |
| tblVehicleEF | LDT1 | 6.5600e-004 | 0.02 |
| tblVehicleEF | LDT1 | 0.29 | 0.36 |
| tblVehicleEF | LDT1 | 0.37 | 1.31 |
| tblVehicleEF | LDT1 | 199.87 | 210.33 |
| tblVehicleEF | LDT1 | 44.26 | 42.82 |
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 0.01 | 0.12 |
| tblVehicleEF | LDT1 | 6.7600e-004 | 5.0100e-004 |
| tblVehicleEF | LDT1 | 9.9100e-004 | 6.6900e-004 |
| tblVehicleEF | LDT1 | 6.2200e-004 | 4.6000e-004 |
| tblVehicleEF | LDT1 | 9.1100e-004 | 6.1500e-004 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 0.04 | 0.05 |

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|---|---|---|---|
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 3.9390e-003 | 1.6600e-003 |
| tblVehicleEF | LDT1 | 0.04 | 0.20 |
| tblVehicleEF | LDT1 | 8.8500e-003 | 0.06 |
| tblVehicleEF | LDT1 | 2.0000e-003 | 2.0810e-003 |
| tblVehicleEF | LDT1 | 4.4800e-004 | 4.2400e-004 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 0.04 | 0.05 |
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 5.7450e-003 | 2.4220e-003 |
| tblVehicleEF | LDT1 | 0.04 | 0.20 |
| tblVehicleEF | LDT1 | 9.6900e-003 | 0.07 |
| tblVehicleEF | LDT2 | 1.8520e-003 | 8.0800e-004 |
| tblVehicleEF | LDT2 | 9.4600e-004 | 0.02 |
| tblVehicleEF | LDT2 | 0.38 | 0.43 |
| tblVehicleEF | LDT2 | 0.46 | 1.70 |
| tblVehicleEF | LDT2 | 237.56 | 213.49 |
| tblVehicleEF | LDT2 | 51.25 | 42.77 |
| tblVehicleEF | LDT2 | 0.03 | 0.02 |
| tblVehicleEF | LDT2 | 0.02 | 0.11 |
| tblVehicleEF | LDT2 | 6.6300e-004 | 5.2800e-004 |
| tblVehicleEF | LDT2 | 9.5100e-004 | 6.3500e-004 |
| tblVehicleEF | LDT2 | 6.1000e-004 | 4.8700e-004 |
| tblVehicleEF | LDT2 | 8.7400e-004 | 5.8400e-004 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 0.04 | 0.04 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 4.6110e-003 | 2.4080e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.16 |
| tblVehicleEF | LDT2 | 0.01 | 0.08 |

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|---|---|---|---|
| tblVehicleEF | LDT2 | 2.3770e-003 | 2.1120e-003 |
| tblVehicleEF | LDT2 | 5.1900e-004 | 4.2300e-004 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 0.04 | 0.04 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 6.7180e-003 | 3.4670e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.16 |
| tblVehicleEF | LDT2 | 0.01 | 0.09 |
| tblVehicleEF | LDT2 | 2.1050e-003 | 9.3000e-004 |
| tblVehicleEF | LDT2 | 8.5200e-004 | 0.02 |
| tblVehicleEF | LDT2 | 0.46 | 0.53 |
| tblVehicleEF | LDT2 | 0.42 | 1.43 |
| tblVehicleEF | LDT2 | 259.40 | 228.68 |
| tblVehicleEF | LDT2 | 51.25 | 42.29 |
| tblVehicleEF | LDT2 | 0.02 | 0.02 |
| tblVehicleEF | LDT2 | 0.02 | 0.10 |
| tblVehicleEF | LDT2 | 6.6300e-004 | 5.2800e-004 |
| tblVehicleEF | LDT2 | 9.5100e-004 | 6.3500e-004 |
| tblVehicleEF | LDT2 | 6.1000e-004 | 4.8700e-004 |
| tblVehicleEF | LDT2 | 8.7400e-004 | 5.8400e-004 |
| tblVehicleEF | LDT2 | 0.04 | 0.07 |
| tblVehicleEF | LDT2 | 0.04 | 0.05 |
| tblVehicleEF | LDT2 | 0.04 | 0.06 |
| tblVehicleEF | LDT2 | 5.2360e-003 | 2.7170e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.16 |
| tblVehicleEF | LDT2 | 0.01 | 0.07 |
| tblVehicleEF | LDT2 | 2.5970e-003 | 2.2620e-003 |
| tblVehicleEF | LDT2 | 5.1800e-004 | 4.1800e-004 |
| tblVehicleEF | LDT2 | 0.04 | 0.07 |
| tblVehicleEF | LDT2 | 0.04 | 0.05 |

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|---|---|---|---|
| tblVehicleEF | LDT2 | 0.04 | 0.06 |
| tblVehicleEF | LDT2 | 7.6310e-003 | 3.9180e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.16 |
| tblVehicleEF | LDT2 | 0.01 | 0.08 |
| tblVehicleEF | LDT2 | 1.8040e-003 | 7.8800e-004 |
| tblVehicleEF | LDT2 | 9.4400e-004 | 0.02 |
| tblVehicleEF | LDT2 | 0.36 | 0.41 |
| tblVehicleEF | LDT2 | 0.46 | 1.68 |
| tblVehicleEF | LDT2 | 232.43 | 209.90 |
| tblVehicleEF | LDT2 | 51.25 | 42.73 |
| tblVehicleEF | LDT2 | 0.02 | 0.02 |
| tblVehicleEF | LDT2 | 0.02 | 0.11 |
| tblVehicleEF | LDT2 | 6.6300e-004 | 5.2800e-004 |
| tblVehicleEF | LDT2 | 9.5100e-004 | 6.3500e-004 |
| tblVehicleEF | LDT2 | 6.1000e-004 | 4.8700e-004 |
| tblVehicleEF | LDT2 | 8.7400e-004 | 5.8400e-004 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 0.04 | 0.04 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 4.4930e-003 | 2.3500e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.19 |
| tblVehicleEF | LDT2 | 0.01 | 0.08 |
| tblVehicleEF | LDT2 | 2.3260e-003 | 2.0760e-003 |
| tblVehicleEF | LDT2 | 5.1900e-004 | 4.2300e-004 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 0.04 | 0.04 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 6.5470e-003 | 3.3820e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.19 |
| tblVehicleEF | LDT2 | 0.01 | 0.09 |

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|---|---|---|---|
| tblVehicleEF | LHD1 | 2.3700e-003 | 3.1740e-003 |
| tblVehicleEF | LHD1 | 1.4740e-003 | 1.2820e-003 |
| tblVehicleEF | LHD1 | 2.4440e-003 | 4.6000e-003 |
| tblVehicleEF | LHD1 | 0.12 | 0.17 |
| tblVehicleEF | LHD1 | 0.15 | 0.13 |
| tblVehicleEF | LHD1 | 0.92 | 0.71 |
| tblVehicleEF | LHD1 | 8.77 | 7.34 |
| tblVehicleEF | LHD1 | 529.63 | 507.43 |
| tblVehicleEF | LHD1 | 20.81 | 8.07 |
| tblVehicleEF | LHD1 | 0.04 | 0.03 |
| tblVehicleEF | LHD1 | 0.06 | 0.08 |
| tblVehicleEF | LHD1 | 0.23 | 0.17 |
| tblVehicleEF | LHD1 | 5.9400e-004 | 1.0370e-003 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 3.7090e-003 | 3.0240e-003 |
| tblVehicleEF | LHD1 | 4.3300e-004 | 1.7200e-004 |
| tblVehicleEF | LHD1 | 5.6800e-004 | 9.9200e-004 |
| tblVehicleEF | LHD1 | 2.6620e-003 | 2.5100e-003 |
| tblVehicleEF | LHD1 | 3.5340e-003 | 2.8720e-003 |
| tblVehicleEF | LHD1 | 3.9800e-004 | 1.5800e-004 |
| tblVehicleEF | LHD1 | 8.8800e-004 | 1.1440e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 5.6300e-004 | 7.2100e-004 |
| tblVehicleEF | LHD1 | 0.02 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.14 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 8.6000e-005 | 7.1000e-005 |
| tblVehicleEF | LHD1 | 5.1590e-003 | 4.9370e-003 |
| tblVehicleEF | LHD1 | 2.2300e-004 | 8.0000e-005 |

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|---|---|---|---|
| tblVehicleEF | LHD1 | 8.8800e-004 | 1.1440e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.02 |
| tblVehicleEF | LHD1 | 5.6300e-004 | 7.2100e-004 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.14 |
| tblVehicleEF | LHD1 | 0.04 | 0.02 |
| tblVehicleEF | LHD1 | 2.3700e-003 | 3.1830e-003 |
| tblVehicleEF | LHD1 | 1.4850e-003 | 1.2960e-003 |
| tblVehicleEF | LHD1 | 2.3260e-003 | 4.3920e-003 |
| tblVehicleEF | LHD1 | 0.12 | 0.17 |
| tblVehicleEF | LHD1 | 0.15 | 0.13 |
| tblVehicleEF | LHD1 | 0.87 | 0.67 |
| tblVehicleEF | LHD1 | 8.77 | 7.34 |
| tblVehicleEF | LHD1 | 529.63 | 507.43 |
| tblVehicleEF | LHD1 | 20.81 | 8.00 |
| tblVehicleEF | LHD1 | 0.04 | 0.03 |
| tblVehicleEF | LHD1 | 0.05 | 0.08 |
| tblVehicleEF | LHD1 | 0.22 | 0.16 |
| tblVehicleEF | LHD1 | 5.9400e-004 | 1.0370e-003 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 3.7090e-003 | 3.0240e-003 |
| tblVehicleEF | LHD1 | 4.3300e-004 | 1.7200e-004 |
| tblVehicleEF | LHD1 | 5.6800e-004 | 9.9200e-004 |
| tblVehicleEF | LHD1 | 2.6620e-003 | 2.5100e-003 |
| tblVehicleEF | LHD1 | 3.5340e-003 | 2.8720e-003 |
| tblVehicleEF | LHD1 | 3.9800e-004 | 1.5800e-004 |
| tblVehicleEF | LHD1 | 1.6870e-003 | 2.1770e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |

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|---|---|---|---|
| tblVehicleEF | LHD1 | 1.1580e-003 | 1.4920e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.14 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 8.6000e-005 | 7.1000e-005 |
| tblVehicleEF | LHD1 | 5.1590e-003 | 4.9370e-003 |
| tblVehicleEF | LHD1 | 2.2200e-004 | 7.9000e-005 |
| tblVehicleEF | LHD1 | 1.6870e-003 | 2.1770e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.02 |
| tblVehicleEF | LHD1 | 1.1580e-003 | 1.4920e-003 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.14 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 2.3700e-003 | 3.1760e-003 |
| tblVehicleEF | LHD1 | 1.4760e-003 | 1.2840e-003 |
| tblVehicleEF | LHD1 | 2.4240e-003 | 4.5650e-003 |
| tblVehicleEF | LHD1 | 0.12 | 0.17 |
| tblVehicleEF | LHD1 | 0.15 | 0.13 |
| tblVehicleEF | LHD1 | 0.91 | 0.71 |
| tblVehicleEF | LHD1 | 8.77 | 7.34 |
| tblVehicleEF | LHD1 | 529.63 | 507.43 |
| tblVehicleEF | LHD1 | 20.81 | 8.05 |
| tblVehicleEF | LHD1 | 0.04 | 0.03 |
| tblVehicleEF | LHD1 | 0.06 | 0.08 |
| tblVehicleEF | LHD1 | 0.23 | 0.16 |
| tblVehicleEF | LHD1 | 5.9400e-004 | 1.0370e-003 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 3.7090e-003 | 3.0240e-003 |
| tblVehicleEF | LHD1 | 4.3300e-004 | 1.7200e-004 |

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|---|---|---|---|
| tblVehicleEF | LHD1 | 5.6800e-004 | 9.9200e-004 |
| tblVehicleEF | LHD1 | 2.6620e-003 | 2.5100e-003 |
| tblVehicleEF | LHD1 | 3.5340e-003 | 2.8720e-003 |
| tblVehicleEF | LHD1 | 3.9800e-004 | 1.5800e-004 |
| tblVehicleEF | LHD1 | 8.1600e-004 | 1.0590e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 5.4400e-004 | 6.9800e-004 |
| tblVehicleEF | LHD1 | 0.02 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.15 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 8.6000e-005 | 7.1000e-005 |
| tblVehicleEF | LHD1 | 5.1590e-003 | 4.9370e-003 |
| tblVehicleEF | LHD1 | 2.2300e-004 | 8.0000e-005 |
| tblVehicleEF | LHD1 | 8.1600e-004 | 1.0590e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.02 |
| tblVehicleEF | LHD1 | 5.4400e-004 | 6.9800e-004 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.15 |
| tblVehicleEF | LHD1 | 0.04 | 0.02 |
| tblVehicleEF | LHD2 | 2.0550e-003 | 1.9790e-003 |
| tblVehicleEF | LHD2 | 1.8190e-003 | 2.5960e-003 |
| tblVehicleEF | LHD2 | 0.12 | 0.13 |
| tblVehicleEF | LHD2 | 0.14 | 0.15 |
| tblVehicleEF | LHD2 | 0.80 | 0.41 |
| tblVehicleEF | LHD2 | 13.27 | 11.72 |
| tblVehicleEF | LHD2 | 561.63 | 502.29 |
| tblVehicleEF | LHD2 | 20.88 | 5.25 |
| tblVehicleEF | LHD2 | 0.04 | 0.05 |

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|---|---|---|---|
| tblVehicleEF | LHD2 | 0.04 | 0.11 |
| tblVehicleEF | LHD2 | 0.17 | 0.09 |
| tblVehicleEF | LHD2 | 8.2400e-004 | 1.5310e-003 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 4.5960e-003 | 8.9230e-003 |
| tblVehicleEF | LHD2 | 3.8600e-004 | 9.9000e-005 |
| tblVehicleEF | LHD2 | 7.8800e-004 | 1.4650e-003 |
| tblVehicleEF | LHD2 | 2.7120e-003 | 2.7250e-003 |
| tblVehicleEF | LHD2 | 4.3850e-003 | 8.5250e-003 |
| tblVehicleEF | LHD2 | 3.5500e-004 | 9.1000e-005 |
| tblVehicleEF | LHD2 | 5.9400e-004 | 6.6600e-004 |
| tblVehicleEF | LHD2 | 0.01 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 3.6900e-004 | 4.2000e-004 |
| tblVehicleEF | LHD2 | 0.02 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.08 |
| tblVehicleEF | LHD2 | 0.02 | 0.01 |
| tblVehicleEF | LHD2 | 1.2900e-004 | 1.1200e-004 |
| tblVehicleEF | LHD2 | 5.4560e-003 | 4.8380e-003 |
| tblVehicleEF | LHD2 | 2.2200e-004 | 5.2000e-005 |
| tblVehicleEF | LHD2 | 5.9400e-004 | 6.6600e-004 |
| tblVehicleEF | LHD2 | 0.01 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 3.6900e-004 | 4.2000e-004 |
| tblVehicleEF | LHD2 | 0.03 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.08 |
| tblVehicleEF | LHD2 | 0.03 | 0.01 |
| tblVehicleEF | LHD2 | 2.0550e-003 | 1.9840e-003 |
| tblVehicleEF | LHD2 | 1.4530e-003 | 1.4520e-003 |
| tblVehicleEF | LHD2 | 1.8170e-003 | 2.4780e-003 |

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|---|---|---|---|
| tblVehicleEF | LHD2 | 0.12 | 0.13 |
| tblVehicleEF | LHD2 | 0.14 | 0.15 |
| tblVehicleEF | LHD2 | 0.76 | 0.38 |
| tblVehicleEF | LHD2 | 13.27 | 11.72 |
| tblVehicleEF | LHD2 | 561.63 | 502.29 |
| tblVehicleEF | LHD2 | 20.88 | 5.21 |
| tblVehicleEF | LHD2 | 0.04 | 0.05 |
| tblVehicleEF | LHD2 | 0.03 | 0.10 |
| tblVehicleEF | LHD2 | 0.17 | 0.09 |
| tblVehicleEF | LHD2 | 8.2400e-004 | 1.5310e-003 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 4.5960e-003 | 8.9230e-003 |
| tblVehicleEF | LHD2 | 3.8600e-004 | 9.9000e-005 |
| tblVehicleEF | LHD2 | 7.8800e-004 | 1.4650e-003 |
| tblVehicleEF | LHD2 | 2.7120e-003 | 2.7250e-003 |
| tblVehicleEF | LHD2 | 4.3850e-003 | 8.5250e-003 |
| tblVehicleEF | LHD2 | 3.5500e-004 | 9.1000e-005 |
| tblVehicleEF | LHD2 | 1.1370e-003 | 1.2660e-003 |
| tblVehicleEF | LHD2 | 0.02 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 7.7700e-004 | 8.6800e-004 |
| tblVehicleEF | LHD2 | 0.02 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.08 |
| tblVehicleEF | LHD2 | 0.02 | 9.9950e-003 |
| tblVehicleEF | LHD2 | 1.2900e-004 | 1.1200e-004 |
| tblVehicleEF | LHD2 | 5.4560e-003 | 4.8380e-003 |
| tblVehicleEF | LHD2 | 2.2100e-004 | 5.2000e-005 |
| tblVehicleEF | LHD2 | 1.1370e-003 | 1.2660e-003 |
| tblVehicleEF | LHD2 | 0.02 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |

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|---|---|---|---|
| tblVehicleEF | LHD2 | 7.7700e-004 | 8.6800e-004 |
| tblVehicleEF | LHD2 | 0.03 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.08 |
| tblVehicleEF | LHD2 | 0.03 | 0.01 |
| tblVehicleEF | LHD2 | 2.0550e-003 | 1.9800e-003 |
| tblVehicleEF | LHD2 | 1.8190e-003 | 2.5760e-003 |
| tblVehicleEF | LHD2 | 0.12 | 0.13 |
| tblVehicleEF | LHD2 | 0.14 | 0.15 |
| tblVehicleEF | LHD2 | 0.79 | 0.40 |
| tblVehicleEF | LHD2 | 13.27 | 11.72 |
| tblVehicleEF | LHD2 | 561.63 | 502.29 |
| tblVehicleEF | LHD2 | 20.88 | 5.24 |
| tblVehicleEF | LHD2 | 0.04 | 0.05 |
| tblVehicleEF | LHD2 | 0.04 | 0.11 |
| tblVehicleEF | LHD2 | 0.17 | 0.09 |
| tblVehicleEF | LHD2 | 8.2400e-004 | 1.5310e-003 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 4.5960e-003 | 8.9230e-003 |
| tblVehicleEF | LHD2 | 3.8600e-004 | 9.9000e-005 |
| tblVehicleEF | LHD2 | 7.8800e-004 | 1.4650e-003 |
| tblVehicleEF | LHD2 | 2.7120e-003 | 2.7250e-003 |
| tblVehicleEF | LHD2 | 4.3850e-003 | 8.5250e-003 |
| tblVehicleEF | LHD2 | 3.5500e-004 | 9.1000e-005 |
| tblVehicleEF | LHD2 | 5.6000e-004 | 6.1500e-004 |
| tblVehicleEF | LHD2 | 0.01 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 3.5700e-004 | 4.0700e-004 |
| tblVehicleEF | LHD2 | 0.02 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.09 |
| tblVehicleEF | LHD2 | 0.02 | 0.01 |

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|---|---|---|---|
| tblVehicleEF | LHD2 | 1.2900e-004 | 1.1200e-004 |
| tblVehicleEF | LHD2 | 5.4560e-003 | 4.8380e-003 |
| tblVehicleEF | LHD2 | 2.2200e-004 | 5.2000e-005 |
| tblVehicleEF | LHD2 | 5.6000e-004 | 6.1500e-004 |
| tblVehicleEF | LHD2 | 0.01 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 3.5700e-004 | 4.0700e-004 |
| tblVehicleEF | LHD2 | 0.03 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.09 |
| tblVehicleEF | LHD2 | 0.03 | 0.01 |
| tblVehicleEF | MCY | 0.45 | 0.31 |
| tblVehicleEF | MCY | 0.15 | 0.23 |
| tblVehicleEF | MCY | 17.23 | 17.23 |
| tblVehicleEF | MCY | 10.21 | 9.09 |
| tblVehicleEF | MCY | 172.59 | 209.98 |
| tblVehicleEF | MCY | 40.72 | 56.78 |
| tblVehicleEF | MCY | 1.13 | 1.13 |
| tblVehicleEF | MCY | 0.31 | 0.27 |
| tblVehicleEF | MCY | 2.2430e-003 | 2.2380e-003 |
| tblVehicleEF | MCY | 3.3690e-003 | 2.9880e-003 |
| tblVehicleEF | MCY | 2.0910e-003 | 2.0860e-003 |
| tblVehicleEF | MCY | 3.1400e-003 | 2.7850e-003 |
| tblVehicleEF | MCY | 1.42 | 1.42 |
| tblVehicleEF | MCY | 0.71 | 0.72 |
| tblVehicleEF | MCY | 0.74 | 0.74 |
| tblVehicleEF | MCY | 2.08 | 2.08 |
| tblVehicleEF | MCY | 0.34 | 1.23 |
| tblVehicleEF | MCY | 1.98 | 1.76 |
| tblVehicleEF | MCY | 2.0700e-003 | 2.0780e-003 |
| tblVehicleEF | MCY | 6.3200e-004 | 5.6200e-004 |

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|---|---|---|---|
| tblVehicleEF | MCY | 1.42 | 1.42 |
| tblVehicleEF | MCY | 0.71 | 0.72 |
| tblVehicleEF | MCY | 0.74 | 0.74 |
| tblVehicleEF | MCY | 2.61 | 2.61 |
| tblVehicleEF | MCY | 0.34 | 1.23 |
| tblVehicleEF | MCY | 2.16 | 1.92 |
| tblVehicleEF | MCY | 0.45 | 0.31 |
| tblVehicleEF | MCY | 0.13 | 0.21 |
| tblVehicleEF | MCY | 17.39 | 17.39 |
| tblVehicleEF | MCY | 9.03 | 8.01 |
| tblVehicleEF | MCY | 172.59 | 210.12 |
| tblVehicleEF | MCY | 40.72 | 54.30 |
| tblVehicleEF | MCY | 0.96 | 0.96 |
| tblVehicleEF | MCY | 0.29 | 0.25 |
| tblVehicleEF | MCY | 2.2430e-003 | 2.2380e-003 |
| tblVehicleEF | MCY | 3.3690e-003 | 2.9880e-003 |
| tblVehicleEF | MCY | 2.0910e-003 | 2.0860e-003 |
| tblVehicleEF | MCY | 3.1400e-003 | 2.7850e-003 |
| tblVehicleEF | MCY | 3.03 | 3.05 |
| tblVehicleEF | MCY | 1.12 | 1.14 |
| tblVehicleEF | MCY | 1.95 | 1.97 |
| tblVehicleEF | MCY | 2.05 | 2.05 |
| tblVehicleEF | MCY | 0.34 | 1.23 |
| tblVehicleEF | MCY | 1.74 | 1.54 |
| tblVehicleEF | MCY | 2.0710e-003 | 2.0790e-003 |
| tblVehicleEF | MCY | 6.0500e-004 | 5.3700e-004 |
| tblVehicleEF | MCY | 3.03 | 3.05 |
| tblVehicleEF | MCY | 1.12 | 1.14 |
| tblVehicleEF | MCY | 1.95 | 1.97 |
| tblVehicleEF | MCY | 2.58 | 2.57 |

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|---|---|---|---|
| tblVehicleEF | MCY | 0.34 | 1.23 |
| tblVehicleEF | MCY | 1.89 | 1.68 |
| tblVehicleEF | MCY | 0.45 | 0.31 |
| tblVehicleEF | MCY | 0.14 | 0.23 |
| tblVehicleEF | MCY | 16.57 | 16.57 |
| tblVehicleEF | MCY | 9.90 | 8.79 |
| tblVehicleEF | MCY | 172.59 | 208.84 |
| tblVehicleEF | MCY | 40.72 | 56.14 |
| tblVehicleEF | MCY | 1.09 | 1.09 |
| tblVehicleEF | MCY | 0.31 | 0.26 |
| tblVehicleEF | MCY | 2.2430e-003 | 2.2380e-003 |
| tblVehicleEF | MCY | 3.3690e-003 | 2.9880e-003 |
| tblVehicleEF | MCY | 2.0910e-003 | 2.0860e-003 |
| tblVehicleEF | MCY | 3.1400e-003 | 2.7850e-003 |
| tblVehicleEF | MCY | 1.64 | 1.65 |
| tblVehicleEF | MCY | 0.93 | 0.94 |
| tblVehicleEF | MCY | 0.65 | 0.66 |
| tblVehicleEF | MCY | 2.06 | 2.05 |
| tblVehicleEF | MCY | 0.40 | 1.45 |
| tblVehicleEF | MCY | 1.94 | 1.71 |
| tblVehicleEF | MCY | 2.0590e-003 | 2.0670e-003 |
| tblVehicleEF | MCY | 6.2600e-004 | 5.5600e-004 |
| tblVehicleEF | MCY | 1.64 | 1.65 |
| tblVehicleEF | MCY | 0.93 | 0.94 |
| tblVehicleEF | MCY | 0.65 | 0.66 |
| tblVehicleEF | MCY | 2.58 | 2.58 |
| tblVehicleEF | MCY | 0.40 | 1.45 |
| tblVehicleEF | MCY | 2.11 | 1.87 |
| tblVehicleEF | MDV | 2.0300e-003 | 8.0100e-004 |
| tblVehicleEF | MDV | 1.1120e-003 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | MDV | 0.41 | 0.42 |
| tblVehicleEF | MDV | 0.52 | 1.66 |
| tblVehicleEF | MDV | 308.49 | 257.45 |
| tblVehicleEF | MDV | 65.25 | 50.34 |
| tblVehicleEF | MDV | 0.03 | 0.02 |
| tblVehicleEF | MDV | 0.02 | 0.12 |
| tblVehicleEF | MDV | 6.8600e-004 | 5.0200e-004 |
| tblVehicleEF | MDV | 9.7200e-004 | 6.1900e-004 |
| tblVehicleEF | MDV | 6.3200e-004 | 4.6300e-004 |
| tblVehicleEF | MDV | 8.9400e-004 | 5.6900e-004 |
| tblVehicleEF | MDV | 0.05 | 0.06 |
| tblVehicleEF | MDV | 0.07 | 0.06 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 5.1430e-003 | 2.4100e-003 |
| tblVehicleEF | MDV | 0.04 | 0.16 |
| tblVehicleEF | MDV | 0.02 | 0.08 |
| tblVehicleEF | MDV | 3.0820e-003 | 2.5440e-003 |
| tblVehicleEF | MDV | 6.6000e-004 | 4.9800e-004 |
| tblVehicleEF | MDV | 0.05 | 0.06 |
| tblVehicleEF | MDV | 0.07 | 0.06 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 7.4620e-003 | 3.4640e-003 |
| tblVehicleEF | MDV | 0.04 | 0.16 |
| tblVehicleEF | MDV | 0.02 | 0.09 |
| tblVehicleEF | MDV | 2.3040e-003 | 9.2200e-004 |
| tblVehicleEF | MDV | 9.9100e-004 | 0.02 |
| tblVehicleEF | MDV | 0.50 | 0.52 |
| tblVehicleEF | MDV | 0.47 | 1.39 |
| tblVehicleEF | MDV | 335.87 | 272.21 |
| tblVehicleEF | MDV | 65.25 | 49.87 |

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|---|---|---|---|
| tblVehicleEF | MDV | 0.02 | 0.02 |
| tblVehicleEF | MDV | 0.02 | 0.11 |
| tblVehicleEF | MDV | 6.8600e-004 | 5.0200e-004 |
| tblVehicleEF | MDV | 9.7200e-004 | 6.1900e-004 |
| tblVehicleEF | MDV | 6.3200e-004 | 4.6300e-004 |
| tblVehicleEF | MDV | 8.9400e-004 | 5.6900e-004 |
| tblVehicleEF | MDV | 0.10 | 0.11 |
| tblVehicleEF | MDV | 0.08 | 0.07 |
| tblVehicleEF | MDV | 0.09 | 0.11 |
| tblVehicleEF | MDV | 5.8210e-003 | 2.7160e-003 |
| tblVehicleEF | MDV | 0.04 | 0.16 |
| tblVehicleEF | MDV | 0.01 | 0.07 |
| tblVehicleEF | MDV | 3.3570e-003 | 2.6900e-003 |
| tblVehicleEF | MDV | 6.5900e-004 | 4.9300e-004 |
| tblVehicleEF | MDV | 0.10 | 0.11 |
| tblVehicleEF | MDV | 0.08 | 0.07 |
| tblVehicleEF | MDV | 0.09 | 0.11 |
| tblVehicleEF | MDV | 8.4510e-003 | 3.9120e-003 |
| tblVehicleEF | MDV | 0.04 | 0.16 |
| tblVehicleEF | MDV | 0.01 | 0.07 |
| tblVehicleEF | MDV | 1.9790e-003 | 7.8200e-004 |
| tblVehicleEF | MDV | 1.1100e-003 | 0.02 |
| tblVehicleEF | MDV | 0.39 | 0.40 |
| tblVehicleEF | MDV | 0.52 | 1.63 |
| tblVehicleEF | MDV | 302.11 | 253.97 |
| tblVehicleEF | MDV | 65.25 | 50.29 |
| tblVehicleEF | MDV | 0.03 | 0.02 |
| tblVehicleEF | MDV | 0.02 | 0.11 |
| tblVehicleEF | MDV | 6.8600e-004 | 5.0200e-004 |
| tblVehicleEF | MDV | 9.7200e-004 | 6.1900e-004 |

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|---|---|---|---|
| tblVehicleEF | MDV | 6.3200e-004 | 4.6300e-004 |
| tblVehicleEF | MDV | 8.9400e-004 | 5.6900e-004 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 0.08 | 0.06 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 5.0170e-003 | 2.3530e-003 |
| tblVehicleEF | MDV | 0.04 | 0.19 |
| tblVehicleEF | MDV | 0.01 | 0.08 |
| tblVehicleEF | MDV | 3.0180e-003 | 2.5090e-003 |
| tblVehicleEF | MDV | 6.6000e-004 | 4.9800e-004 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 0.08 | 0.06 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 7.2770e-003 | 3.3810e-003 |
| tblVehicleEF | MDV | 0.04 | 0.19 |
| tblVehicleEF | MDV | 0.02 | 0.09 |
| tblVehicleEF | MH | 3.0780e-003 | 1.9990e-003 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 0.14 | 0.12 |
| tblVehicleEF | MH | 3.02 | 1.12 |
| tblVehicleEF | MH | 1,013.72 | 1,146.94 |
| tblVehicleEF | MH | 55.50 | 12.67 |
| tblVehicleEF | MH | 0.48 | 0.71 |
| tblVehicleEF | MH | 0.50 | 0.17 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 4.3110e-003 | 5.8600e-003 |
| tblVehicleEF | MH | 8.9400e-004 | 2.1300e-004 |
| tblVehicleEF | MH | 3.2190e-003 | 3.3080e-003 |
| tblVehicleEF | MH | 4.0920e-003 | 5.5770e-003 |
| tblVehicleEF | MH | 8.2200e-004 | 1.9600e-004 |

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|---|---|---|---|
| tblVehicleEF | MH | 0.37 | 0.31 |
| tblVehicleEF | MH | 0.02 | 0.01 |
| tblVehicleEF | MH | 0.18 | 0.15 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 2.7260e-003 | 0.17 |
| tblVehicleEF | MH | 0.18 | 0.06 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 6.0700e-004 | 1.2500e-004 |
| tblVehicleEF | MH | 0.37 | 0.31 |
| tblVehicleEF | MH | 0.02 | 0.01 |
| tblVehicleEF | MH | 0.18 | 0.15 |
| tblVehicleEF | MH | 0.02 | 0.02 |
| tblVehicleEF | MH | 2.7260e-003 | 0.17 |
| tblVehicleEF | MH | 0.20 | 0.07 |
| tblVehicleEF | MH | 3.1500e-003 | 2.0350e-003 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 0.14 | 0.13 |
| tblVehicleEF | MH | 2.77 | 1.03 |
| tblVehicleEF | MH | 1,013.72 | 1,146.94 |
| tblVehicleEF | MH | 55.50 | 12.51 |
| tblVehicleEF | MH | 0.44 | 0.65 |
| tblVehicleEF | MH | 0.48 | 0.17 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 4.3110e-003 | 5.8600e-003 |
| tblVehicleEF | MH | 8.9400e-004 | 2.1300e-004 |
| tblVehicleEF | MH | 3.2190e-003 | 3.3080e-003 |
| tblVehicleEF | MH | 4.0920e-003 | 5.5770e-003 |
| tblVehicleEF | MH | 8.2200e-004 | 1.9600e-004 |
| tblVehicleEF | MH | 0.70 | 0.59 |
| tblVehicleEF | MH | 0.02 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | MH | 0.37 | 0.31 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 2.7150e-003 | 0.17 |
| tblVehicleEF | MH | 0.17 | 0.06 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 6.0300e-004 | 1.2400e-004 |
| tblVehicleEF | MH | 0.70 | 0.59 |
| tblVehicleEF | MH | 0.02 | 0.02 |
| tblVehicleEF | MH | 0.37 | 0.31 |
| tblVehicleEF | MH | 0.02 | 0.02 |
| tblVehicleEF | MH | 2.7150e-003 | 0.17 |
| tblVehicleEF | MH | 0.19 | 0.06 |
| tblVehicleEF | MH | 3.0850e-003 | 2.0030e-003 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 0.14 | 0.12 |
| tblVehicleEF | MH | 3.00 | 1.12 |
| tblVehicleEF | MH | 1,013.72 | 1,146.94 |
| tblVehicleEF | MH | 55.50 | 12.66 |
| tblVehicleEF | MH | 0.47 | 0.69 |
| tblVehicleEF | MH | 0.50 | 0.17 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 4.3110e-003 | 5.8600e-003 |
| tblVehicleEF | MH | 8.9400e-004 | 2.1300e-004 |
| tblVehicleEF | MH | 3.2190e-003 | 3.3080e-003 |
| tblVehicleEF | MH | 4.0920e-003 | 5.5770e-003 |
| tblVehicleEF | MH | 8.2200e-004 | 1.9600e-004 |
| tblVehicleEF | MH | 0.35 | 0.29 |
| tblVehicleEF | MH | 0.02 | 0.01 |
| tblVehicleEF | MH | 0.17 | 0.14 |
| tblVehicleEF | MH | 0.01 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | MH | 2.9270e-003 | 0.18 |
| tblVehicleEF | MH | 0.18 | 0.06 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 6.0700e-004 | 1.2500e-004 |
| tblVehicleEF | MH | 0.35 | 0.29 |
| tblVehicleEF | MH | 0.02 | 0.01 |
| tblVehicleEF | MH | 0.17 | 0.14 |
| tblVehicleEF | MH | 0.02 | 0.02 |
| tblVehicleEF | MH | 2.9270e-003 | 0.18 |
| tblVehicleEF | MH | 0.20 | 0.07 |
| tblVehicleEF | MHD | 0.02 | 2.9730e-003 |
| tblVehicleEF | MHD | 1.5750e-003 | 4.9600e-004 |
| tblVehicleEF | MHD | 0.03 | 5.8120e-003 |
| tblVehicleEF | MHD | 0.29 | 0.32 |
| tblVehicleEF | MHD | 0.16 | 0.08 |
| tblVehicleEF | MHD | 2.26 | 0.44 |
| tblVehicleEF | MHD | 153.75 | 46.82 |
| tblVehicleEF | MHD | 1,078.59 | 773.61 |
| tblVehicleEF | MHD | 47.29 | 5.46 |
| tblVehicleEF | MHD | 0.40 | 0.25 |
| tblVehicleEF | MHD | 0.53 | 0.98 |
| tblVehicleEF | MHD | 11.96 | 1.84 |
| tblVehicleEF | MHD | 3.0000e-005 | 6.3000e-005 |
| tblVehicleEF | MHD | 2.6280e-003 | 7.4750e-003 |
| tblVehicleEF | MHD | 6.9500e-004 | 8.5000e-005 |
| tblVehicleEF | MHD | 2.9000e-005 | 6.0000e-005 |
| tblVehicleEF | MHD | 2.5110e-003 | 7.1470e-003 |
| tblVehicleEF | MHD | 6.3900e-004 | 7.8000e-005 |
| tblVehicleEF | MHD | 6.7900e-004 | 2.9800e-004 |
| tblVehicleEF | MHD | 0.02 | 9.7430e-003 |

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|---|---|---|---|
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 4.2500e-004 | 1.8700e-004 |
| tblVehicleEF | MHD | 0.03 | 7.2500e-003 |
| tblVehicleEF | MHD | 8.9470e-003 | 0.05 |
| tblVehicleEF | MHD | 0.15 | 0.03 |
| tblVehicleEF | MHD | 1.4770e-003 | 4.4400e-004 |
| tblVehicleEF | MHD | 0.01 | 7.3750e-003 |
| tblVehicleEF | MHD | 5.1300e-004 | 5.4000e-005 |
| tblVehicleEF | MHD | 6.7900e-004 | 2.9800e-004 |
| tblVehicleEF | MHD | 0.02 | 9.7430e-003 |
| tblVehicleEF | MHD | 0.03 | 0.02 |
| tblVehicleEF | MHD | 4.2500e-004 | 1.8700e-004 |
| tblVehicleEF | MHD | 0.03 | 8.4700e-003 |
| tblVehicleEF | MHD | 8.9470e-003 | 0.05 |
| tblVehicleEF | MHD | 0.17 | 0.03 |
| tblVehicleEF | MHD | 0.02 | 2.8360e-003 |
| tblVehicleEF | MHD | 1.5840e-003 | 5.0200e-004 |
| tblVehicleEF | MHD | 0.02 | 5.5560e-003 |
| tblVehicleEF | MHD | 0.21 | 0.28 |
| tblVehicleEF | MHD | 0.16 | 0.08 |
| tblVehicleEF | MHD | 2.11 | 0.41 |
| tblVehicleEF | MHD | 162.86 | 46.34 |
| tblVehicleEF | MHD | 1,078.59 | 773.61 |
| tblVehicleEF | MHD | 47.29 | 5.41 |
| tblVehicleEF | MHD | 0.41 | 0.24 |
| tblVehicleEF | MHD | 0.50 | 0.92 |
| tblVehicleEF | MHD | 11.95 | 1.84 |
| tblVehicleEF | MHD | 2.6000e-005 | 5.6000e-005 |
| tblVehicleEF | MHD | 2.6280e-003 | 7.4750e-003 |
| tblVehicleEF | MHD | 6.9500e-004 | 8.5000e-005 |

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|---|---|---|---|
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| tblVehicleEF | MHD | 2.5110e-003 | 7.1470e-003 |
| tblVehicleEF | MHD | 6.3900e-004 | 7.8000e-005 |
| tblVehicleEF | MHD | 1.2990e-003 | 5.6800e-004 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 8.9000e-004 | 3.8900e-004 |
| tblVehicleEF | MHD | 0.03 | 7.2680e-003 |
| tblVehicleEF | MHD | 8.9680e-003 | 0.05 |
| tblVehicleEF | MHD | 0.15 | 0.03 |
| tblVehicleEF | MHD | 1.5630e-003 | 4.4000e-004 |
| tblVehicleEF | MHD | 0.01 | 7.3750e-003 |
| tblVehicleEF | MHD | 5.1000e-004 | 5.4000e-005 |
| tblVehicleEF | MHD | 1.2990e-003 | 5.6800e-004 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 0.03 | 0.02 |
| tblVehicleEF | MHD | 8.9000e-004 | 3.8900e-004 |
| tblVehicleEF | MHD | 0.03 | 8.4970e-003 |
| tblVehicleEF | MHD | 8.9680e-003 | 0.05 |
| tblVehicleEF | MHD | 0.16 | 0.03 |
| tblVehicleEF | MHD | 0.02 | 3.1790e-003 |
| tblVehicleEF | MHD | 1.5760e-003 | 4.9600e-004 |
| tblVehicleEF | MHD | 0.03 | 5.7400e-003 |
| tblVehicleEF | MHD | 0.41 | 0.38 |
| tblVehicleEF | MHD | 0.16 | 0.08 |
| tblVehicleEF | MHD | 2.22 | 0.43 |
| tblVehicleEF | MHD | 141.16 | 47.47 |
| tblVehicleEF | MHD | 1,078.59 | 773.61 |
| tblVehicleEF | MHD | 47.29 | 5.45 |
| tblVehicleEF | MHD | 0.38 | 0.27 |

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|---|---|---|---|
| tblVehicleEF | MHD | 0.52 | 0.96 |
| tblVehicleEF | MHD | 11.96 | 1.84 |
| tblVehicleEF | MHD | 3.7000e-005 | 7.2000e-005 |
| tblVehicleEF | MHD | 2.6280e-003 | 7.4750e-003 |
| tblVehicleEF | MHD | 6.9500e-004 | 8.5000e-005 |
| tblVehicleEF | MHD | 3.5000e-005 | 6.9000e-005 |
| tblVehicleEF | MHD | 2.5110e-003 | 7.1470e-003 |
| tblVehicleEF | MHD | 6.3900e-004 | 7.8000e-005 |
| tblVehicleEF | MHD | 6.3300e-004 | 2.7700e-004 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 4.1100e-004 | 1.8000e-004 |
| tblVehicleEF | MHD | 0.03 | 7.2520e-003 |
| tblVehicleEF | MHD | 9.7910e-003 | 0.05 |
| tblVehicleEF | MHD | 0.15 | 0.03 |
| tblVehicleEF | MHD | 1.3580e-003 | 4.5000e-004 |
| tblVehicleEF | MHD | 0.01 | 7.3750e-003 |
| tblVehicleEF | MHD | 5.1200e-004 | 5.4000e-005 |
| tblVehicleEF | MHD | 6.3300e-004 | 2.7700e-004 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 0.03 | 0.02 |
| tblVehicleEF | MHD | 4.1100e-004 | 1.8000e-004 |
| tblVehicleEF | MHD | 0.03 | 8.4730e-003 |
| tblVehicleEF | MHD | 9.7910e-003 | 0.05 |
| tblVehicleEF | MHD | 0.17 | 0.03 |
| tblVehicleEF | OBUS | 0.01 | 9.0480e-003 |
| tblVehicleEF | OBUS | 2.8630e-003 | 1.1380e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.24 | 0.55 |
| tblVehicleEF | OBUS | 0.18 | 0.13 |

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|---|---|---|---|
| tblVehicleEF | OBUS | 3.71 | 1.30 |
| tblVehicleEF | OBUS | 63.70 | 61.60 |
| tblVehicleEF | OBUS | 1,099.49 | 1,126.05 |
| tblVehicleEF | OBUS | 67.73 | 14.87 |
| tblVehicleEF | OBUS | 0.13 | 0.28 |
| tblVehicleEF | OBUS | 0.31 | 0.92 |
| tblVehicleEF | OBUS | 1.58 | 0.83 |
| tblVehicleEF | OBUS | 1.1000e-005 | 9.6000e-005 |
| tblVehicleEF | OBUS | 2.0010e-003 | 6.6340e-003 |
| tblVehicleEF | OBUS | 1.0960e-003 | 2.3300e-004 |
| tblVehicleEF | OBUS | 1.1000e-005 | 9.1000e-005 |
| tblVehicleEF | OBUS | 1.8890e-003 | 6.3250e-003 |
| tblVehicleEF | OBUS | 1.0080e-003 | 2.1400e-004 |
| tblVehicleEF | OBUS | 1.7850e-003 | 1.8400e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.03 | 0.05 |
| tblVehicleEF | OBUS | 8.4700e-004 | 8.8800e-004 |
| tblVehicleEF | OBUS | 0.02 | 8.2420e-003 |
| tblVehicleEF | OBUS | 0.05 | 0.21 |
| tblVehicleEF | OBUS | 0.25 | 0.08 |
| tblVehicleEF | OBUS | 6.2000e-004 | 5.8700e-004 |
| tblVehicleEF | OBUS | 0.01 | 0.01 |
| tblVehicleEF | OBUS | 7.4200e-004 | 1.4700e-004 |
| tblVehicleEF | OBUS | 1.7850e-003 | 1.8400e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.04 | 0.06 |
| tblVehicleEF | OBUS | 8.4700e-004 | 8.8800e-004 |
| tblVehicleEF | OBUS | 0.02 | 0.01 |
| tblVehicleEF | OBUS | 0.05 | 0.21 |
| tblVehicleEF | OBUS | 0.27 | 0.09 |

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|---|---|---|---|
| tblVehicleEF | OBUS | 0.01 | 9.1370e-003 |
| tblVehicleEF | OBUS | 2.9230e-003 | 1.1660e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.24 | 0.54 |
| tblVehicleEF | OBUS | 0.18 | 0.13 |
| tblVehicleEF | OBUS | 3.41 | 1.20 |
| tblVehicleEF | OBUS | 66.50 | 60.92 |
| tblVehicleEF | OBUS | 1,099.49 | 1,126.06 |
| tblVehicleEF | OBUS | 67.73 | 14.69 |
| tblVehicleEF | OBUS | 0.13 | 0.27 |
| tblVehicleEF | OBUS | 0.29 | 0.85 |
| tblVehicleEF | OBUS | 1.55 | 0.82 |
| tblVehicleEF | OBUS | 1.0000e-005 | 8.5000e-005 |
| tblVehicleEF | OBUS | 2.0010e-003 | 6.6340e-003 |
| tblVehicleEF | OBUS | 1.0960e-003 | 2.3300e-004 |
| tblVehicleEF | OBUS | 9.0000e-006 | 8.1000e-005 |
| tblVehicleEF | OBUS | 1.8890e-003 | 6.3250e-003 |
| tblVehicleEF | OBUS | 1.0080e-003 | 2.1400e-004 |
| tblVehicleEF | OBUS | 3.4090e-003 | 3.4870e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.03 | 0.05 |
| tblVehicleEF | OBUS | 1.8280e-003 | 1.8700e-003 |
| tblVehicleEF | OBUS | 0.02 | 8.3270e-003 |
| tblVehicleEF | OBUS | 0.05 | 0.21 |
| tblVehicleEF | OBUS | 0.23 | 0.08 |
| tblVehicleEF | OBUS | 6.4700e-004 | 5.8100e-004 |
| tblVehicleEF | OBUS | 0.01 | 0.01 |
| tblVehicleEF | OBUS | 7.3700e-004 | 1.4500e-004 |
| tblVehicleEF | OBUS | 3.4090e-003 | 3.4870e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | OBUS | 0.04 | 0.07 |
| tblVehicleEF | OBUS | 1.8280e-003 | 1.8700e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.01 |
| tblVehicleEF | OBUS | 0.05 | 0.21 |
| tblVehicleEF | OBUS | 0.26 | 0.08 |
| tblVehicleEF | OBUS | 0.01 | 8.9730e-003 |
| tblVehicleEF | OBUS | 2.8700e-003 | 1.1410e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.25 | 0.55 |
| tblVehicleEF | OBUS | 0.18 | 0.13 |
| tblVehicleEF | OBUS | 3.68 | 1.29 |
| tblVehicleEF | OBUS | 59.84 | 62.53 |
| tblVehicleEF | OBUS | 1,099.49 | 1,126.05 |
| tblVehicleEF | OBUS | 67.73 | 14.86 |
| tblVehicleEF | OBUS | 0.12 | 0.30 |
| tblVehicleEF | OBUS | 0.30 | 0.90 |
| tblVehicleEF | OBUS | 1.57 | 0.83 |
| tblVehicleEF | OBUS | 1.4000e-005 | 1.1000e-004 |
| tblVehicleEF | OBUS | 2.0010e-003 | 6.6340e-003 |
| tblVehicleEF | OBUS | 1.0960e-003 | 2.3300e-004 |
| tblVehicleEF | OBUS | 1.3000e-005 | 1.0500e-004 |
| tblVehicleEF | OBUS | 1.8890e-003 | 6.3250e-003 |
| tblVehicleEF | OBUS | 1.0080e-003 | 2.1400e-004 |
| tblVehicleEF | OBUS | 1.7080e-003 | 1.7150e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.03 | 0.05 |
| tblVehicleEF | OBUS | 8.2900e-004 | 8.6700e-004 |
| tblVehicleEF | OBUS | 0.02 | 8.2510e-003 |
| tblVehicleEF | OBUS | 0.05 | 0.22 |
| tblVehicleEF | OBUS | 0.25 | 0.08 |

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|---|---|---|---|
| tblVehicleEF | OBUS | 5.8300e-004 | 5.9600e-004 |
| tblVehicleEF | OBUS | 0.01 | 0.01 |
| tblVehicleEF | OBUS | 7.4200e-004 | 1.4700e-004 |
| tblVehicleEF | OBUS | 1.7080e-003 | 1.7150e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.05 | 0.06 |
| tblVehicleEF | OBUS | 8.2900e-004 | 8.6700e-004 |
| tblVehicleEF | OBUS | 0.02 | 0.01 |
| tblVehicleEF | OBUS | 0.05 | 0.22 |
| tblVehicleEF | OBUS | 0.27 | 0.09 |
| tblVehicleEF | SBUS | 0.84 | 0.07 |
| tblVehicleEF | SBUS | 3.4940e-003 | 1.1460e-003 |
| tblVehicleEF | SBUS | 0.05 | 5.9990e-003 |
| tblVehicleEF | SBUS | 7.49 | 3.27 |
| tblVehicleEF | SBUS | 0.27 | 0.15 |
| tblVehicleEF | SBUS | 5.31 | 0.67 |
| tblVehicleEF | SBUS | 1,041.59 | 264.71 |
| tblVehicleEF | SBUS | 1,009.44 | 797.71 |
| tblVehicleEF | SBUS | 51.04 | 4.32 |
| tblVehicleEF | SBUS | 2.26 | 1.21 |
| tblVehicleEF | SBUS | 0.89 | 1.27 |
| tblVehicleEF | SBUS | 12.25 | 1.95 |
| tblVehicleEF | SBUS | 1.6700e-004 | 2.9600e-004 |
| tblVehicleEF | SBUS | 0.01 | 0.01 |
| tblVehicleEF | SBUS | 2.6080e-003 | 3.2600e-003 |
| tblVehicleEF | SBUS | 1.1460e-003 | 8.6000e-005 |
| tblVehicleEF | SBUS | 1.6000e-004 | 2.8300e-004 |
| tblVehicleEF | SBUS | 2.6280e-003 | 2.6360e-003 |
| tblVehicleEF | SBUS | 2.4730e-003 | 3.0970e-003 |
| tblVehicleEF | SBUS | 1.0540e-003 | 7.9000e-005 |

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| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 0.91 | 0.33 |
| tblVehicleEF | SBUS | 2.3030e-003 | 7.4500e-004 |
| tblVehicleEF | SBUS | 0.04 | 9.8310e-003 |
| tblVehicleEF | SBUS | 0.02 | 0.07 |
| tblVehicleEF | SBUS | 0.30 | 0.03 |
| tblVehicleEF | SBUS | 0.01 | 2.5280e-003 |
| tblVehicleEF | SBUS | 9.7350e-003 | 7.6480e-003 |
| tblVehicleEF | SBUS | 6.0300e-004 | 4.3000e-005 |
| tblVehicleEF | SBUS | 4.8020e-003 | 1.5390e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 1.32 | 0.48 |
| tblVehicleEF | SBUS | 2.3030e-003 | 7.4500e-004 |
| tblVehicleEF | SBUS | 0.05 | 0.01 |
| tblVehicleEF | SBUS | 0.02 | 0.07 |
| tblVehicleEF | SBUS | 0.32 | 0.04 |
| tblVehicleEF | SBUS | 0.84 | 0.07 |
| tblVehicleEF | SBUS | 3.5520e-003 | 1.1750e-003 |
| tblVehicleEF | SBUS | 0.04 | 4.8670e-003 |
| tblVehicleEF | SBUS | 7.45 | 3.25 |
| tblVehicleEF | SBUS | 0.27 | 0.16 |
| tblVehicleEF | SBUS | 3.62 | 0.46 |
| tblVehicleEF | SBUS | 1,088.52 | 261.66 |
| tblVehicleEF | SBUS | 1,009.44 | 797.72 |
| tblVehicleEF | SBUS | 51.04 | 3.96 |
| tblVehicleEF | SBUS | 2.33 | 1.15 |
| tblVehicleEF | SBUS | 0.84 | 1.19 |
| tblVehicleEF | SBUS | 12.23 | 1.94 |
| tblVehicleEF | SBUS | 1.4100e-004 | 2.6300e-004 |

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|---|---|---|---|
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| tblVehicleEF | SBUS | 2.6080e-003 | 3.2600e-003 |
| tblVehicleEF | SBUS | 1.1460e-003 | 8.6000e-005 |
| tblVehicleEF | SBUS | 1.3500e-004 | 2.5200e-004 |
| tblVehicleEF | SBUS | 2.6280e-003 | 2.6360e-003 |
| tblVehicleEF | SBUS | 2.4730e-003 | 3.0970e-003 |
| tblVehicleEF | SBUS | 1.0540e-003 | 7.9000e-005 |
| tblVehicleEF | SBUS | 9.1300e-003 | 2.9130e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 0.91 | 0.33 |
| tblVehicleEF | SBUS | 4.8940e-003 | 1.5610e-003 |
| tblVehicleEF | SBUS | 0.04 | 9.9490e-003 |
| tblVehicleEF | SBUS | 0.01 | 0.06 |
| tblVehicleEF | SBUS | 0.24 | 0.03 |
| tblVehicleEF | SBUS | 0.01 | 2.4990e-003 |
| tblVehicleEF | SBUS | 9.7350e-003 | 7.6480e-003 |
| tblVehicleEF | SBUS | 5.7400e-004 | 3.9000e-005 |
| tblVehicleEF | SBUS | 9.1300e-003 | 2.9130e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 1.32 | 0.48 |
| tblVehicleEF | SBUS | 4.8940e-003 | 1.5610e-003 |
| tblVehicleEF | SBUS | 0.05 | 0.01 |
| tblVehicleEF | SBUS | 0.01 | 0.06 |
| tblVehicleEF | SBUS | 0.26 | 0.03 |
| tblVehicleEF | SBUS | 0.84 | 0.07 |
| tblVehicleEF | SBUS | 3.4960e-003 | 1.1470e-003 |
| tblVehicleEF | SBUS | 0.05 | 6.0700e-003 |
| tblVehicleEF | SBUS | 7.54 | 3.28 |
| tblVehicleEF | SBUS | 0.27 | 0.15 |
| tblVehicleEF | SBUS | 5.35 | 0.68 |

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|---|---|---|---|
| tblVehicleEF | SBUS | 976.79 | 268.93 |
| tblVehicleEF | SBUS | 1,009.44 | 797.71 |
| tblVehicleEF | SBUS | 51.04 | 4.33 |
| tblVehicleEF | SBUS | 2.16 | 1.30 |
| tblVehicleEF | SBUS | 0.88 | 1.25 |
| tblVehicleEF | SBUS | 12.25 | 1.95 |
| tblVehicleEF | SBUS | 2.0400e-004 | 3.4200e-004 |
| tblVehicleEF | SBUS | 0.01 | 0.01 |
| tblVehicleEF | SBUS | 2.6080e-003 | 3.2600e-003 |
| tblVehicleEF | SBUS | 1.1460e-003 | 8.6000e-005 |
| tblVehicleEF | SBUS | 1.9500e-004 | 3.2700e-004 |
| tblVehicleEF | SBUS | 2.6280e-003 | 2.6360e-003 |
| tblVehicleEF | SBUS | 2.4730e-003 | 3.0970e-003 |
| tblVehicleEF | SBUS | 1.0540e-003 | 7.9000e-005 |
| tblVehicleEF | SBUS | 4.5130e-003 | 1.4240e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 0.91 | 0.33 |
| tblVehicleEF | SBUS | 2.2490e-003 | 7.2700e-004 |
| tblVehicleEF | SBUS | 0.04 | 9.8350e-003 |
| tblVehicleEF | SBUS | 0.02 | 0.08 |
| tblVehicleEF | SBUS | 0.30 | 0.03 |
| tblVehicleEF | SBUS | 9.5830e-003 | 2.5680e-003 |
| tblVehicleEF | SBUS | 9.7350e-003 | 7.6480e-003 |
| tblVehicleEF | SBUS | 6.0300e-004 | 4.3000e-005 |
| tblVehicleEF | SBUS | 4.5130e-003 | 1.4240e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 1.32 | 0.47 |
| tblVehicleEF | SBUS | 2.2490e-003 | 7.2700e-004 |
| tblVehicleEF | SBUS | 0.05 | 0.01 |
| tblVehicleEF | SBUS | 0.02 | 0.08 |

| | | | |
|---|---|---|---|
| tblVehicleEF | SBUS | 0.33 | 0.04 |
| tblVehicleEF | UBUS | 0.79 | 4.23 |
| tblVehicleEF | UBUS | 0.06 | 0.02 |
| tblVehicleEF | UBUS | 3.89 | 32.93 |
| tblVehicleEF | UBUS | 7.80 | 1.43 |
| tblVehicleEF | UBUS | 1,683.21 | 1,660.54 |
| tblVehicleEF | UBUS | 146.97 | 14.28 |
| tblVehicleEF | UBUS | 0.44 | 0.41 |
| tblVehicleEF | UBUS | 11.66 | 0.28 |
| tblVehicleEF | UBUS | 0.48 | 0.08 |
| tblVehicleEF | UBUS | 0.01 | 0.03 |
| tblVehicleEF | UBUS | 1.7350e-003 | 2.7300e-003 |
| tblVehicleEF | UBUS | 1.7320e-003 | 2.1800e-004 |
| tblVehicleEF | UBUS | 0.21 | 0.03 |
| tblVehicleEF | UBUS | 3.0000e-003 | 6.3130e-003 |
| tblVehicleEF | UBUS | 1.6160e-003 | 2.5940e-003 |
| tblVehicleEF | UBUS | 1.5920e-003 | 2.0000e-004 |
| tblVehicleEF | UBUS | 4.8450e-003 | 1.5660e-003 |
| tblVehicleEF | UBUS | 0.05 | 0.01 |
| tblVehicleEF | UBUS | 3.0640e-003 | 9.3600e-004 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.75 | 0.07 |
| tblVehicleEF | UBUS | 8.0120e-003 | 3.1230e-003 |
| tblVehicleEF | UBUS | 1.6140e-003 | 1.4100e-004 |
| tblVehicleEF | UBUS | 4.8450e-003 | 1.5660e-003 |
| tblVehicleEF | UBUS | 0.05 | 0.01 |
| tblVehicleEF | UBUS | 3.0640e-003 | 9.3600e-004 |
| tblVehicleEF | UBUS | 0.81 | 4.32 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |

| | | | |
|---|---|---|---|
| tblVehicleEF | UBUS | 0.82 | 0.08 |
| tblVehicleEF | UBUS | 0.79 | 4.23 |
| tblVehicleEF | UBUS | 0.05 | 0.02 |
| tblVehicleEF | UBUS | 3.90 | 32.93 |
| tblVehicleEF | UBUS | 6.46 | 1.18 |
| tblVehicleEF | UBUS | 1,683.21 | 1,660.54 |
| tblVehicleEF | UBUS | 146.97 | 13.85 |
| tblVehicleEF | UBUS | 0.40 | 0.40 |
| tblVehicleEF | UBUS | 11.59 | 0.26 |
| tblVehicleEF | UBUS | 0.48 | 0.08 |
| tblVehicleEF | UBUS | 0.01 | 0.03 |
| tblVehicleEF | UBUS | 1.7350e-003 | 2.7300e-003 |
| tblVehicleEF | UBUS | 1.7320e-003 | 2.1800e-004 |
| tblVehicleEF | UBUS | 0.21 | 0.03 |
| tblVehicleEF | UBUS | 3.0000e-003 | 6.3130e-003 |
| tblVehicleEF | UBUS | 1.6160e-003 | 2.5940e-003 |
| tblVehicleEF | UBUS | 1.5920e-003 | 2.0000e-004 |
| tblVehicleEF | UBUS | 8.9640e-003 | 2.9660e-003 |
| tblVehicleEF | UBUS | 0.07 | 0.02 |
| tblVehicleEF | UBUS | 6.6200e-003 | 2.0890e-003 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.67 | 0.06 |
| tblVehicleEF | UBUS | 8.0120e-003 | 3.1230e-003 |
| tblVehicleEF | UBUS | 1.5910e-003 | 1.3700e-004 |
| tblVehicleEF | UBUS | 8.9640e-003 | 2.9660e-003 |
| tblVehicleEF | UBUS | 0.07 | 0.02 |
| tblVehicleEF | UBUS | 6.6200e-003 | 2.0890e-003 |
| tblVehicleEF | UBUS | 0.82 | 4.32 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |

| | | | |
|---|---|---|---|
| tblVehicleEF | UBUS | 0.74 | 0.07 |
| tblVehicleEF | UBUS | 0.79 | 4.23 |
| tblVehicleEF | UBUS | 0.06 | 0.02 |
| tblVehicleEF | UBUS | 3.89 | 32.93 |
| tblVehicleEF | UBUS | 7.58 | 1.40 |
| tblVehicleEF | UBUS | 1,683.21 | 1,660.54 |
| tblVehicleEF | UBUS | 146.97 | 14.22 |
| tblVehicleEF | UBUS | 0.43 | 0.41 |
| tblVehicleEF | UBUS | 11.65 | 0.27 |
| tblVehicleEF | UBUS | 0.48 | 0.08 |
| tblVehicleEF | UBUS | 0.01 | 0.03 |
| tblVehicleEF | UBUS | 1.7350e-003 | 2.7300e-003 |
| tblVehicleEF | UBUS | 1.7320e-003 | 2.1800e-004 |
| tblVehicleEF | UBUS | 0.21 | 0.03 |
| tblVehicleEF | UBUS | 3.0000e-003 | 6.3130e-003 |
| tblVehicleEF | UBUS | 1.6160e-003 | 2.5940e-003 |
| tblVehicleEF | UBUS | 1.5920e-003 | 2.0000e-004 |
| tblVehicleEF | UBUS | 4.5770e-003 | 1.5720e-003 |
| tblVehicleEF | UBUS | 0.06 | 0.01 |
| tblVehicleEF | UBUS | 2.9830e-003 | 9.1600e-004 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.02 | 0.08 |
| tblVehicleEF | UBUS | 0.74 | 0.07 |
| tblVehicleEF | UBUS | 8.0120e-003 | 3.1230e-003 |
| tblVehicleEF | UBUS | 1.6110e-003 | 1.4100e-004 |
| tblVehicleEF | UBUS | 4.5770e-003 | 1.5720e-003 |
| tblVehicleEF | UBUS | 0.06 | 0.01 |
| tblVehicleEF | UBUS | 2.9830e-003 | 9.1600e-004 |
| tblVehicleEF | UBUS | 0.81 | 4.32 |
| tblVehicleEF | UBUS | 0.02 | 0.08 |

| | | | |
|---|---|---|---|
| tblVehicleEF | UBUS | 0.81 | 0.07 |
| tblVehicleTrips | ST_TR | 204.47 | 76.44 |
| tblVehicleTrips | ST_TR | 696.00 | 173.15 |
| tblVehicleTrips | ST_TR | 1.50 | 1.84 |
| tblVehicleTrips | ST_TR | 1.32 | 5.12 |
| tblVehicleTrips | ST_TR | 2.46 | 9.74 |
| tblVehicleTrips | ST_TR | 158.37 | 56.08 |
| tblVehicleTrips | ST_TR | 1.49 | 3.93 |
| tblVehicleTrips | ST_TR | 49.97 | 25.54 |
| tblVehicleTrips | ST_TR | 1.68 | 1.73 |
| tblVehicleTrips | SU_TR | 166.88 | 76.44 |
| tblVehicleTrips | SU_TR | 500.00 | 173.15 |
| tblVehicleTrips | SU_TR | 1.50 | 1.84 |
| tblVehicleTrips | SU_TR | 0.68 | 5.12 |
| tblVehicleTrips | SU_TR | 1.05 | 9.74 |
| tblVehicleTrips | SU_TR | 131.84 | 56.08 |
| tblVehicleTrips | SU_TR | 0.62 | 3.93 |
| tblVehicleTrips | SU_TR | 25.24 | 25.54 |
| tblVehicleTrips | SU_TR | 1.68 | 1.73 |
| tblVehicleTrips | WD_TR | 542.60 | 76.44 |
| tblVehicleTrips | WD_TR | 716.00 | 173.15 |
| tblVehicleTrips | WD_TR | 1.50 | 1.84 |
| tblVehicleTrips | WD_TR | 6.97 | 5.12 |
| tblVehicleTrips | WD_TR | 11.03 | 9.74 |
| tblVehicleTrips | WD_TR | 127.15 | 56.08 |
| tblVehicleTrips | WD_TR | 3.82 | 3.93 |
| tblVehicleTrips | WD_TR | 42.70 | 25.54 |
| tblVehicleTrips | WD_TR | 1.68 | 1.73 |

## 2.0 Emissions Summary

## 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 | | | | | |
| 2045 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Maximum** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | | | | | |
| 2045 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Maximum** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | 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** |

## 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 | 619.0131 | 0.0236 | 2.6253 | 2.0000e-004 | | 9.3100e-003 | 9.3100e-003 | | 9.3100e-003 | 9.3100e-003 | | 5.6635 | 5.6635 | 0.0146 | | 6.0282 |
| Energy | 10.6055 | 96.4139 | 80.9877 | 0.5785 | | 7.3275 | 7.3275 | | 7.3275 | 7.3275 | | 115,696.7187 | 115,696.7187 | 2.2175 | 2.1211 | 116,384.2464 |
| Mobile | 74.9558 | 276.8881 | 924.0169 | 3.3132 | 419.2379 | 2.5577 | 421.7956 | 111.8841 | 2.4237 | 114.3078 | | 342,519.1102 | 342,519.1102 | 13.0855 | | 342,846.2471 |
| **Total** | **704.5744** | **373.3256** | **1,007.6299** | **3.8919** | **419.2379** | **9.8945** | **429.1324** | **111.8841** | **9.7605** | **121.6445** | | **458,221.4923** | **458,221.4923** | **15.3176** | **2.1211** | **459,236.5217** |

**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 | 544.6971 | 0.0131 | 1.5216 | 1.0000e-004 | | 3.9500e-003 | 3.9500e-003 | | 3.9500e-003 | 3.9500e-003 | | 3.0523 | 3.0523 | 6.1800e-003 | | 3.2068 |
| Energy | 8.9627 | 81.4793 | 68.4426 | 0.4889 | | 6.1924 | 6.1924 | | 6.1924 | 6.1924 | | 97,775.1432 | 97,775.1432 | 1.8740 | 1.7925 | 98,356.1720 |
| Mobile | 74.9558 | 276.8881 | 924.0169 | 3.3132 | 419.2379 | 2.5577 | 421.7956 | 111.8841 | 2.4237 | 114.3078 | | 342,519.1102 | 342,519.1102 | 13.0855 | | 342,846.2471 |
| **Total** | **628.6156** | **358.3804** | **993.9811** | **3.8022** | **419.2379** | **8.7541** | **427.9920** | **111.8841** | **8.6201** | **120.5042** | | **440,297.3058** | **440,297.3058** | **14.9657** | **1.7925** | **441,205.6259** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **10.78** | **4.00** | **1.35** | **2.30** | **0.00** | **11.53** | **0.27** | **0.00** | **11.68** | **0.94** | **0.00** | **3.91** | **3.91** | **2.30** | **15.49** | **3.93** |

## 3.0 Construction Detail

**Construction Phase**

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Demolition | Demolition | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 2 | Site Preparation | Site Preparation | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 3 | Grading | Grading | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 4 | Building Construction | Building Construction | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 5 | Paving | Paving | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 6 | Architectural Coating | Architectural Coating | 12/31/2045 | 12/31/2045 | 5 | 0 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 38,770,668; Non-Residential Outdoor: 12,923,556; Striped Parking**

**OffRoad Equipment**

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Demolition | Excavators | 0 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Grading | Excavators | 0 | 8.00 | 158 | 0.38 |
| Grading | Graders | 0 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 0 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 0 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 0 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 0 | 8.00 | 46 | 0.45 |

| | | | | | |
|---|---|---|---|---|---|
| Paving | Pavers | 0 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 0 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 0 | 8.00 | 80 | 0.38 |
| Architectural Coating | Air Compressors | 0 | 6.00 | 78 | 0.48 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 0 | 10,818.00 | 4,236.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 0 | 2,164.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

## 3.2 Demolition - 2045

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.3 Site Preparation - 2045

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.4 Grading - 2045

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.5 Building Construction - 2045

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.6 Paving - 2045

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.7 Architectural Coating - 2045

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 74.9558 | 276.8881 | 924.0169 | 3.3132 | 419.2379 | 2.5577 | 421.7956 | 111.8841 | 2.4237 | 114.3078 | | 342,519.1102 | 342,519.1102 | 13.0855 | | 342,846.2471 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unmitigated | 74.9558 | 276.8881 | 924.0169 | 3.3132 | 419.2379 | 2.5577 | 421.7956 | 111.8841 | 2.4237 | 114.3078 | | 342,519.1102 | 342,519.1102 | 13.0855 | | 342,846.2471 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Convenience Market With Gas Pumps | 2,751.84 | 2,751.84 | 2751.84 | 1,476,099 | 1,476,099 |
| Fast Food Restaurant w/o Drive Thru | 1,125.48 | 1,125.48 | 1125.48 | 1,814,905 | 1,814,905 |
| General Heavy Industry | 5,060.00 | 5,060.00 | 5060.00 | 14,772,726 | 14,772,726 |
| General Light Industry | 12,928.41 | 12,928.41 | 12928.41 | 37,744,636 | 37,744,636 |
| General Office Building | 3,360.30 | 3,360.30 | 3360.30 | 8,030,286 | 8,030,286 |
| High Turnover (Sit Down Restaurant) | 1,009.44 | 1,009.44 | 1009.44 | 1,171,217 | 1,171,217 |
| Manufacturing | 17,888.46 | 17,888.46 | 17888.46 | 52,225,547 | 52,225,547 |
| Regional Shopping Center | 842.82 | 842.82 | 842.82 | 1,477,720 | 1,477,720 |
| Unrefrigerated Warehouse-No Rail | 27,009.94 | 27,009.94 | 27009.94 | 78,855,810 | 78,855,810 |
| Total | 71,976.68 | 71,976.68 | 71,976.68 | 197,568,947 | 197,568,947 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | 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 |
| Convenience Market With Gas Pumps | 9.50 | 7.30 | 7.30 | 0.80 | 80.20 | 19.00 | 14 | 21 | 65 |
| Fast Food Restaurant w/o Drive Thru | 9.50 | 7.30 | 7.30 | 1.50 | 79.50 | 19.00 | 51 | 37 | 12 |
| General Heavy Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| High Turnover (Sit Down Restaurant) | 9.50 | 7.30 | 7.30 | 8.50 | 72.50 | 19.00 | 37 | 20 | 43 |
| Manufacturing | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |
| Unrefrigerated Warehouse-No Rail | 9.50 | 7.30 | 7.30 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Convenience Market With Gas Pumps | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Fast Food Restaurant w/o Drive Thru | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| General Heavy Industry | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Light Industry | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |
| General Office Building | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| High Turnover (Sit Down Restaurant) | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Manufacturing | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |
| Regional Shopping Center | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Unrefrigerated Warehouse-No Rail | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 8.9627 | 81.4793 | 68.4426 | 0.4889 | | 6.1924 | 6.1924 | | 6.1924 | 6.1924 | | 97,775.1432 | 97,775.1432 | 1.8740 | 1.7925 | 98,356.1720 |
| NaturalGas Unmitigated | 10.6055 | 96.4139 | 80.9877 | 0.5785 | | 7.3275 | 7.3275 | | 7.3275 | 7.3275 | | 115,696.7187 | 115,696.7187 | 2.2175 | 2.1211 | 116,384.2464 |

### 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 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Convenience Market With Gas Pumps | 30.9115 | 3.3000e-004 | 3.0300e-003 | 2.5500e-003 | 2.0000e-005 | | 2.3000e-004 | 2.3000e-004 | | 2.3000e-004 | 2.3000e-004 | | 3.6367 | 3.6367 | 7.0000e-005 | 7.0000e-005 | 3.6583 |
| Fast Food Restaurant w/o Drive Thru | 4869.48 | 0.0525 | 0.4774 | 0.4010 | 2.8600e-003 | | 0.0363 | 0.0363 | | 0.0363 | 0.0363 | | 572.8799 | 572.8799 | 0.0110 | 0.0105 | 576.2843 |
| General Heavy Industry | 244788 | 2.6399 | 23.9988 | 20.1590 | 0.1440 | | 1.8239 | 1.8239 | | 1.8239 | 1.8239 | | 28,798.5496 | 28,798.5496 | 0.5520 | 0.5280 | 28,969.6849 |
| General Light Industry | 224767 | 2.4240 | 22.0360 | 18.5102 | 0.1322 | | 1.6747 | 1.6747 | | 1.6747 | 1.6747 | | 26,443.1424 | 26,443.1424 | 0.5068 | 0.4848 | 26,600.2807 |
| General Office Building | 3279.86 | 0.0354 | 0.3216 | 0.2701 | 1.9300e-003 | | 0.0244 | 0.0244 | | 0.0244 | 0.0244 | | 385.8662 | 385.8662 | 7.4000e-003 | 7.0700e-003 | 388.1593 |
| High Turnover (Sit Down Restaurant) | 13484.7 | 0.1454 | 1.3220 | 1.1105 | 7.9300e-003 | | 0.1005 | 0.1005 | | 0.1005 | 0.1005 | | 1,586.4367 | 1,586.4367 | 0.0304 | 0.0291 | 1,595.8641 |
| Manufacturing | 405170 | 4.3695 | 39.7225 | 33.3669 | 0.2383 | | 3.0189 | 3.0189 | | 3.0189 | 3.0189 | | 47,667.0451 | 47,667.0451 | 0.9136 | 0.8739 | 47,950.3065 |
| Regional Shopping Center | 200.712 | 2.1600e-003 | 0.0197 | 0.0165 | 1.2000e-004 | | 1.5000e-003 | 1.5000e-003 | | 1.5000e-003 | 1.5000e-003 | | 23.6132 | 23.6132 | 4.5000e-004 | 4.3000e-004 | 23.7535 |
| Unrefrigerated Warehouse-No Rail | 86832.2 | 0.9364 | 8.5130 | 7.1509 | 0.0511 | | 0.6470 | 0.6470 | | 0.6470 | 0.6470 | | 10,215.5489 | 10,215.5489 | 0.1958 | 0.1873 | 10,276.2548 |
| **Total** | | **10.6055** | **96.4139** | **80.9877** | **0.5785** | | **7.3275** | **7.3275** | | **7.3275** | **7.3275** | | **115,696.7187** | **115,696.7187** | **2.2175** | **2.1211** | **116,384.2464** |

## 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 | | | | | |
| Convenience Market With Gas Pumps | 0.0228912 | 2.5000e-004 | 2.2400e-003 | 1.8900e-003 | 1.0000e-005 | | 1.7000e-004 | 1.7000e-004 | | 1.7000e-004 | 1.7000e-004 | | 2.6931 | 2.6931 | 5.0000e-005 | 5.0000e-005 | 2.7091 |
| Fast Food Restaurant w/o Drive Thru | 4.45453 | 0.0480 | 0.4367 | 0.3668 | 2.6200e-003 | | 0.0332 | 0.0332 | | 0.0332 | 0.0332 | | 524.0624 | 524.0624 | 0.0100 | 9.6100e-003 | 527.1766 |
| General Heavy Industry | 210.07 | 2.2655 | 20.5951 | 17.2999 | 0.1236 | | 1.5652 | 1.5652 | | 1.5652 | 1.5652 | | 24,714.1015 | 24,714.1015 | 0.4737 | 0.4531 | 24,860.9651 |
| General Light Industry | 192.888 | 2.0802 | 18.9106 | 15.8849 | 0.1135 | | 1.4372 | 1.4372 | | 1.4372 | 1.4372 | | 22,692.7576 | 22,692.7576 | 0.4349 | 0.4160 | 22,827.6094 |
| General Office Building | 2.2959 | 0.0248 | 0.2251 | 0.1891 | 1.3500e-003 | | 0.0171 | 0.0171 | | 0.0171 | 0.0171 | | 270.1064 | 270.1064 | 5.1800e-003 | 4.9500e-003 | 271.7115 |
| High Turnover (Sit Down Restaurant) | 12.3356 | 0.1330 | 1.2094 | 1.0159 | 7.2600e-003 | | 0.0919 | 0.0919 | | 0.0919 | 0.0919 | | 1,451.2496 | 1,451.2496 | 0.0278 | 0.0266 | 1,459.8737 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Manufacturing | 347.705 | 3.7498 | 34.0888 | 28.6346 | 0.2045 | | 2.5908 | 2.5908 | | 2.5908 | 2.5908 | | 40,906.5113 | 40,906.5113 | 0.7840 | 0.7500 | 41,149.5982 |
| Regional Shopping Center | 0.148636 | 1.6000e-003 | 0.0146 | 0.0122 | 9.0000e-005 | | 1.1100e-003 | 1.1100e-003 | | 1.1100e-003 | 1.1100e-003 | | 17.4865 | 17.4865 | 3.4000e-004 | 3.2000e-004 | 17.5905 |
| Unrefrigerated Warehouse-No Rail | 61.1675 | 0.6597 | 5.9968 | 5.0373 | 0.0360 | | 0.4558 | 0.4558 | | 0.4558 | 0.4558 | | 7,196.1748 | 7,196.1748 | 0.1379 | 0.1319 | 7,238.9381 |
| **Total** | | **8.9627** | **81.4793** | **68.4426** | **0.4889** | | **6.1924** | **6.1924** | | **6.1924** | **6.1924** | | **97,775.1433** | **97,775.1433** | **1.8740** | **1.7925** | **98,356.1720** |

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

Use Low VOC Cleaning Supplies

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 544.6971 | 0.0131 | 1.5216 | 1.0000e-004 | | 3.9500e-003 | 3.9500e-003 | | 3.9500e-003 | 3.9500e-003 | | 3.0523 | 3.0523 | 6.1800e-003 | | 3.2068 |
| Unmitigated | 619.0131 | 0.0236 | 2.6253 | 2.0000e-004 | | 9.3100e-003 | 9.3100e-003 | | 9.3100e-003 | 9.3100e-003 | | 5.6635 | 5.6635 | 0.0146 | | 6.0282 |

## 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 | 65.6446 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 553.1282 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.2402 | 0.0236 | 2.6253 | 2.0000e-004 | | 9.3100e-003 | 9.3100e-003 | | 9.3100e-003 | 9.3100e-003 | | 5.6635 | 5.6635 | 0.0146 | | 6.0282 |
| **Total** | **619.0131** | **0.0236** | **2.6253** | **2.0000e-004** | | **9.3100e-003** | **9.3100e-003** | | **9.3100e-003** | **9.3100e-003** | | **5.6635** | **5.6635** | **0.0146** | | **6.0282** |

**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 | 32.8223 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 511.7728 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.1020 | 0.0131 | 1.5216 | 1.0000e-004 | | 3.9500e-003 | 3.9500e-003 | | 3.9500e-003 | 3.9500e-003 | | 3.0523 | 3.0523 | 6.1800e-003 | | 3.2068 |
| **Total** | **544.6971** | **0.0131** | **1.5216** | **1.0000e-004** | | **3.9500e-003** | **3.9500e-003** | | **3.9500e-003** | **3.9500e-003** | | **3.0523** | **3.0523** | **6.1800e-003** | | **3.2068** |

# 7.0 Water Detail

## 7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

## 11.0 Vegetation

# SCLA Specific Plan EIR - Mitigated Operational

**San Bernardino-Mojave Desert County, Winter**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Office Building | 345.00 | 1000sqft | 799.20 | 345,000.00 | 0 |
| General Heavy Industry | 2,750.00 | 1000sqft | 799.20 | 2,750,000.00 | 0 |
| General Light Industry | 2,525.08 | 1000sqft | 799.20 | 2,525,080.00 | 0 |
| Manufacturing | 4,551.77 | 1000sqft | 799.20 | 4,551,770.00 | 0 |
| Unrefrigerated Warehouse-No Rail | 15,612.68 | 1000sqft | 797.76 | 15,612,680.00 | 0 |
| Fast Food Restaurant w/o Drive Thru | 6.50 | 1000sqft | 0.15 | 6,500.00 | 0 |
| High Turnover (Sit Down Restaurant) | 18.00 | 1000sqft | 0.41 | 18,000.00 | 0 |
| Convenience Market With Gas Pumps | 36.00 | Pump | 0.12 | 5,082.30 | 0 |
| Regional Shopping Center | 33.00 | 1000sqft | 0.76 | 33,000.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.6 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 10 | | | **Operational Year** | 2050 |
| **Utility Company** | Statewide Average | | | | |
| **CO2 Intensity (lb/MWhr)** | 0 | **CH4 Intensity (lb/MWhr)** | 0 | **N2O Intensity (lb/MWhr)** | 0 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - Statewide Average with 100% reduction due to goals & regulation in SB 100 (2045 - 100% renewable energy).

Land Use - Based off the Land Use Intensities in the Michael Baker International, Southern California Logistics Airport Specific Plan Traffic Impact Analysis, April 23, 2020, and information from the Applicant.

Construction Phase - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Off-road Equipment - Operational Run Only.

Grading - Operational Run Only.

Architectural Coating - MDAQMD Rule 1113

Vehicle Trips - Per the traffic study the project would have 71,971 ADT.

Vehicle Emission Factors - EMFAC2017 Model Run for San Bernardino County (2050)

Vehicle Emission Factors - EMFAC2017 Model Run for San Bernardino County (2050)

Vehicle Emission Factors - EMFAC2017 Model Run for San Bernardino County (2050)

Area Coating - MDAQMD Rule 1113

Energy Use -

Mobile Land Use Mitigation -

Area Mitigation - MDAQMD Rule 1113

Energy Mitigation - 2019 Title 24 Requirements are 30% more efficient than model 2016 Title 24 standards.

Water Mitigation - 2019 Title 24 & CalGreen.

Waste Mitigation - AB 341 post 2020 requirement.

Fleet Mix - According to the TIA and communication with the traffic engineer, only the manufacturing, warehousing, and light industrial uses would have truck trips, thus 100% LDA (passenger cars) was assumed.

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 100.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 100.00 |
| tblAreaCoating | Area_EF_Nonresidential_Exterior | 250 | 100 |
| tblAreaCoating | Area_EF_Nonresidential_Interior | 250 | 100 |

| | | | |
|---|---|---|---|
| tblAreaCoating | Area_EF_Parking | 250 | 100 |
| tblAreaCoating | Area_EF_Residential_Exterior | 250 | 100 |
| tblAreaCoating | Area_EF_Residential_Interior | 250 | 100 |
| tblAreaMitigation | UseLowVOCPaintNonresidentialExteriorValue | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintNonresidentialInteriorValue | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintParkingCheck | False | True |
| tblAreaMitigation | UseLowVOCPaintParkingValue | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintResidentialExteriorValue | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintResidentialInteriorValue | 100 | 50 |
| tblConstructionPhase | NumDays | 11,000.00 | 0.00 |
| tblConstructionPhase | NumDays | 155,000.00 | 0.00 |
| tblConstructionPhase | NumDays | 10,000.00 | 0.00 |
| tblConstructionPhase | NumDays | 15,500.00 | 0.00 |
| tblConstructionPhase | NumDays | 11,000.00 | 0.00 |
| tblConstructionPhase | NumDays | 6,000.00 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.07 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.07 |
| tblFleetMix | HHD | 0.07 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.07 |
| tblFleetMix | LDA | 0.57 | 1.00 |
| tblFleetMix | LDA | 0.57 | 1.00 |
| tblFleetMix | LDA | 0.57 | 1.00 |
| tblFleetMix | LDA | 0.57 | 0.57 |
| tblFleetMix | LDA | 0.57 | 1.00 |
| tblFleetMix | LDA | 0.57 | 1.00 |

| | | | |
|---|---|---|---|
| tblFleetMix | LDA | 0.57 | 0.57 |
| tblFleetMix | LDA | 0.57 | 1.00 |
| tblFleetMix | LDA | 0.57 | 0.57 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.03 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.03 |
| tblFleetMix | LDT1 | 0.03 | 0.00 |
| tblFleetMix | LDT1 | 0.03 | 0.03 |
| tblFleetMix | LDT2 | 0.18 | 0.00 |
| tblFleetMix | LDT2 | 0.18 | 0.00 |
| tblFleetMix | LDT2 | 0.18 | 0.00 |
| tblFleetMix | LDT2 | 0.18 | 0.19 |
| tblFleetMix | LDT2 | 0.18 | 0.00 |
| tblFleetMix | LDT2 | 0.18 | 0.00 |
| tblFleetMix | LDT2 | 0.18 | 0.19 |
| tblFleetMix | LDT2 | 0.18 | 0.00 |
| tblFleetMix | LDT2 | 0.18 | 0.19 |
| tblFleetMix | LHD1 | 8.5950e-003 | 0.00 |
| tblFleetMix | LHD1 | 8.5950e-003 | 0.00 |
| tblFleetMix | LHD1 | 8.5950e-003 | 0.00 |
| tblFleetMix | LHD1 | 8.5950e-003 | 8.7560e-003 |
| tblFleetMix | LHD1 | 8.5950e-003 | 0.00 |
| tblFleetMix | LHD1 | 8.5950e-003 | 0.00 |
| tblFleetMix | LHD1 | 8.5950e-003 | 8.7560e-003 |
| tblFleetMix | LHD1 | 8.5950e-003 | 0.00 |
| tblFleetMix | LHD1 | 8.5950e-003 | 8.7560e-003 |

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|---|---|---|---|
| tblFleetMix | LHD2 | 4.0480e-003 | 0.00 |
| tblFleetMix | LHD2 | 4.0480e-003 | 0.00 |
| tblFleetMix | LHD2 | 4.0480e-003 | 0.00 |
| tblFleetMix | LHD2 | 4.0480e-003 | 4.0540e-003 |
| tblFleetMix | LHD2 | 4.0480e-003 | 0.00 |
| tblFleetMix | LHD2 | 4.0480e-003 | 0.00 |
| tblFleetMix | LHD2 | 4.0480e-003 | 4.0540e-003 |
| tblFleetMix | LHD2 | 4.0480e-003 | 0.00 |
| tblFleetMix | LHD2 | 4.0480e-003 | 4.0540e-003 |
| tblFleetMix | MCY | 5.2680e-003 | 0.00 |
| tblFleetMix | MCY | 5.2680e-003 | 0.00 |
| tblFleetMix | MCY | 5.2680e-003 | 0.00 |
| tblFleetMix | MCY | 5.2680e-003 | 5.2780e-003 |
| tblFleetMix | MCY | 5.2680e-003 | 0.00 |
| tblFleetMix | MCY | 5.2680e-003 | 0.00 |
| tblFleetMix | MCY | 5.2680e-003 | 5.2780e-003 |
| tblFleetMix | MCY | 5.2680e-003 | 0.00 |
| tblFleetMix | MCY | 5.2680e-003 | 5.2780e-003 |
| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.10 |
| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.10 |
| tblFleetMix | MDV | 0.10 | 0.00 |
| tblFleetMix | MDV | 0.10 | 0.10 |
| tblFleetMix | MH | 5.0700e-004 | 0.00 |
| tblFleetMix | MH | 5.0700e-004 | 0.00 |
| tblFleetMix | MH | 5.0700e-004 | 0.00 |

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|---|---|---|---|
| tblFleetMix | MH | 5.0700e-004 | 5.1200e-004 |
| tblFleetMix | MH | 5.0700e-004 | 0.00 |
| tblFleetMix | MH | 5.0700e-004 | 0.00 |
| tblFleetMix | MH | 5.0700e-004 | 5.1200e-004 |
| tblFleetMix | MH | 5.0700e-004 | 0.00 |
| tblFleetMix | MH | 5.0700e-004 | 5.1200e-004 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.02 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.02 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.02 |
| tblFleetMix | OBUS | 1.3930e-003 | 0.00 |
| tblFleetMix | OBUS | 1.3930e-003 | 0.00 |
| tblFleetMix | OBUS | 1.3930e-003 | 0.00 |
| tblFleetMix | OBUS | 1.3930e-003 | 1.3890e-003 |
| tblFleetMix | OBUS | 1.3930e-003 | 0.00 |
| tblFleetMix | OBUS | 1.3930e-003 | 0.00 |
| tblFleetMix | OBUS | 1.3930e-003 | 1.3890e-003 |
| tblFleetMix | OBUS | 1.3930e-003 | 0.00 |
| tblFleetMix | OBUS | 1.3930e-003 | 1.3890e-003 |
| tblFleetMix | SBUS | 7.0100e-004 | 0.00 |
| tblFleetMix | SBUS | 7.0100e-004 | 0.00 |
| tblFleetMix | SBUS | 7.0100e-004 | 0.00 |
| tblFleetMix | SBUS | 7.0100e-004 | 7.1900e-004 |
| tblFleetMix | SBUS | 7.0100e-004 | 0.00 |
| tblFleetMix | SBUS | 7.0100e-004 | 0.00 |

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|---|---|---|---|
| tblFleetMix | SBUS | 7.0100e-004 | 7.1900e-004 |
| tblFleetMix | SBUS | 7.0100e-004 | 0.00 |
| tblFleetMix | SBUS | 7.0100e-004 | 7.1900e-004 |
| tblFleetMix | UBUS | 1.2670e-003 | 0.00 |
| tblFleetMix | UBUS | 1.2670e-003 | 0.00 |
| tblFleetMix | UBUS | 1.2670e-003 | 0.00 |
| tblFleetMix | UBUS | 1.2670e-003 | 1.2680e-003 |
| tblFleetMix | UBUS | 1.2670e-003 | 0.00 |
| tblFleetMix | UBUS | 1.2670e-003 | 0.00 |
| tblFleetMix | UBUS | 1.2670e-003 | 1.2680e-003 |
| tblFleetMix | UBUS | 1.2670e-003 | 0.00 |
| tblFleetMix | UBUS | 1.2670e-003 | 1.2680e-003 |
| tblLandUse | LandUseSquareFeet | 15,612,700.00 | 15,612,680.00 |
| tblLandUse | LotAcreage | 7.92 | 799.20 |
| tblLandUse | LotAcreage | 63.13 | 799.20 |
| tblLandUse | LotAcreage | 57.97 | 799.20 |
| tblLandUse | LotAcreage | 104.49 | 799.20 |
| tblLandUse | LotAcreage | 358.42 | 797.76 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |

| | | | |
|---|---|---|---|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 4.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblProjectCharacteristics | CH4IntensityFactor | 0.029 | 0 |
| tblProjectCharacteristics | CO2IntensityFactor | 1001.57 | 0 |
| tblProjectCharacteristics | N2OIntensityFactor | 0.006 | 0 |
| tblVehicleEF | HHD | 0.83 | 0.03 |
| tblVehicleEF | HHD | 0.03 | 0.03 |
| tblVehicleEF | HHD | 0.05 | 0.00 |
| tblVehicleEF | HHD | 2.11 | 8.88 |
| tblVehicleEF | HHD | 0.55 | 0.30 |
| tblVehicleEF | HHD | 1.64 | 2.2740e-003 |
| tblVehicleEF | HHD | 6,274.34 | 1,131.00 |
| tblVehicleEF | HHD | 1,396.15 | 957.24 |
| tblVehicleEF | HHD | 4.91 | 0.02 |
| tblVehicleEF | HHD | 17.41 | 7.10 |
| tblVehicleEF | HHD | 1.08 | 1.93 |
| tblVehicleEF | HHD | 20.19 | 2.35 |
| tblVehicleEF | HHD | 1.7080e-003 | 2.5610e-003 |
| tblVehicleEF | HHD | 0.06 | 0.06 |
| tblVehicleEF | HHD | 0.04 | 0.04 |
| tblVehicleEF | HHD | 4.8890e-003 | 0.02 |
| tblVehicleEF | HHD | 6.1000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.6340e-003 | 2.4500e-003 |
| tblVehicleEF | HHD | 0.03 | 0.03 |
| tblVehicleEF | HHD | 8.8770e-003 | 8.9080e-003 |

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|---|---|---|---|
| tblVehicleEF | HHD | 4.6770e-003 | 0.02 |
| tblVehicleEF | HHD | 5.6000e-005 | 0.00 |
| tblVehicleEF | HHD | 6.2000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 2.0270e-003 | 3.0000e-005 |
| tblVehicleEF | HHD | 0.56 | 0.60 |
| tblVehicleEF | HHD | 3.9000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.06 | 0.02 |
| tblVehicleEF | HHD | 1.3800e-004 | 1.4700e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | HHD | 0.06 | 0.01 |
| tblVehicleEF | HHD | 0.01 | 8.8470e-003 |
| tblVehicleEF | HHD | 7.6000e-005 | 0.00 |
| tblVehicleEF | HHD | 6.2000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 2.0270e-003 | 3.0000e-005 |
| tblVehicleEF | HHD | 0.65 | 0.68 |
| tblVehicleEF | HHD | 3.9000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.10 | 0.05 |
| tblVehicleEF | HHD | 1.3800e-004 | 1.4700e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | HHD | 0.78 | 0.03 |
| tblVehicleEF | HHD | 0.03 | 0.03 |
| tblVehicleEF | HHD | 0.05 | 0.00 |
| tblVehicleEF | HHD | 1.53 | 8.76 |
| tblVehicleEF | HHD | 0.55 | 0.30 |
| tblVehicleEF | HHD | 1.53 | 2.1260e-003 |
| tblVehicleEF | HHD | 6,647.11 | 1,116.18 |
| tblVehicleEF | HHD | 1,396.15 | 957.25 |
| tblVehicleEF | HHD | 4.91 | 0.02 |
| tblVehicleEF | HHD | 17.97 | 6.75 |
| tblVehicleEF | HHD | 1.02 | 1.82 |

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|---|---|---|---|
| tblVehicleEF | HHD | 20.19 | 2.35 |
| tblVehicleEF | HHD | 1.4400e-003 | 2.2760e-003 |
| tblVehicleEF | HHD | 0.06 | 0.06 |
| tblVehicleEF | HHD | 0.04 | 0.04 |
| tblVehicleEF | HHD | 4.8890e-003 | 0.02 |
| tblVehicleEF | HHD | 6.1000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.3780e-003 | 2.1770e-003 |
| tblVehicleEF | HHD | 0.03 | 0.03 |
| tblVehicleEF | HHD | 8.8770e-003 | 8.9080e-003 |
| tblVehicleEF | HHD | 4.6770e-003 | 0.02 |
| tblVehicleEF | HHD | 5.6000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.1800e-004 | 2.0000e-006 |
| tblVehicleEF | HHD | 2.2440e-003 | 3.3000e-005 |
| tblVehicleEF | HHD | 0.53 | 0.63 |
| tblVehicleEF | HHD | 8.1000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.06 | 0.02 |
| tblVehicleEF | HHD | 1.3900e-004 | 1.4700e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | HHD | 0.06 | 0.01 |
| tblVehicleEF | HHD | 0.01 | 8.8470e-003 |
| tblVehicleEF | HHD | 7.4000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.1800e-004 | 2.0000e-006 |
| tblVehicleEF | HHD | 2.2440e-003 | 3.3000e-005 |
| tblVehicleEF | HHD | 0.61 | 0.72 |
| tblVehicleEF | HHD | 8.1000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.10 | 0.05 |
| tblVehicleEF | HHD | 1.3900e-004 | 1.4700e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | HHD | 0.89 | 0.03 |
| tblVehicleEF | HHD | 0.03 | 0.03 |

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|---|---|---|---|
| tblVehicleEF | HHD | 0.05 | 0.00 |
| tblVehicleEF | HHD | 2.91 | 9.03 |
| tblVehicleEF | HHD | 0.55 | 0.30 |
| tblVehicleEF | HHD | 1.61 | 2.2370e-003 |
| tblVehicleEF | HHD | 5,759.57 | 1,151.45 |
| tblVehicleEF | HHD | 1,396.15 | 957.24 |
| tblVehicleEF | HHD | 4.91 | 0.02 |
| tblVehicleEF | HHD | 16.63 | 7.59 |
| tblVehicleEF | HHD | 1.07 | 1.90 |
| tblVehicleEF | HHD | 20.19 | 2.35 |
| tblVehicleEF | HHD | 2.0790e-003 | 2.9560e-003 |
| tblVehicleEF | HHD | 0.06 | 0.06 |
| tblVehicleEF | HHD | 0.04 | 0.04 |
| tblVehicleEF | HHD | 4.8890e-003 | 0.02 |
| tblVehicleEF | HHD | 6.1000e-005 | 0.00 |
| tblVehicleEF | HHD | 1.9890e-003 | 2.8280e-003 |
| tblVehicleEF | HHD | 0.03 | 0.03 |
| tblVehicleEF | HHD | 8.8770e-003 | 8.9080e-003 |
| tblVehicleEF | HHD | 4.6770e-003 | 0.02 |
| tblVehicleEF | HHD | 5.6000e-005 | 0.00 |
| tblVehicleEF | HHD | 5.7000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 2.1340e-003 | 3.1000e-005 |
| tblVehicleEF | HHD | 0.61 | 0.55 |
| tblVehicleEF | HHD | 3.7000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.06 | 0.02 |
| tblVehicleEF | HHD | 1.5100e-004 | 1.6100e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | HHD | 0.05 | 0.01 |
| tblVehicleEF | HHD | 0.01 | 8.8470e-003 |
| tblVehicleEF | HHD | 7.5000e-005 | 0.00 |

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|---|---|---|---|
| tblVehicleEF | HHD | 5.7000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 2.1340e-003 | 3.1000e-005 |
| tblVehicleEF | HHD | 0.70 | 0.63 |
| tblVehicleEF | HHD | 3.7000e-005 | 1.0000e-006 |
| tblVehicleEF | HHD | 0.10 | 0.05 |
| tblVehicleEF | HHD | 1.5100e-004 | 1.6100e-004 |
| tblVehicleEF | HHD | 0.03 | 0.00 |
| tblVehicleEF | LDA | 1.2210e-003 | 5.8400e-004 |
| tblVehicleEF | LDA | 4.7700e-004 | 0.02 |
| tblVehicleEF | LDA | 0.24 | 0.36 |
| tblVehicleEF | LDA | 0.30 | 1.26 |
| tblVehicleEF | LDA | 162.22 | 182.70 |
| tblVehicleEF | LDA | 34.63 | 35.74 |
| tblVehicleEF | LDA | 0.02 | 0.02 |
| tblVehicleEF | LDA | 0.01 | 0.11 |
| tblVehicleEF | LDA | 5.5000e-004 | 4.7100e-004 |
| tblVehicleEF | LDA | 7.9200e-004 | 6.0900e-004 |
| tblVehicleEF | LDA | 5.0600e-004 | 4.3300e-004 |
| tblVehicleEF | LDA | 7.2800e-004 | 5.6000e-004 |
| tblVehicleEF | LDA | 0.01 | 0.02 |
| tblVehicleEF | LDA | 0.03 | 0.03 |
| tblVehicleEF | LDA | 9.2080e-003 | 0.01 |
| tblVehicleEF | LDA | 3.0650e-003 | 1.6070e-003 |
| tblVehicleEF | LDA | 0.02 | 0.14 |
| tblVehicleEF | LDA | 6.4280e-003 | 0.06 |
| tblVehicleEF | LDA | 1.6220e-003 | 1.8070e-003 |
| tblVehicleEF | LDA | 3.5000e-004 | 3.5400e-004 |
| tblVehicleEF | LDA | 0.01 | 0.02 |
| tblVehicleEF | LDA | 0.03 | 0.03 |
| tblVehicleEF | LDA | 9.2080e-003 | 0.01 |

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|---|---|---|---|
| tblVehicleEF | LDA | 4.4570e-003 | 2.3290e-003 |
| tblVehicleEF | LDA | 0.02 | 0.14 |
| tblVehicleEF | LDA | 7.0380e-003 | 0.06 |
| tblVehicleEF | LDA | 1.3920e-003 | 6.7400e-004 |
| tblVehicleEF | LDA | 3.9800e-004 | 0.01 |
| tblVehicleEF | LDA | 0.30 | 0.45 |
| tblVehicleEF | LDA | 0.25 | 1.07 |
| tblVehicleEF | LDA | 177.52 | 199.49 |
| tblVehicleEF | LDA | 34.63 | 35.40 |
| tblVehicleEF | LDA | 0.02 | 0.01 |
| tblVehicleEF | LDA | 9.5520e-003 | 0.10 |
| tblVehicleEF | LDA | 5.5000e-004 | 4.7100e-004 |
| tblVehicleEF | LDA | 7.9200e-004 | 6.0900e-004 |
| tblVehicleEF | LDA | 5.0600e-004 | 4.3300e-004 |
| tblVehicleEF | LDA | 7.2800e-004 | 5.6000e-004 |
| tblVehicleEF | LDA | 0.02 | 0.03 |
| tblVehicleEF | LDA | 0.03 | 0.04 |
| tblVehicleEF | LDA | 0.02 | 0.03 |
| tblVehicleEF | LDA | 3.4880e-003 | 1.8230e-003 |
| tblVehicleEF | LDA | 0.02 | 0.14 |
| tblVehicleEF | LDA | 5.3660e-003 | 0.05 |
| tblVehicleEF | LDA | 1.7760e-003 | 1.9730e-003 |
| tblVehicleEF | LDA | 0.02 | 0.03 |
| tblVehicleEF | LDA | 0.03 | 0.04 |
| tblVehicleEF | LDA | 0.02 | 0.03 |
| tblVehicleEF | LDA | 5.0740e-003 | 2.6450e-003 |
| tblVehicleEF | LDA | 0.02 | 0.14 |
| tblVehicleEF | LDA | 5.8750e-003 | 0.05 |
| tblVehicleEF | LDA | 1.1890e-003 | 5.7000e-004 |
| tblVehicleEF | LDA | 4.7500e-004 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | LDA | 0.23 | 0.34 |
| tblVehicleEF | LDA | 0.29 | 1.24 |
| tblVehicleEF | LDA | 158.60 | 178.76 |
| tblVehicleEF | LDA | 34.63 | 35.71 |
| tblVehicleEF | LDA | 0.02 | 0.02 |
| tblVehicleEF | LDA | 0.01 | 0.11 |
| tblVehicleEF | LDA | 5.5000e-004 | 4.7100e-004 |
| tblVehicleEF | LDA | 7.9200e-004 | 6.0900e-004 |
| tblVehicleEF | LDA | 5.0600e-004 | 4.3300e-004 |
| tblVehicleEF | LDA | 7.2800e-004 | 5.6000e-004 |
| tblVehicleEF | LDA | 0.01 | 0.02 |
| tblVehicleEF | LDA | 0.03 | 0.03 |
| tblVehicleEF | LDA | 8.5160e-003 | 0.01 |
| tblVehicleEF | LDA | 2.9850e-003 | 1.5670e-003 |
| tblVehicleEF | LDA | 0.03 | 0.16 |
| tblVehicleEF | LDA | 6.4050e-003 | 0.06 |
| tblVehicleEF | LDA | 1.5860e-003 | 1.7680e-003 |
| tblVehicleEF | LDA | 3.5000e-004 | 3.5300e-004 |
| tblVehicleEF | LDA | 0.01 | 0.02 |
| tblVehicleEF | LDA | 0.03 | 0.03 |
| tblVehicleEF | LDA | 8.5160e-003 | 0.01 |
| tblVehicleEF | LDA | 4.3410e-003 | 2.2700e-003 |
| tblVehicleEF | LDA | 0.03 | 0.16 |
| tblVehicleEF | LDA | 7.0130e-003 | 0.06 |
| tblVehicleEF | LDT1 | 1.6300e-003 | 6.2400e-004 |
| tblVehicleEF | LDT1 | 6.5800e-004 | 0.02 |
| tblVehicleEF | LDT1 | 0.31 | 0.38 |
| tblVehicleEF | LDT1 | 0.38 | 1.33 |
| tblVehicleEF | LDT1 | 204.30 | 214.32 |
| tblVehicleEF | LDT1 | 44.26 | 42.86 |

| | | | |
|---|---|---|---|
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 0.01 | 0.12 |
| tblVehicleEF | LDT1 | 6.7600e-004 | 5.0100e-004 |
| tblVehicleEF | LDT1 | 9.9100e-004 | 6.6900e-004 |
| tblVehicleEF | LDT1 | 6.2200e-004 | 4.6000e-004 |
| tblVehicleEF | LDT1 | 9.1100e-004 | 6.1500e-004 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 0.04 | 0.04 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 4.0420e-003 | 1.7040e-003 |
| tblVehicleEF | LDT1 | 0.03 | 0.17 |
| tblVehicleEF | LDT1 | 8.8770e-003 | 0.06 |
| tblVehicleEF | LDT1 | 2.0440e-003 | 2.1210e-003 |
| tblVehicleEF | LDT1 | 4.4800e-004 | 4.2400e-004 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 0.04 | 0.04 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 5.8960e-003 | 2.4850e-003 |
| tblVehicleEF | LDT1 | 0.03 | 0.17 |
| tblVehicleEF | LDT1 | 9.7190e-003 | 0.07 |
| tblVehicleEF | LDT1 | 1.8530e-003 | 7.1900e-004 |
| tblVehicleEF | LDT1 | 5.5000e-004 | 0.02 |
| tblVehicleEF | LDT1 | 0.38 | 0.46 |
| tblVehicleEF | LDT1 | 0.31 | 1.12 |
| tblVehicleEF | LDT1 | 223.10 | 231.16 |
| tblVehicleEF | LDT1 | 44.26 | 42.50 |
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 0.01 | 0.11 |
| tblVehicleEF | LDT1 | 6.7600e-004 | 5.0100e-004 |
| tblVehicleEF | LDT1 | 9.9100e-004 | 6.6900e-004 |

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|---|---|---|---|
| tblVehicleEF | LDT1 | 6.2200e-004 | 4.6000e-004 |
| tblVehicleEF | LDT1 | 9.1100e-004 | 6.1500e-004 |
| tblVehicleEF | LDT1 | 0.04 | 0.06 |
| tblVehicleEF | LDT1 | 0.05 | 0.05 |
| tblVehicleEF | LDT1 | 0.04 | 0.05 |
| tblVehicleEF | LDT1 | 4.5930e-003 | 1.9360e-003 |
| tblVehicleEF | LDT1 | 0.03 | 0.17 |
| tblVehicleEF | LDT1 | 7.4160e-003 | 0.05 |
| tblVehicleEF | LDT1 | 2.2330e-003 | 2.2880e-003 |
| tblVehicleEF | LDT1 | 4.4700e-004 | 4.2100e-004 |
| tblVehicleEF | LDT1 | 0.04 | 0.06 |
| tblVehicleEF | LDT1 | 0.05 | 0.05 |
| tblVehicleEF | LDT1 | 0.04 | 0.05 |
| tblVehicleEF | LDT1 | 6.7000e-003 | 2.8240e-003 |
| tblVehicleEF | LDT1 | 0.03 | 0.17 |
| tblVehicleEF | LDT1 | 8.1200e-003 | 0.06 |
| tblVehicleEF | LDT1 | 1.5890e-003 | 6.0900e-004 |
| tblVehicleEF | LDT1 | 6.5600e-004 | 0.02 |
| tblVehicleEF | LDT1 | 0.29 | 0.36 |
| tblVehicleEF | LDT1 | 0.37 | 1.31 |
| tblVehicleEF | LDT1 | 199.87 | 210.33 |
| tblVehicleEF | LDT1 | 44.26 | 42.82 |
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 0.01 | 0.12 |
| tblVehicleEF | LDT1 | 6.7600e-004 | 5.0100e-004 |
| tblVehicleEF | LDT1 | 9.9100e-004 | 6.6900e-004 |
| tblVehicleEF | LDT1 | 6.2200e-004 | 4.6000e-004 |
| tblVehicleEF | LDT1 | 9.1100e-004 | 6.1500e-004 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 0.04 | 0.05 |

| | | | |
|---|---|---|---|
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 3.9390e-003 | 1.6600e-003 |
| tblVehicleEF | LDT1 | 0.04 | 0.20 |
| tblVehicleEF | LDT1 | 8.8500e-003 | 0.06 |
| tblVehicleEF | LDT1 | 2.0000e-003 | 2.0810e-003 |
| tblVehicleEF | LDT1 | 4.4800e-004 | 4.2400e-004 |
| tblVehicleEF | LDT1 | 0.02 | 0.03 |
| tblVehicleEF | LDT1 | 0.04 | 0.05 |
| tblVehicleEF | LDT1 | 0.02 | 0.02 |
| tblVehicleEF | LDT1 | 5.7450e-003 | 2.4220e-003 |
| tblVehicleEF | LDT1 | 0.04 | 0.20 |
| tblVehicleEF | LDT1 | 9.6900e-003 | 0.07 |
| tblVehicleEF | LDT2 | 1.8520e-003 | 8.0800e-004 |
| tblVehicleEF | LDT2 | 9.4600e-004 | 0.02 |
| tblVehicleEF | LDT2 | 0.38 | 0.43 |
| tblVehicleEF | LDT2 | 0.46 | 1.70 |
| tblVehicleEF | LDT2 | 237.56 | 213.49 |
| tblVehicleEF | LDT2 | 51.25 | 42.77 |
| tblVehicleEF | LDT2 | 0.03 | 0.02 |
| tblVehicleEF | LDT2 | 0.02 | 0.11 |
| tblVehicleEF | LDT2 | 6.6300e-004 | 5.2800e-004 |
| tblVehicleEF | LDT2 | 9.5100e-004 | 6.3500e-004 |
| tblVehicleEF | LDT2 | 6.1000e-004 | 4.8700e-004 |
| tblVehicleEF | LDT2 | 8.7400e-004 | 5.8400e-004 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 0.04 | 0.04 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 4.6110e-003 | 2.4080e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.16 |
| tblVehicleEF | LDT2 | 0.01 | 0.08 |

| | | | |
|---|---|---|---|
| tblVehicleEF | LDT2 | 2.3770e-003 | 2.1120e-003 |
| tblVehicleEF | LDT2 | 5.1900e-004 | 4.2300e-004 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 0.04 | 0.04 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 6.7180e-003 | 3.4670e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.16 |
| tblVehicleEF | LDT2 | 0.01 | 0.09 |
| tblVehicleEF | LDT2 | 2.1050e-003 | 9.3000e-004 |
| tblVehicleEF | LDT2 | 8.5200e-004 | 0.02 |
| tblVehicleEF | LDT2 | 0.46 | 0.53 |
| tblVehicleEF | LDT2 | 0.42 | 1.43 |
| tblVehicleEF | LDT2 | 259.40 | 228.68 |
| tblVehicleEF | LDT2 | 51.25 | 42.29 |
| tblVehicleEF | LDT2 | 0.02 | 0.02 |
| tblVehicleEF | LDT2 | 0.02 | 0.10 |
| tblVehicleEF | LDT2 | 6.6300e-004 | 5.2800e-004 |
| tblVehicleEF | LDT2 | 9.5100e-004 | 6.3500e-004 |
| tblVehicleEF | LDT2 | 6.1000e-004 | 4.8700e-004 |
| tblVehicleEF | LDT2 | 8.7400e-004 | 5.8400e-004 |
| tblVehicleEF | LDT2 | 0.04 | 0.07 |
| tblVehicleEF | LDT2 | 0.04 | 0.05 |
| tblVehicleEF | LDT2 | 0.04 | 0.06 |
| tblVehicleEF | LDT2 | 5.2360e-003 | 2.7170e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.16 |
| tblVehicleEF | LDT2 | 0.01 | 0.07 |
| tblVehicleEF | LDT2 | 2.5970e-003 | 2.2620e-003 |
| tblVehicleEF | LDT2 | 5.1800e-004 | 4.1800e-004 |
| tblVehicleEF | LDT2 | 0.04 | 0.07 |
| tblVehicleEF | LDT2 | 0.04 | 0.05 |

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|---|---|---|---|
| tblVehicleEF | LDT2 | 0.04 | 0.06 |
| tblVehicleEF | LDT2 | 7.6310e-003 | 3.9180e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.16 |
| tblVehicleEF | LDT2 | 0.01 | 0.08 |
| tblVehicleEF | LDT2 | 1.8040e-003 | 7.8800e-004 |
| tblVehicleEF | LDT2 | 9.4400e-004 | 0.02 |
| tblVehicleEF | LDT2 | 0.36 | 0.41 |
| tblVehicleEF | LDT2 | 0.46 | 1.68 |
| tblVehicleEF | LDT2 | 232.43 | 209.90 |
| tblVehicleEF | LDT2 | 51.25 | 42.73 |
| tblVehicleEF | LDT2 | 0.02 | 0.02 |
| tblVehicleEF | LDT2 | 0.02 | 0.11 |
| tblVehicleEF | LDT2 | 6.6300e-004 | 5.2800e-004 |
| tblVehicleEF | LDT2 | 9.5100e-004 | 6.3500e-004 |
| tblVehicleEF | LDT2 | 6.1000e-004 | 4.8700e-004 |
| tblVehicleEF | LDT2 | 8.7400e-004 | 5.8400e-004 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 0.04 | 0.04 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 4.4930e-003 | 2.3500e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.19 |
| tblVehicleEF | LDT2 | 0.01 | 0.08 |
| tblVehicleEF | LDT2 | 2.3260e-003 | 2.0760e-003 |
| tblVehicleEF | LDT2 | 5.1900e-004 | 4.2300e-004 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 0.04 | 0.04 |
| tblVehicleEF | LDT2 | 0.02 | 0.03 |
| tblVehicleEF | LDT2 | 6.5470e-003 | 3.3820e-003 |
| tblVehicleEF | LDT2 | 0.03 | 0.19 |
| tblVehicleEF | LDT2 | 0.01 | 0.09 |

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|---|---|---|---|
| tblVehicleEF | LHD1 | 2.3700e-003 | 3.1740e-003 |
| tblVehicleEF | LHD1 | 1.4740e-003 | 1.2820e-003 |
| tblVehicleEF | LHD1 | 2.4440e-003 | 4.6000e-003 |
| tblVehicleEF | LHD1 | 0.12 | 0.17 |
| tblVehicleEF | LHD1 | 0.15 | 0.13 |
| tblVehicleEF | LHD1 | 0.92 | 0.71 |
| tblVehicleEF | LHD1 | 8.77 | 7.34 |
| tblVehicleEF | LHD1 | 529.63 | 507.43 |
| tblVehicleEF | LHD1 | 20.81 | 8.07 |
| tblVehicleEF | LHD1 | 0.04 | 0.03 |
| tblVehicleEF | LHD1 | 0.06 | 0.08 |
| tblVehicleEF | LHD1 | 0.23 | 0.17 |
| tblVehicleEF | LHD1 | 5.9400e-004 | 1.0370e-003 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 3.7090e-003 | 3.0240e-003 |
| tblVehicleEF | LHD1 | 4.3300e-004 | 1.7200e-004 |
| tblVehicleEF | LHD1 | 5.6800e-004 | 9.9200e-004 |
| tblVehicleEF | LHD1 | 2.6620e-003 | 2.5100e-003 |
| tblVehicleEF | LHD1 | 3.5340e-003 | 2.8720e-003 |
| tblVehicleEF | LHD1 | 3.9800e-004 | 1.5800e-004 |
| tblVehicleEF | LHD1 | 8.8800e-004 | 1.1440e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 5.6300e-004 | 7.2100e-004 |
| tblVehicleEF | LHD1 | 0.02 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.14 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 8.6000e-005 | 7.1000e-005 |
| tblVehicleEF | LHD1 | 5.1590e-003 | 4.9370e-003 |
| tblVehicleEF | LHD1 | 2.2300e-004 | 8.0000e-005 |

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|---|---|---|---|
| tblVehicleEF | LHD1 | 8.8800e-004 | 1.1440e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.02 |
| tblVehicleEF | LHD1 | 5.6300e-004 | 7.2100e-004 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.14 |
| tblVehicleEF | LHD1 | 0.04 | 0.02 |
| tblVehicleEF | LHD1 | 2.3700e-003 | 3.1830e-003 |
| tblVehicleEF | LHD1 | 1.4850e-003 | 1.2960e-003 |
| tblVehicleEF | LHD1 | 2.3260e-003 | 4.3920e-003 |
| tblVehicleEF | LHD1 | 0.12 | 0.17 |
| tblVehicleEF | LHD1 | 0.15 | 0.13 |
| tblVehicleEF | LHD1 | 0.87 | 0.67 |
| tblVehicleEF | LHD1 | 8.77 | 7.34 |
| tblVehicleEF | LHD1 | 529.63 | 507.43 |
| tblVehicleEF | LHD1 | 20.81 | 8.00 |
| tblVehicleEF | LHD1 | 0.04 | 0.03 |
| tblVehicleEF | LHD1 | 0.05 | 0.08 |
| tblVehicleEF | LHD1 | 0.22 | 0.16 |
| tblVehicleEF | LHD1 | 5.9400e-004 | 1.0370e-003 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 3.7090e-003 | 3.0240e-003 |
| tblVehicleEF | LHD1 | 4.3300e-004 | 1.7200e-004 |
| tblVehicleEF | LHD1 | 5.6800e-004 | 9.9200e-004 |
| tblVehicleEF | LHD1 | 2.6620e-003 | 2.5100e-003 |
| tblVehicleEF | LHD1 | 3.5340e-003 | 2.8720e-003 |
| tblVehicleEF | LHD1 | 3.9800e-004 | 1.5800e-004 |
| tblVehicleEF | LHD1 | 1.6870e-003 | 2.1770e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |

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|---|---|---|---|
| tblVehicleEF | LHD1 | 1.1580e-003 | 1.4920e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.14 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 8.6000e-005 | 7.1000e-005 |
| tblVehicleEF | LHD1 | 5.1590e-003 | 4.9370e-003 |
| tblVehicleEF | LHD1 | 2.2200e-004 | 7.9000e-005 |
| tblVehicleEF | LHD1 | 1.6870e-003 | 2.1770e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.02 |
| tblVehicleEF | LHD1 | 1.1580e-003 | 1.4920e-003 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.14 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 2.3700e-003 | 3.1760e-003 |
| tblVehicleEF | LHD1 | 1.4760e-003 | 1.2840e-003 |
| tblVehicleEF | LHD1 | 2.4240e-003 | 4.5650e-003 |
| tblVehicleEF | LHD1 | 0.12 | 0.17 |
| tblVehicleEF | LHD1 | 0.15 | 0.13 |
| tblVehicleEF | LHD1 | 0.91 | 0.71 |
| tblVehicleEF | LHD1 | 8.77 | 7.34 |
| tblVehicleEF | LHD1 | 529.63 | 507.43 |
| tblVehicleEF | LHD1 | 20.81 | 8.05 |
| tblVehicleEF | LHD1 | 0.04 | 0.03 |
| tblVehicleEF | LHD1 | 0.06 | 0.08 |
| tblVehicleEF | LHD1 | 0.23 | 0.16 |
| tblVehicleEF | LHD1 | 5.9400e-004 | 1.0370e-003 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 3.7090e-003 | 3.0240e-003 |
| tblVehicleEF | LHD1 | 4.3300e-004 | 1.7200e-004 |

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|---|---|---|---|
| tblVehicleEF | LHD1 | 5.6800e-004 | 9.9200e-004 |
| tblVehicleEF | LHD1 | 2.6620e-003 | 2.5100e-003 |
| tblVehicleEF | LHD1 | 3.5340e-003 | 2.8720e-003 |
| tblVehicleEF | LHD1 | 3.9800e-004 | 1.5800e-004 |
| tblVehicleEF | LHD1 | 8.1600e-004 | 1.0590e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.01 |
| tblVehicleEF | LHD1 | 5.4400e-004 | 6.9800e-004 |
| tblVehicleEF | LHD1 | 0.02 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.15 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 8.6000e-005 | 7.1000e-005 |
| tblVehicleEF | LHD1 | 5.1590e-003 | 4.9370e-003 |
| tblVehicleEF | LHD1 | 2.2300e-004 | 8.0000e-005 |
| tblVehicleEF | LHD1 | 8.1600e-004 | 1.0590e-003 |
| tblVehicleEF | LHD1 | 0.02 | 0.03 |
| tblVehicleEF | LHD1 | 0.01 | 0.02 |
| tblVehicleEF | LHD1 | 5.4400e-004 | 6.9800e-004 |
| tblVehicleEF | LHD1 | 0.03 | 0.02 |
| tblVehicleEF | LHD1 | 0.05 | 0.15 |
| tblVehicleEF | LHD1 | 0.04 | 0.02 |
| tblVehicleEF | LHD2 | 2.0550e-003 | 1.9790e-003 |
| tblVehicleEF | LHD2 | 1.8190e-003 | 2.5960e-003 |
| tblVehicleEF | LHD2 | 0.12 | 0.13 |
| tblVehicleEF | LHD2 | 0.14 | 0.15 |
| tblVehicleEF | LHD2 | 0.80 | 0.41 |
| tblVehicleEF | LHD2 | 13.27 | 11.72 |
| tblVehicleEF | LHD2 | 561.63 | 502.29 |
| tblVehicleEF | LHD2 | 20.88 | 5.25 |
| tblVehicleEF | LHD2 | 0.04 | 0.05 |

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|---|---|---|---|
| tblVehicleEF | LHD2 | 0.04 | 0.11 |
| tblVehicleEF | LHD2 | 0.17 | 0.09 |
| tblVehicleEF | LHD2 | 8.2400e-004 | 1.5310e-003 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 4.5960e-003 | 8.9230e-003 |
| tblVehicleEF | LHD2 | 3.8600e-004 | 9.9000e-005 |
| tblVehicleEF | LHD2 | 7.8800e-004 | 1.4650e-003 |
| tblVehicleEF | LHD2 | 2.7120e-003 | 2.7250e-003 |
| tblVehicleEF | LHD2 | 4.3850e-003 | 8.5250e-003 |
| tblVehicleEF | LHD2 | 3.5500e-004 | 9.1000e-005 |
| tblVehicleEF | LHD2 | 5.9400e-004 | 6.6600e-004 |
| tblVehicleEF | LHD2 | 0.01 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 3.6900e-004 | 4.2000e-004 |
| tblVehicleEF | LHD2 | 0.02 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.08 |
| tblVehicleEF | LHD2 | 0.02 | 0.01 |
| tblVehicleEF | LHD2 | 1.2900e-004 | 1.1200e-004 |
| tblVehicleEF | LHD2 | 5.4560e-003 | 4.8380e-003 |
| tblVehicleEF | LHD2 | 2.2200e-004 | 5.2000e-005 |
| tblVehicleEF | LHD2 | 5.9400e-004 | 6.6600e-004 |
| tblVehicleEF | LHD2 | 0.01 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 3.6900e-004 | 4.2000e-004 |
| tblVehicleEF | LHD2 | 0.03 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.08 |
| tblVehicleEF | LHD2 | 0.03 | 0.01 |
| tblVehicleEF | LHD2 | 2.0550e-003 | 1.9840e-003 |
| tblVehicleEF | LHD2 | 1.4530e-003 | 1.4520e-003 |
| tblVehicleEF | LHD2 | 1.8170e-003 | 2.4780e-003 |

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|---|---|---|---|
| tblVehicleEF | LHD2 | 0.12 | 0.13 |
| tblVehicleEF | LHD2 | 0.14 | 0.15 |
| tblVehicleEF | LHD2 | 0.76 | 0.38 |
| tblVehicleEF | LHD2 | 13.27 | 11.72 |
| tblVehicleEF | LHD2 | 561.63 | 502.29 |
| tblVehicleEF | LHD2 | 20.88 | 5.21 |
| tblVehicleEF | LHD2 | 0.04 | 0.05 |
| tblVehicleEF | LHD2 | 0.03 | 0.10 |
| tblVehicleEF | LHD2 | 0.17 | 0.09 |
| tblVehicleEF | LHD2 | 8.2400e-004 | 1.5310e-003 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 4.5960e-003 | 8.9230e-003 |
| tblVehicleEF | LHD2 | 3.8600e-004 | 9.9000e-005 |
| tblVehicleEF | LHD2 | 7.8800e-004 | 1.4650e-003 |
| tblVehicleEF | LHD2 | 2.7120e-003 | 2.7250e-003 |
| tblVehicleEF | LHD2 | 4.3850e-003 | 8.5250e-003 |
| tblVehicleEF | LHD2 | 3.5500e-004 | 9.1000e-005 |
| tblVehicleEF | LHD2 | 1.1370e-003 | 1.2660e-003 |
| tblVehicleEF | LHD2 | 0.02 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 7.7700e-004 | 8.6800e-004 |
| tblVehicleEF | LHD2 | 0.02 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.08 |
| tblVehicleEF | LHD2 | 0.02 | 9.9950e-003 |
| tblVehicleEF | LHD2 | 1.2900e-004 | 1.1200e-004 |
| tblVehicleEF | LHD2 | 5.4560e-003 | 4.8380e-003 |
| tblVehicleEF | LHD2 | 2.2100e-004 | 5.2000e-005 |
| tblVehicleEF | LHD2 | 1.1370e-003 | 1.2660e-003 |
| tblVehicleEF | LHD2 | 0.02 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |

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|---|---|---|---|
| tblVehicleEF | LHD2 | 7.7700e-004 | 8.6800e-004 |
| tblVehicleEF | LHD2 | 0.03 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.08 |
| tblVehicleEF | LHD2 | 0.03 | 0.01 |
| tblVehicleEF | LHD2 | 2.0550e-003 | 1.9800e-003 |
| tblVehicleEF | LHD2 | 1.8190e-003 | 2.5760e-003 |
| tblVehicleEF | LHD2 | 0.12 | 0.13 |
| tblVehicleEF | LHD2 | 0.14 | 0.15 |
| tblVehicleEF | LHD2 | 0.79 | 0.40 |
| tblVehicleEF | LHD2 | 13.27 | 11.72 |
| tblVehicleEF | LHD2 | 561.63 | 502.29 |
| tblVehicleEF | LHD2 | 20.88 | 5.24 |
| tblVehicleEF | LHD2 | 0.04 | 0.05 |
| tblVehicleEF | LHD2 | 0.04 | 0.11 |
| tblVehicleEF | LHD2 | 0.17 | 0.09 |
| tblVehicleEF | LHD2 | 8.2400e-004 | 1.5310e-003 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 4.5960e-003 | 8.9230e-003 |
| tblVehicleEF | LHD2 | 3.8600e-004 | 9.9000e-005 |
| tblVehicleEF | LHD2 | 7.8800e-004 | 1.4650e-003 |
| tblVehicleEF | LHD2 | 2.7120e-003 | 2.7250e-003 |
| tblVehicleEF | LHD2 | 4.3850e-003 | 8.5250e-003 |
| tblVehicleEF | LHD2 | 3.5500e-004 | 9.1000e-005 |
| tblVehicleEF | LHD2 | 5.6000e-004 | 6.1500e-004 |
| tblVehicleEF | LHD2 | 0.01 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 3.5700e-004 | 4.0700e-004 |
| tblVehicleEF | LHD2 | 0.02 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.09 |
| tblVehicleEF | LHD2 | 0.02 | 0.01 |

| | | | |
|---|---|---|---|
| tblVehicleEF | LHD2 | 1.2900e-004 | 1.1200e-004 |
| tblVehicleEF | LHD2 | 5.4560e-003 | 4.8380e-003 |
| tblVehicleEF | LHD2 | 2.2200e-004 | 5.2000e-005 |
| tblVehicleEF | LHD2 | 5.6000e-004 | 6.1500e-004 |
| tblVehicleEF | LHD2 | 0.01 | 0.02 |
| tblVehicleEF | LHD2 | 0.01 | 0.01 |
| tblVehicleEF | LHD2 | 3.5700e-004 | 4.0700e-004 |
| tblVehicleEF | LHD2 | 0.03 | 0.03 |
| tblVehicleEF | LHD2 | 0.03 | 0.09 |
| tblVehicleEF | LHD2 | 0.03 | 0.01 |
| tblVehicleEF | MCY | 0.45 | 0.31 |
| tblVehicleEF | MCY | 0.15 | 0.23 |
| tblVehicleEF | MCY | 17.23 | 17.23 |
| tblVehicleEF | MCY | 10.21 | 9.09 |
| tblVehicleEF | MCY | 172.59 | 209.98 |
| tblVehicleEF | MCY | 40.72 | 56.78 |
| tblVehicleEF | MCY | 1.13 | 1.13 |
| tblVehicleEF | MCY | 0.31 | 0.27 |
| tblVehicleEF | MCY | 2.2430e-003 | 2.2380e-003 |
| tblVehicleEF | MCY | 3.3690e-003 | 2.9880e-003 |
| tblVehicleEF | MCY | 2.0910e-003 | 2.0860e-003 |
| tblVehicleEF | MCY | 3.1400e-003 | 2.7850e-003 |
| tblVehicleEF | MCY | 1.42 | 1.42 |
| tblVehicleEF | MCY | 0.71 | 0.72 |
| tblVehicleEF | MCY | 0.74 | 0.74 |
| tblVehicleEF | MCY | 2.08 | 2.08 |
| tblVehicleEF | MCY | 0.34 | 1.23 |
| tblVehicleEF | MCY | 1.98 | 1.76 |
| tblVehicleEF | MCY | 2.0700e-003 | 2.0780e-003 |
| tblVehicleEF | MCY | 6.3200e-004 | 5.6200e-004 |

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|---|---|---|---|
| tblVehicleEF | MCY | 1.42 | 1.42 |
| tblVehicleEF | MCY | 0.71 | 0.72 |
| tblVehicleEF | MCY | 0.74 | 0.74 |
| tblVehicleEF | MCY | 2.61 | 2.61 |
| tblVehicleEF | MCY | 0.34 | 1.23 |
| tblVehicleEF | MCY | 2.16 | 1.92 |
| tblVehicleEF | MCY | 0.45 | 0.31 |
| tblVehicleEF | MCY | 0.13 | 0.21 |
| tblVehicleEF | MCY | 17.39 | 17.39 |
| tblVehicleEF | MCY | 9.03 | 8.01 |
| tblVehicleEF | MCY | 172.59 | 210.12 |
| tblVehicleEF | MCY | 40.72 | 54.30 |
| tblVehicleEF | MCY | 0.96 | 0.96 |
| tblVehicleEF | MCY | 0.29 | 0.25 |
| tblVehicleEF | MCY | 2.2430e-003 | 2.2380e-003 |
| tblVehicleEF | MCY | 3.3690e-003 | 2.9880e-003 |
| tblVehicleEF | MCY | 2.0910e-003 | 2.0860e-003 |
| tblVehicleEF | MCY | 3.1400e-003 | 2.7850e-003 |
| tblVehicleEF | MCY | 3.03 | 3.05 |
| tblVehicleEF | MCY | 1.12 | 1.14 |
| tblVehicleEF | MCY | 1.95 | 1.97 |
| tblVehicleEF | MCY | 2.05 | 2.05 |
| tblVehicleEF | MCY | 0.34 | 1.23 |
| tblVehicleEF | MCY | 1.74 | 1.54 |
| tblVehicleEF | MCY | 2.0710e-003 | 2.0790e-003 |
| tblVehicleEF | MCY | 6.0500e-004 | 5.3700e-004 |
| tblVehicleEF | MCY | 3.03 | 3.05 |
| tblVehicleEF | MCY | 1.12 | 1.14 |
| tblVehicleEF | MCY | 1.95 | 1.97 |
| tblVehicleEF | MCY | 2.58 | 2.57 |

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|---|---|---|---|
| tblVehicleEF | MCY | 0.34 | 1.23 |
| tblVehicleEF | MCY | 1.89 | 1.68 |
| tblVehicleEF | MCY | 0.45 | 0.31 |
| tblVehicleEF | MCY | 0.14 | 0.23 |
| tblVehicleEF | MCY | 16.57 | 16.57 |
| tblVehicleEF | MCY | 9.90 | 8.79 |
| tblVehicleEF | MCY | 172.59 | 208.84 |
| tblVehicleEF | MCY | 40.72 | 56.14 |
| tblVehicleEF | MCY | 1.09 | 1.09 |
| tblVehicleEF | MCY | 0.31 | 0.26 |
| tblVehicleEF | MCY | 2.2430e-003 | 2.2380e-003 |
| tblVehicleEF | MCY | 3.3690e-003 | 2.9880e-003 |
| tblVehicleEF | MCY | 2.0910e-003 | 2.0860e-003 |
| tblVehicleEF | MCY | 3.1400e-003 | 2.7850e-003 |
| tblVehicleEF | MCY | 1.64 | 1.65 |
| tblVehicleEF | MCY | 0.93 | 0.94 |
| tblVehicleEF | MCY | 0.65 | 0.66 |
| tblVehicleEF | MCY | 2.06 | 2.05 |
| tblVehicleEF | MCY | 0.40 | 1.45 |
| tblVehicleEF | MCY | 1.94 | 1.71 |
| tblVehicleEF | MCY | 2.0590e-003 | 2.0670e-003 |
| tblVehicleEF | MCY | 6.2600e-004 | 5.5600e-004 |
| tblVehicleEF | MCY | 1.64 | 1.65 |
| tblVehicleEF | MCY | 0.93 | 0.94 |
| tblVehicleEF | MCY | 0.65 | 0.66 |
| tblVehicleEF | MCY | 2.58 | 2.58 |
| tblVehicleEF | MCY | 0.40 | 1.45 |
| tblVehicleEF | MCY | 2.11 | 1.87 |
| tblVehicleEF | MDV | 2.0300e-003 | 8.0100e-004 |
| tblVehicleEF | MDV | 1.1120e-003 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | MDV | 0.41 | 0.42 |
| tblVehicleEF | MDV | 0.52 | 1.66 |
| tblVehicleEF | MDV | 308.49 | 257.45 |
| tblVehicleEF | MDV | 65.25 | 50.34 |
| tblVehicleEF | MDV | 0.03 | 0.02 |
| tblVehicleEF | MDV | 0.02 | 0.12 |
| tblVehicleEF | MDV | 6.8600e-004 | 5.0200e-004 |
| tblVehicleEF | MDV | 9.7200e-004 | 6.1900e-004 |
| tblVehicleEF | MDV | 6.3200e-004 | 4.6300e-004 |
| tblVehicleEF | MDV | 8.9400e-004 | 5.6900e-004 |
| tblVehicleEF | MDV | 0.05 | 0.06 |
| tblVehicleEF | MDV | 0.07 | 0.06 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 5.1430e-003 | 2.4100e-003 |
| tblVehicleEF | MDV | 0.04 | 0.16 |
| tblVehicleEF | MDV | 0.02 | 0.08 |
| tblVehicleEF | MDV | 3.0820e-003 | 2.5440e-003 |
| tblVehicleEF | MDV | 6.6000e-004 | 4.9800e-004 |
| tblVehicleEF | MDV | 0.05 | 0.06 |
| tblVehicleEF | MDV | 0.07 | 0.06 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 7.4620e-003 | 3.4640e-003 |
| tblVehicleEF | MDV | 0.04 | 0.16 |
| tblVehicleEF | MDV | 0.02 | 0.09 |
| tblVehicleEF | MDV | 2.3040e-003 | 9.2200e-004 |
| tblVehicleEF | MDV | 9.9100e-004 | 0.02 |
| tblVehicleEF | MDV | 0.50 | 0.52 |
| tblVehicleEF | MDV | 0.47 | 1.39 |
| tblVehicleEF | MDV | 335.87 | 272.21 |
| tblVehicleEF | MDV | 65.25 | 49.87 |

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|---|---|---|---|
| tblVehicleEF | MDV | 0.02 | 0.02 |
| tblVehicleEF | MDV | 0.02 | 0.11 |
| tblVehicleEF | MDV | 6.8600e-004 | 5.0200e-004 |
| tblVehicleEF | MDV | 9.7200e-004 | 6.1900e-004 |
| tblVehicleEF | MDV | 6.3200e-004 | 4.6300e-004 |
| tblVehicleEF | MDV | 8.9400e-004 | 5.6900e-004 |
| tblVehicleEF | MDV | 0.10 | 0.11 |
| tblVehicleEF | MDV | 0.08 | 0.07 |
| tblVehicleEF | MDV | 0.09 | 0.11 |
| tblVehicleEF | MDV | 5.8210e-003 | 2.7160e-003 |
| tblVehicleEF | MDV | 0.04 | 0.16 |
| tblVehicleEF | MDV | 0.01 | 0.07 |
| tblVehicleEF | MDV | 3.3570e-003 | 2.6900e-003 |
| tblVehicleEF | MDV | 6.5900e-004 | 4.9300e-004 |
| tblVehicleEF | MDV | 0.10 | 0.11 |
| tblVehicleEF | MDV | 0.08 | 0.07 |
| tblVehicleEF | MDV | 0.09 | 0.11 |
| tblVehicleEF | MDV | 8.4510e-003 | 3.9120e-003 |
| tblVehicleEF | MDV | 0.04 | 0.16 |
| tblVehicleEF | MDV | 0.01 | 0.07 |
| tblVehicleEF | MDV | 1.9790e-003 | 7.8200e-004 |
| tblVehicleEF | MDV | 1.1100e-003 | 0.02 |
| tblVehicleEF | MDV | 0.39 | 0.40 |
| tblVehicleEF | MDV | 0.52 | 1.63 |
| tblVehicleEF | MDV | 302.11 | 253.97 |
| tblVehicleEF | MDV | 65.25 | 50.29 |
| tblVehicleEF | MDV | 0.03 | 0.02 |
| tblVehicleEF | MDV | 0.02 | 0.11 |
| tblVehicleEF | MDV | 6.8600e-004 | 5.0200e-004 |
| tblVehicleEF | MDV | 9.7200e-004 | 6.1900e-004 |

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|---|---|---|---|
| tblVehicleEF | MDV | 6.3200e-004 | 4.6300e-004 |
| tblVehicleEF | MDV | 8.9400e-004 | 5.6900e-004 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 0.08 | 0.06 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 5.0170e-003 | 2.3530e-003 |
| tblVehicleEF | MDV | 0.04 | 0.19 |
| tblVehicleEF | MDV | 0.01 | 0.08 |
| tblVehicleEF | MDV | 3.0180e-003 | 2.5090e-003 |
| tblVehicleEF | MDV | 6.6000e-004 | 4.9800e-004 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 0.08 | 0.06 |
| tblVehicleEF | MDV | 0.04 | 0.05 |
| tblVehicleEF | MDV | 7.2770e-003 | 3.3810e-003 |
| tblVehicleEF | MDV | 0.04 | 0.19 |
| tblVehicleEF | MDV | 0.02 | 0.09 |
| tblVehicleEF | MH | 3.0780e-003 | 1.9990e-003 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 0.14 | 0.12 |
| tblVehicleEF | MH | 3.02 | 1.12 |
| tblVehicleEF | MH | 1,013.72 | 1,146.94 |
| tblVehicleEF | MH | 55.50 | 12.67 |
| tblVehicleEF | MH | 0.48 | 0.71 |
| tblVehicleEF | MH | 0.50 | 0.17 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 4.3110e-003 | 5.8600e-003 |
| tblVehicleEF | MH | 8.9400e-004 | 2.1300e-004 |
| tblVehicleEF | MH | 3.2190e-003 | 3.3080e-003 |
| tblVehicleEF | MH | 4.0920e-003 | 5.5770e-003 |
| tblVehicleEF | MH | 8.2200e-004 | 1.9600e-004 |

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|---|---|---|---|
| tblVehicleEF | MH | 0.37 | 0.31 |
| tblVehicleEF | MH | 0.02 | 0.01 |
| tblVehicleEF | MH | 0.18 | 0.15 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 2.7260e-003 | 0.17 |
| tblVehicleEF | MH | 0.18 | 0.06 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 6.0700e-004 | 1.2500e-004 |
| tblVehicleEF | MH | 0.37 | 0.31 |
| tblVehicleEF | MH | 0.02 | 0.01 |
| tblVehicleEF | MH | 0.18 | 0.15 |
| tblVehicleEF | MH | 0.02 | 0.02 |
| tblVehicleEF | MH | 2.7260e-003 | 0.17 |
| tblVehicleEF | MH | 0.20 | 0.07 |
| tblVehicleEF | MH | 3.1500e-003 | 2.0350e-003 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 0.14 | 0.13 |
| tblVehicleEF | MH | 2.77 | 1.03 |
| tblVehicleEF | MH | 1,013.72 | 1,146.94 |
| tblVehicleEF | MH | 55.50 | 12.51 |
| tblVehicleEF | MH | 0.44 | 0.65 |
| tblVehicleEF | MH | 0.48 | 0.17 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 4.3110e-003 | 5.8600e-003 |
| tblVehicleEF | MH | 8.9400e-004 | 2.1300e-004 |
| tblVehicleEF | MH | 3.2190e-003 | 3.3080e-003 |
| tblVehicleEF | MH | 4.0920e-003 | 5.5770e-003 |
| tblVehicleEF | MH | 8.2200e-004 | 1.9600e-004 |
| tblVehicleEF | MH | 0.70 | 0.59 |
| tblVehicleEF | MH | 0.02 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | MH | 0.37 | 0.31 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 2.7150e-003 | 0.17 |
| tblVehicleEF | MH | 0.17 | 0.06 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 6.0300e-004 | 1.2400e-004 |
| tblVehicleEF | MH | 0.70 | 0.59 |
| tblVehicleEF | MH | 0.02 | 0.02 |
| tblVehicleEF | MH | 0.37 | 0.31 |
| tblVehicleEF | MH | 0.02 | 0.02 |
| tblVehicleEF | MH | 2.7150e-003 | 0.17 |
| tblVehicleEF | MH | 0.19 | 0.06 |
| tblVehicleEF | MH | 3.0850e-003 | 2.0030e-003 |
| tblVehicleEF | MH | 0.01 | 0.02 |
| tblVehicleEF | MH | 0.14 | 0.12 |
| tblVehicleEF | MH | 3.00 | 1.12 |
| tblVehicleEF | MH | 1,013.72 | 1,146.94 |
| tblVehicleEF | MH | 55.50 | 12.66 |
| tblVehicleEF | MH | 0.47 | 0.69 |
| tblVehicleEF | MH | 0.50 | 0.17 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 4.3110e-003 | 5.8600e-003 |
| tblVehicleEF | MH | 8.9400e-004 | 2.1300e-004 |
| tblVehicleEF | MH | 3.2190e-003 | 3.3080e-003 |
| tblVehicleEF | MH | 4.0920e-003 | 5.5770e-003 |
| tblVehicleEF | MH | 8.2200e-004 | 1.9600e-004 |
| tblVehicleEF | MH | 0.35 | 0.29 |
| tblVehicleEF | MH | 0.02 | 0.01 |
| tblVehicleEF | MH | 0.17 | 0.14 |
| tblVehicleEF | MH | 0.01 | 0.02 |

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|---|---|---|---|
| tblVehicleEF | MH | 2.9270e-003 | 0.18 |
| tblVehicleEF | MH | 0.18 | 0.06 |
| tblVehicleEF | MH | 0.01 | 0.01 |
| tblVehicleEF | MH | 6.0700e-004 | 1.2500e-004 |
| tblVehicleEF | MH | 0.35 | 0.29 |
| tblVehicleEF | MH | 0.02 | 0.01 |
| tblVehicleEF | MH | 0.17 | 0.14 |
| tblVehicleEF | MH | 0.02 | 0.02 |
| tblVehicleEF | MH | 2.9270e-003 | 0.18 |
| tblVehicleEF | MH | 0.20 | 0.07 |
| tblVehicleEF | MHD | 0.02 | 2.9730e-003 |
| tblVehicleEF | MHD | 1.5750e-003 | 4.9600e-004 |
| tblVehicleEF | MHD | 0.03 | 5.8120e-003 |
| tblVehicleEF | MHD | 0.29 | 0.32 |
| tblVehicleEF | MHD | 0.16 | 0.08 |
| tblVehicleEF | MHD | 2.26 | 0.44 |
| tblVehicleEF | MHD | 153.75 | 46.82 |
| tblVehicleEF | MHD | 1,078.59 | 773.61 |
| tblVehicleEF | MHD | 47.29 | 5.46 |
| tblVehicleEF | MHD | 0.40 | 0.25 |
| tblVehicleEF | MHD | 0.53 | 0.98 |
| tblVehicleEF | MHD | 11.96 | 1.84 |
| tblVehicleEF | MHD | 3.0000e-005 | 6.3000e-005 |
| tblVehicleEF | MHD | 2.6280e-003 | 7.4750e-003 |
| tblVehicleEF | MHD | 6.9500e-004 | 8.5000e-005 |
| tblVehicleEF | MHD | 2.9000e-005 | 6.0000e-005 |
| tblVehicleEF | MHD | 2.5110e-003 | 7.1470e-003 |
| tblVehicleEF | MHD | 6.3900e-004 | 7.8000e-005 |
| tblVehicleEF | MHD | 6.7900e-004 | 2.9800e-004 |
| tblVehicleEF | MHD | 0.02 | 9.7430e-003 |

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|---|---|---|---|
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 4.2500e-004 | 1.8700e-004 |
| tblVehicleEF | MHD | 0.03 | 7.2500e-003 |
| tblVehicleEF | MHD | 8.9470e-003 | 0.05 |
| tblVehicleEF | MHD | 0.15 | 0.03 |
| tblVehicleEF | MHD | 1.4770e-003 | 4.4400e-004 |
| tblVehicleEF | MHD | 0.01 | 7.3750e-003 |
| tblVehicleEF | MHD | 5.1300e-004 | 5.4000e-005 |
| tblVehicleEF | MHD | 6.7900e-004 | 2.9800e-004 |
| tblVehicleEF | MHD | 0.02 | 9.7430e-003 |
| tblVehicleEF | MHD | 0.03 | 0.02 |
| tblVehicleEF | MHD | 4.2500e-004 | 1.8700e-004 |
| tblVehicleEF | MHD | 0.03 | 8.4700e-003 |
| tblVehicleEF | MHD | 8.9470e-003 | 0.05 |
| tblVehicleEF | MHD | 0.17 | 0.03 |
| tblVehicleEF | MHD | 0.02 | 2.8360e-003 |
| tblVehicleEF | MHD | 1.5840e-003 | 5.0200e-004 |
| tblVehicleEF | MHD | 0.02 | 5.5560e-003 |
| tblVehicleEF | MHD | 0.21 | 0.28 |
| tblVehicleEF | MHD | 0.16 | 0.08 |
| tblVehicleEF | MHD | 2.11 | 0.41 |
| tblVehicleEF | MHD | 162.86 | 46.34 |
| tblVehicleEF | MHD | 1,078.59 | 773.61 |
| tblVehicleEF | MHD | 47.29 | 5.41 |
| tblVehicleEF | MHD | 0.41 | 0.24 |
| tblVehicleEF | MHD | 0.50 | 0.92 |
| tblVehicleEF | MHD | 11.95 | 1.84 |
| tblVehicleEF | MHD | 2.6000e-005 | 5.6000e-005 |
| tblVehicleEF | MHD | 2.6280e-003 | 7.4750e-003 |
| tblVehicleEF | MHD | 6.9500e-004 | 8.5000e-005 |

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|---|---|---|---|
| tblVehicleEF | MHD | 2.5000e-005 | 5.3000e-005 |
| tblVehicleEF | MHD | 2.5110e-003 | 7.1470e-003 |
| tblVehicleEF | MHD | 6.3900e-004 | 7.8000e-005 |
| tblVehicleEF | MHD | 1.2990e-003 | 5.6800e-004 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 8.9000e-004 | 3.8900e-004 |
| tblVehicleEF | MHD | 0.03 | 7.2680e-003 |
| tblVehicleEF | MHD | 8.9680e-003 | 0.05 |
| tblVehicleEF | MHD | 0.15 | 0.03 |
| tblVehicleEF | MHD | 1.5630e-003 | 4.4000e-004 |
| tblVehicleEF | MHD | 0.01 | 7.3750e-003 |
| tblVehicleEF | MHD | 5.1000e-004 | 5.4000e-005 |
| tblVehicleEF | MHD | 1.2990e-003 | 5.6800e-004 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 0.03 | 0.02 |
| tblVehicleEF | MHD | 8.9000e-004 | 3.8900e-004 |
| tblVehicleEF | MHD | 0.03 | 8.4970e-003 |
| tblVehicleEF | MHD | 8.9680e-003 | 0.05 |
| tblVehicleEF | MHD | 0.16 | 0.03 |
| tblVehicleEF | MHD | 0.02 | 3.1790e-003 |
| tblVehicleEF | MHD | 1.5760e-003 | 4.9600e-004 |
| tblVehicleEF | MHD | 0.03 | 5.7400e-003 |
| tblVehicleEF | MHD | 0.41 | 0.38 |
| tblVehicleEF | MHD | 0.16 | 0.08 |
| tblVehicleEF | MHD | 2.22 | 0.43 |
| tblVehicleEF | MHD | 141.16 | 47.47 |
| tblVehicleEF | MHD | 1,078.59 | 773.61 |
| tblVehicleEF | MHD | 47.29 | 5.45 |
| tblVehicleEF | MHD | 0.38 | 0.27 |

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|---|---|---|---|
| tblVehicleEF | MHD | 0.52 | 0.96 |
| tblVehicleEF | MHD | 11.96 | 1.84 |
| tblVehicleEF | MHD | 3.7000e-005 | 7.2000e-005 |
| tblVehicleEF | MHD | 2.6280e-003 | 7.4750e-003 |
| tblVehicleEF | MHD | 6.9500e-004 | 8.5000e-005 |
| tblVehicleEF | MHD | 3.5000e-005 | 6.9000e-005 |
| tblVehicleEF | MHD | 2.5110e-003 | 7.1470e-003 |
| tblVehicleEF | MHD | 6.3900e-004 | 7.8000e-005 |
| tblVehicleEF | MHD | 6.3300e-004 | 2.7700e-004 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 4.1100e-004 | 1.8000e-004 |
| tblVehicleEF | MHD | 0.03 | 7.2520e-003 |
| tblVehicleEF | MHD | 9.7910e-003 | 0.05 |
| tblVehicleEF | MHD | 0.15 | 0.03 |
| tblVehicleEF | MHD | 1.3580e-003 | 4.5000e-004 |
| tblVehicleEF | MHD | 0.01 | 7.3750e-003 |
| tblVehicleEF | MHD | 5.1200e-004 | 5.4000e-005 |
| tblVehicleEF | MHD | 6.3300e-004 | 2.7700e-004 |
| tblVehicleEF | MHD | 0.02 | 0.01 |
| tblVehicleEF | MHD | 0.03 | 0.02 |
| tblVehicleEF | MHD | 4.1100e-004 | 1.8000e-004 |
| tblVehicleEF | MHD | 0.03 | 8.4730e-003 |
| tblVehicleEF | MHD | 9.7910e-003 | 0.05 |
| tblVehicleEF | MHD | 0.17 | 0.03 |
| tblVehicleEF | OBUS | 0.01 | 9.0480e-003 |
| tblVehicleEF | OBUS | 2.8630e-003 | 1.1380e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.24 | 0.55 |
| tblVehicleEF | OBUS | 0.18 | 0.13 |

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|---|---|---|---|
| tblVehicleEF | OBUS | 3.71 | 1.30 |
| tblVehicleEF | OBUS | 63.70 | 61.60 |
| tblVehicleEF | OBUS | 1,099.49 | 1,126.05 |
| tblVehicleEF | OBUS | 67.73 | 14.87 |
| tblVehicleEF | OBUS | 0.13 | 0.28 |
| tblVehicleEF | OBUS | 0.31 | 0.92 |
| tblVehicleEF | OBUS | 1.58 | 0.83 |
| tblVehicleEF | OBUS | 1.1000e-005 | 9.6000e-005 |
| tblVehicleEF | OBUS | 2.0010e-003 | 6.6340e-003 |
| tblVehicleEF | OBUS | 1.0960e-003 | 2.3300e-004 |
| tblVehicleEF | OBUS | 1.1000e-005 | 9.1000e-005 |
| tblVehicleEF | OBUS | 1.8890e-003 | 6.3250e-003 |
| tblVehicleEF | OBUS | 1.0080e-003 | 2.1400e-004 |
| tblVehicleEF | OBUS | 1.7850e-003 | 1.8400e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.03 | 0.05 |
| tblVehicleEF | OBUS | 8.4700e-004 | 8.8800e-004 |
| tblVehicleEF | OBUS | 0.02 | 8.2420e-003 |
| tblVehicleEF | OBUS | 0.05 | 0.21 |
| tblVehicleEF | OBUS | 0.25 | 0.08 |
| tblVehicleEF | OBUS | 6.2000e-004 | 5.8700e-004 |
| tblVehicleEF | OBUS | 0.01 | 0.01 |
| tblVehicleEF | OBUS | 7.4200e-004 | 1.4700e-004 |
| tblVehicleEF | OBUS | 1.7850e-003 | 1.8400e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.04 | 0.06 |
| tblVehicleEF | OBUS | 8.4700e-004 | 8.8800e-004 |
| tblVehicleEF | OBUS | 0.02 | 0.01 |
| tblVehicleEF | OBUS | 0.05 | 0.21 |
| tblVehicleEF | OBUS | 0.27 | 0.09 |

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|---|---|---|---|
| tblVehicleEF | OBUS | 0.01 | 9.1370e-003 |
| tblVehicleEF | OBUS | 2.9230e-003 | 1.1660e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.24 | 0.54 |
| tblVehicleEF | OBUS | 0.18 | 0.13 |
| tblVehicleEF | OBUS | 3.41 | 1.20 |
| tblVehicleEF | OBUS | 66.50 | 60.92 |
| tblVehicleEF | OBUS | 1,099.49 | 1,126.06 |
| tblVehicleEF | OBUS | 67.73 | 14.69 |
| tblVehicleEF | OBUS | 0.13 | 0.27 |
| tblVehicleEF | OBUS | 0.29 | 0.85 |
| tblVehicleEF | OBUS | 1.55 | 0.82 |
| tblVehicleEF | OBUS | 1.0000e-005 | 8.5000e-005 |
| tblVehicleEF | OBUS | 2.0010e-003 | 6.6340e-003 |
| tblVehicleEF | OBUS | 1.0960e-003 | 2.3300e-004 |
| tblVehicleEF | OBUS | 9.0000e-006 | 8.1000e-005 |
| tblVehicleEF | OBUS | 1.8890e-003 | 6.3250e-003 |
| tblVehicleEF | OBUS | 1.0080e-003 | 2.1400e-004 |
| tblVehicleEF | OBUS | 3.4090e-003 | 3.4870e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.03 | 0.05 |
| tblVehicleEF | OBUS | 1.8280e-003 | 1.8700e-003 |
| tblVehicleEF | OBUS | 0.02 | 8.3270e-003 |
| tblVehicleEF | OBUS | 0.05 | 0.21 |
| tblVehicleEF | OBUS | 0.23 | 0.08 |
| tblVehicleEF | OBUS | 6.4700e-004 | 5.8100e-004 |
| tblVehicleEF | OBUS | 0.01 | 0.01 |
| tblVehicleEF | OBUS | 7.3700e-004 | 1.4500e-004 |
| tblVehicleEF | OBUS | 3.4090e-003 | 3.4870e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |

| | | | |
|---|---|---|---|
| tblVehicleEF | OBUS | 0.04 | 0.07 |
| tblVehicleEF | OBUS | 1.8280e-003 | 1.8700e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.01 |
| tblVehicleEF | OBUS | 0.05 | 0.21 |
| tblVehicleEF | OBUS | 0.26 | 0.08 |
| tblVehicleEF | OBUS | 0.01 | 8.9730e-003 |
| tblVehicleEF | OBUS | 2.8700e-003 | 1.1410e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.25 | 0.55 |
| tblVehicleEF | OBUS | 0.18 | 0.13 |
| tblVehicleEF | OBUS | 3.68 | 1.29 |
| tblVehicleEF | OBUS | 59.84 | 62.53 |
| tblVehicleEF | OBUS | 1,099.49 | 1,126.05 |
| tblVehicleEF | OBUS | 67.73 | 14.86 |
| tblVehicleEF | OBUS | 0.12 | 0.30 |
| tblVehicleEF | OBUS | 0.30 | 0.90 |
| tblVehicleEF | OBUS | 1.57 | 0.83 |
| tblVehicleEF | OBUS | 1.4000e-005 | 1.1000e-004 |
| tblVehicleEF | OBUS | 2.0010e-003 | 6.6340e-003 |
| tblVehicleEF | OBUS | 1.0960e-003 | 2.3300e-004 |
| tblVehicleEF | OBUS | 1.3000e-005 | 1.0500e-004 |
| tblVehicleEF | OBUS | 1.8890e-003 | 6.3250e-003 |
| tblVehicleEF | OBUS | 1.0080e-003 | 2.1400e-004 |
| tblVehicleEF | OBUS | 1.7080e-003 | 1.7150e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.03 | 0.05 |
| tblVehicleEF | OBUS | 8.2900e-004 | 8.6700e-004 |
| tblVehicleEF | OBUS | 0.02 | 8.2510e-003 |
| tblVehicleEF | OBUS | 0.05 | 0.22 |
| tblVehicleEF | OBUS | 0.25 | 0.08 |

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|---|---|---|---|
| tblVehicleEF | OBUS | 5.8300e-004 | 5.9600e-004 |
| tblVehicleEF | OBUS | 0.01 | 0.01 |
| tblVehicleEF | OBUS | 7.4200e-004 | 1.4700e-004 |
| tblVehicleEF | OBUS | 1.7080e-003 | 1.7150e-003 |
| tblVehicleEF | OBUS | 0.02 | 0.02 |
| tblVehicleEF | OBUS | 0.05 | 0.06 |
| tblVehicleEF | OBUS | 8.2900e-004 | 8.6700e-004 |
| tblVehicleEF | OBUS | 0.02 | 0.01 |
| tblVehicleEF | OBUS | 0.05 | 0.22 |
| tblVehicleEF | OBUS | 0.27 | 0.09 |
| tblVehicleEF | SBUS | 0.84 | 0.07 |
| tblVehicleEF | SBUS | 3.4940e-003 | 1.1460e-003 |
| tblVehicleEF | SBUS | 0.05 | 5.9990e-003 |
| tblVehicleEF | SBUS | 7.49 | 3.27 |
| tblVehicleEF | SBUS | 0.27 | 0.15 |
| tblVehicleEF | SBUS | 5.31 | 0.67 |
| tblVehicleEF | SBUS | 1,041.59 | 264.71 |
| tblVehicleEF | SBUS | 1,009.44 | 797.71 |
| tblVehicleEF | SBUS | 51.04 | 4.32 |
| tblVehicleEF | SBUS | 2.26 | 1.21 |
| tblVehicleEF | SBUS | 0.89 | 1.27 |
| tblVehicleEF | SBUS | 12.25 | 1.95 |
| tblVehicleEF | SBUS | 1.6700e-004 | 2.9600e-004 |
| tblVehicleEF | SBUS | 0.01 | 0.01 |
| tblVehicleEF | SBUS | 2.6080e-003 | 3.2600e-003 |
| tblVehicleEF | SBUS | 1.1460e-003 | 8.6000e-005 |
| tblVehicleEF | SBUS | 1.6000e-004 | 2.8300e-004 |
| tblVehicleEF | SBUS | 2.6280e-003 | 2.6360e-003 |
| tblVehicleEF | SBUS | 2.4730e-003 | 3.0970e-003 |
| tblVehicleEF | SBUS | 1.0540e-003 | 7.9000e-005 |

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|---|---|---|---|
| tblVehicleEF | SBUS | 4.8020e-003 | 1.5390e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 0.91 | 0.33 |
| tblVehicleEF | SBUS | 2.3030e-003 | 7.4500e-004 |
| tblVehicleEF | SBUS | 0.04 | 9.8310e-003 |
| tblVehicleEF | SBUS | 0.02 | 0.07 |
| tblVehicleEF | SBUS | 0.30 | 0.03 |
| tblVehicleEF | SBUS | 0.01 | 2.5280e-003 |
| tblVehicleEF | SBUS | 9.7350e-003 | 7.6480e-003 |
| tblVehicleEF | SBUS | 6.0300e-004 | 4.3000e-005 |
| tblVehicleEF | SBUS | 4.8020e-003 | 1.5390e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 1.32 | 0.48 |
| tblVehicleEF | SBUS | 2.3030e-003 | 7.4500e-004 |
| tblVehicleEF | SBUS | 0.05 | 0.01 |
| tblVehicleEF | SBUS | 0.02 | 0.07 |
| tblVehicleEF | SBUS | 0.32 | 0.04 |
| tblVehicleEF | SBUS | 0.84 | 0.07 |
| tblVehicleEF | SBUS | 3.5520e-003 | 1.1750e-003 |
| tblVehicleEF | SBUS | 0.04 | 4.8670e-003 |
| tblVehicleEF | SBUS | 7.45 | 3.25 |
| tblVehicleEF | SBUS | 0.27 | 0.16 |
| tblVehicleEF | SBUS | 3.62 | 0.46 |
| tblVehicleEF | SBUS | 1,088.52 | 261.66 |
| tblVehicleEF | SBUS | 1,009.44 | 797.72 |
| tblVehicleEF | SBUS | 51.04 | 3.96 |
| tblVehicleEF | SBUS | 2.33 | 1.15 |
| tblVehicleEF | SBUS | 0.84 | 1.19 |
| tblVehicleEF | SBUS | 12.23 | 1.94 |
| tblVehicleEF | SBUS | 1.4100e-004 | 2.6300e-004 |

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|---|---|---|---|
| tblVehicleEF | SBUS | 0.01 | 0.01 |
| tblVehicleEF | SBUS | 2.6080e-003 | 3.2600e-003 |
| tblVehicleEF | SBUS | 1.1460e-003 | 8.6000e-005 |
| tblVehicleEF | SBUS | 1.3500e-004 | 2.5200e-004 |
| tblVehicleEF | SBUS | 2.6280e-003 | 2.6360e-003 |
| tblVehicleEF | SBUS | 2.4730e-003 | 3.0970e-003 |
| tblVehicleEF | SBUS | 1.0540e-003 | 7.9000e-005 |
| tblVehicleEF | SBUS | 9.1300e-003 | 2.9130e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 0.91 | 0.33 |
| tblVehicleEF | SBUS | 4.8940e-003 | 1.5610e-003 |
| tblVehicleEF | SBUS | 0.04 | 9.9490e-003 |
| tblVehicleEF | SBUS | 0.01 | 0.06 |
| tblVehicleEF | SBUS | 0.24 | 0.03 |
| tblVehicleEF | SBUS | 0.01 | 2.4990e-003 |
| tblVehicleEF | SBUS | 9.7350e-003 | 7.6480e-003 |
| tblVehicleEF | SBUS | 5.7400e-004 | 3.9000e-005 |
| tblVehicleEF | SBUS | 9.1300e-003 | 2.9130e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 1.32 | 0.48 |
| tblVehicleEF | SBUS | 4.8940e-003 | 1.5610e-003 |
| tblVehicleEF | SBUS | 0.05 | 0.01 |
| tblVehicleEF | SBUS | 0.01 | 0.06 |
| tblVehicleEF | SBUS | 0.26 | 0.03 |
| tblVehicleEF | SBUS | 0.84 | 0.07 |
| tblVehicleEF | SBUS | 3.4960e-003 | 1.1470e-003 |
| tblVehicleEF | SBUS | 0.05 | 6.0700e-003 |
| tblVehicleEF | SBUS | 7.54 | 3.28 |
| tblVehicleEF | SBUS | 0.27 | 0.15 |
| tblVehicleEF | SBUS | 5.35 | 0.68 |

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|---|---|---|---|
| tblVehicleEF | SBUS | 976.79 | 268.93 |
| tblVehicleEF | SBUS | 1,009.44 | 797.71 |
| tblVehicleEF | SBUS | 51.04 | 4.33 |
| tblVehicleEF | SBUS | 2.16 | 1.30 |
| tblVehicleEF | SBUS | 0.88 | 1.25 |
| tblVehicleEF | SBUS | 12.25 | 1.95 |
| tblVehicleEF | SBUS | 2.0400e-004 | 3.4200e-004 |
| tblVehicleEF | SBUS | 0.01 | 0.01 |
| tblVehicleEF | SBUS | 2.6080e-003 | 3.2600e-003 |
| tblVehicleEF | SBUS | 1.1460e-003 | 8.6000e-005 |
| tblVehicleEF | SBUS | 1.9500e-004 | 3.2700e-004 |
| tblVehicleEF | SBUS | 2.6280e-003 | 2.6360e-003 |
| tblVehicleEF | SBUS | 2.4730e-003 | 3.0970e-003 |
| tblVehicleEF | SBUS | 1.0540e-003 | 7.9000e-005 |
| tblVehicleEF | SBUS | 4.5130e-003 | 1.4240e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 0.91 | 0.33 |
| tblVehicleEF | SBUS | 2.2490e-003 | 7.2700e-004 |
| tblVehicleEF | SBUS | 0.04 | 9.8350e-003 |
| tblVehicleEF | SBUS | 0.02 | 0.08 |
| tblVehicleEF | SBUS | 0.30 | 0.03 |
| tblVehicleEF | SBUS | 9.5830e-003 | 2.5680e-003 |
| tblVehicleEF | SBUS | 9.7350e-003 | 7.6480e-003 |
| tblVehicleEF | SBUS | 6.0300e-004 | 4.3000e-005 |
| tblVehicleEF | SBUS | 4.5130e-003 | 1.4240e-003 |
| tblVehicleEF | SBUS | 0.03 | 0.01 |
| tblVehicleEF | SBUS | 1.32 | 0.47 |
| tblVehicleEF | SBUS | 2.2490e-003 | 7.2700e-004 |
| tblVehicleEF | SBUS | 0.05 | 0.01 |
| tblVehicleEF | SBUS | 0.02 | 0.08 |

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|---|---|---|---|
| tblVehicleEF | SBUS | 0.33 | 0.04 |
| tblVehicleEF | UBUS | 0.79 | 4.23 |
| tblVehicleEF | UBUS | 0.06 | 0.02 |
| tblVehicleEF | UBUS | 3.89 | 32.93 |
| tblVehicleEF | UBUS | 7.80 | 1.43 |
| tblVehicleEF | UBUS | 1,683.21 | 1,660.54 |
| tblVehicleEF | UBUS | 146.97 | 14.28 |
| tblVehicleEF | UBUS | 0.44 | 0.41 |
| tblVehicleEF | UBUS | 11.66 | 0.28 |
| tblVehicleEF | UBUS | 0.48 | 0.08 |
| tblVehicleEF | UBUS | 0.01 | 0.03 |
| tblVehicleEF | UBUS | 1.7350e-003 | 2.7300e-003 |
| tblVehicleEF | UBUS | 1.7320e-003 | 2.1800e-004 |
| tblVehicleEF | UBUS | 0.21 | 0.03 |
| tblVehicleEF | UBUS | 3.0000e-003 | 6.3130e-003 |
| tblVehicleEF | UBUS | 1.6160e-003 | 2.5940e-003 |
| tblVehicleEF | UBUS | 1.5920e-003 | 2.0000e-004 |
| tblVehicleEF | UBUS | 4.8450e-003 | 1.5660e-003 |
| tblVehicleEF | UBUS | 0.05 | 0.01 |
| tblVehicleEF | UBUS | 3.0640e-003 | 9.3600e-004 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.75 | 0.07 |
| tblVehicleEF | UBUS | 8.0120e-003 | 3.1230e-003 |
| tblVehicleEF | UBUS | 1.6140e-003 | 1.4100e-004 |
| tblVehicleEF | UBUS | 4.8450e-003 | 1.5660e-003 |
| tblVehicleEF | UBUS | 0.05 | 0.01 |
| tblVehicleEF | UBUS | 3.0640e-003 | 9.3600e-004 |
| tblVehicleEF | UBUS | 0.81 | 4.32 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |

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|---|---|---|---|
| tblVehicleEF | UBUS | 0.82 | 0.08 |
| tblVehicleEF | UBUS | 0.79 | 4.23 |
| tblVehicleEF | UBUS | 0.05 | 0.02 |
| tblVehicleEF | UBUS | 3.90 | 32.93 |
| tblVehicleEF | UBUS | 6.46 | 1.18 |
| tblVehicleEF | UBUS | 1,683.21 | 1,660.54 |
| tblVehicleEF | UBUS | 146.97 | 13.85 |
| tblVehicleEF | UBUS | 0.40 | 0.40 |
| tblVehicleEF | UBUS | 11.59 | 0.26 |
| tblVehicleEF | UBUS | 0.48 | 0.08 |
| tblVehicleEF | UBUS | 0.01 | 0.03 |
| tblVehicleEF | UBUS | 1.7350e-003 | 2.7300e-003 |
| tblVehicleEF | UBUS | 1.7320e-003 | 2.1800e-004 |
| tblVehicleEF | UBUS | 0.21 | 0.03 |
| tblVehicleEF | UBUS | 3.0000e-003 | 6.3130e-003 |
| tblVehicleEF | UBUS | 1.6160e-003 | 2.5940e-003 |
| tblVehicleEF | UBUS | 1.5920e-003 | 2.0000e-004 |
| tblVehicleEF | UBUS | 8.9640e-003 | 2.9660e-003 |
| tblVehicleEF | UBUS | 0.07 | 0.02 |
| tblVehicleEF | UBUS | 6.6200e-003 | 2.0890e-003 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.67 | 0.06 |
| tblVehicleEF | UBUS | 8.0120e-003 | 3.1230e-003 |
| tblVehicleEF | UBUS | 1.5910e-003 | 1.3700e-004 |
| tblVehicleEF | UBUS | 8.9640e-003 | 2.9660e-003 |
| tblVehicleEF | UBUS | 0.07 | 0.02 |
| tblVehicleEF | UBUS | 6.6200e-003 | 2.0890e-003 |
| tblVehicleEF | UBUS | 0.82 | 4.32 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |

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|---|---|---|---|
| tblVehicleEF | UBUS | 0.74 | 0.07 |
| tblVehicleEF | UBUS | 0.79 | 4.23 |
| tblVehicleEF | UBUS | 0.06 | 0.02 |
| tblVehicleEF | UBUS | 3.89 | 32.93 |
| tblVehicleEF | UBUS | 7.58 | 1.40 |
| tblVehicleEF | UBUS | 1,683.21 | 1,660.54 |
| tblVehicleEF | UBUS | 146.97 | 14.22 |
| tblVehicleEF | UBUS | 0.43 | 0.41 |
| tblVehicleEF | UBUS | 11.65 | 0.27 |
| tblVehicleEF | UBUS | 0.48 | 0.08 |
| tblVehicleEF | UBUS | 0.01 | 0.03 |
| tblVehicleEF | UBUS | 1.7350e-003 | 2.7300e-003 |
| tblVehicleEF | UBUS | 1.7320e-003 | 2.1800e-004 |
| tblVehicleEF | UBUS | 0.21 | 0.03 |
| tblVehicleEF | UBUS | 3.0000e-003 | 6.3130e-003 |
| tblVehicleEF | UBUS | 1.6160e-003 | 2.5940e-003 |
| tblVehicleEF | UBUS | 1.5920e-003 | 2.0000e-004 |
| tblVehicleEF | UBUS | 4.5770e-003 | 1.5720e-003 |
| tblVehicleEF | UBUS | 0.06 | 0.01 |
| tblVehicleEF | UBUS | 2.9830e-003 | 9.1600e-004 |
| tblVehicleEF | UBUS | 0.02 | 0.06 |
| tblVehicleEF | UBUS | 0.02 | 0.08 |
| tblVehicleEF | UBUS | 0.74 | 0.07 |
| tblVehicleEF | UBUS | 8.0120e-003 | 3.1230e-003 |
| tblVehicleEF | UBUS | 1.6110e-003 | 1.4100e-004 |
| tblVehicleEF | UBUS | 4.5770e-003 | 1.5720e-003 |
| tblVehicleEF | UBUS | 0.06 | 0.01 |
| tblVehicleEF | UBUS | 2.9830e-003 | 9.1600e-004 |
| tblVehicleEF | UBUS | 0.81 | 4.32 |
| tblVehicleEF | UBUS | 0.02 | 0.08 |

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|---|---|---|---|
| tblVehicleEF | UBUS | 0.81 | 0.07 |
| tblVehicleTrips | ST_TR | 204.47 | 76.44 |
| tblVehicleTrips | ST_TR | 696.00 | 173.15 |
| tblVehicleTrips | ST_TR | 1.50 | 1.84 |
| tblVehicleTrips | ST_TR | 1.32 | 5.12 |
| tblVehicleTrips | ST_TR | 2.46 | 9.74 |
| tblVehicleTrips | ST_TR | 158.37 | 56.08 |
| tblVehicleTrips | ST_TR | 1.49 | 3.93 |
| tblVehicleTrips | ST_TR | 49.97 | 25.54 |
| tblVehicleTrips | ST_TR | 1.68 | 1.73 |
| tblVehicleTrips | SU_TR | 166.88 | 76.44 |
| tblVehicleTrips | SU_TR | 500.00 | 173.15 |
| tblVehicleTrips | SU_TR | 1.50 | 1.84 |
| tblVehicleTrips | SU_TR | 0.68 | 5.12 |
| tblVehicleTrips | SU_TR | 1.05 | 9.74 |
| tblVehicleTrips | SU_TR | 131.84 | 56.08 |
| tblVehicleTrips | SU_TR | 0.62 | 3.93 |
| tblVehicleTrips | SU_TR | 25.24 | 25.54 |
| tblVehicleTrips | SU_TR | 1.68 | 1.73 |
| tblVehicleTrips | WD_TR | 542.60 | 76.44 |
| tblVehicleTrips | WD_TR | 716.00 | 173.15 |
| tblVehicleTrips | WD_TR | 1.50 | 1.84 |
| tblVehicleTrips | WD_TR | 6.97 | 5.12 |
| tblVehicleTrips | WD_TR | 11.03 | 9.74 |
| tblVehicleTrips | WD_TR | 127.15 | 56.08 |
| tblVehicleTrips | WD_TR | 3.82 | 3.93 |
| tblVehicleTrips | WD_TR | 42.70 | 25.54 |
| tblVehicleTrips | WD_TR | 1.68 | 1.73 |

## 2.0 Emissions Summary

## 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 | | | | | |
| 2045 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Maximum** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | | | | | |
| 2045 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Maximum** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | 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** |

## 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 | 619.0131 | 0.0236 | 2.6253 | 2.0000e-004 | | 9.3100e-003 | 9.3100e-003 | | 9.3100e-003 | 9.3100e-003 | | 5.6635 | 5.6635 | 0.0146 | | 6.0282 |
| Energy | 10.6055 | 96.4139 | 80.9877 | 0.5785 | | 7.3275 | 7.3275 | | 7.3275 | 7.3275 | | 115,696.7187 | 115,696.7187 | 2.2175 | 2.1211 | 116,384.2464 |
| Mobile | 69.9726 | 293.8466 | 833.8682 | 3.1007 | 419.2379 | 2.5639 | 421.8018 | 111.8841 | 2.4296 | 114.3137 | | 321,058.0179 | 321,058.0179 | 13.2951 | | 321,390.3962 |
| **Total** | **699.5912** | **390.2841** | **917.4812** | **3.6794** | **419.2379** | **9.9006** | **429.1385** | **111.8841** | **9.7664** | **121.6505** | | **436,760.4001** | **436,760.4001** | **15.5272** | **2.1211** | **437,780.6709** |

**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 | 544.6971 | 0.0131 | 1.5216 | 1.0000e-004 | | 3.9500e-003 | 3.9500e-003 | | 3.9500e-003 | 3.9500e-003 | | 3.0523 | 3.0523 | 6.1800e-003 | | 3.2068 |
| Energy | 8.9627 | 81.4793 | 68.4426 | 0.4889 | | 6.1924 | 6.1924 | | 6.1924 | 6.1924 | | 97,775.1432 | 97,775.1432 | 1.8740 | 1.7925 | 98,356.1720 |
| Mobile | 69.9726 | 293.8466 | 833.8682 | 3.1007 | 419.2379 | 2.5639 | 421.8018 | 111.8841 | 2.4296 | 114.3137 | | 321,058.0179 | 321,058.0179 | 13.2951 | | 321,390.3962 |
| **Total** | **623.6324** | **375.3389** | **903.8324** | **3.5897** | **419.2379** | **8.7602** | **427.9982** | **111.8841** | **8.6260** | **120.5101** | | **418,836.2135** | **418,836.2135** | **15.1753** | **1.7925** | **419,749.7751** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **10.86** | **3.83** | **1.49** | **2.44** | **0.00** | **11.52** | **0.27** | **0.00** | **11.68** | **0.94** | **0.00** | **4.10** | **4.10** | **2.27** | **15.49** | **4.12** |

## 3.0 Construction Detail

**Construction Phase**

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Demolition | Demolition | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 2 | Site Preparation | Site Preparation | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 3 | Grading | Grading | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 4 | Building Construction | Building Construction | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 5 | Paving | Paving | 12/31/2045 | 12/31/2045 | 5 | 0 | |
| 6 | Architectural Coating | Architectural Coating | 12/31/2045 | 12/31/2045 | 5 | 0 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 38,770,668; Non-Residential Outdoor: 12,923,556; Striped Parking**

**OffRoad Equipment**

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Demolition | Excavators | 0 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Grading | Excavators | 0 | 8.00 | 158 | 0.38 |
| Grading | Graders | 0 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 0 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 0 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 0 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 0 | 8.00 | 46 | 0.45 |

| | | | | | |
|---|---|---|---|---|---|
| Paving | Pavers | 0 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 0 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 0 | 8.00 | 80 | 0.38 |
| Architectural Coating | Air Compressors | 0 | 6.00 | 78 | 0.48 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 0 | 10,818.00 | 4,236.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 0 | 2,164.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

## 3.2 Demolition - 2045

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.3 Site Preparation - 2045

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.4 Grading - 2045

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.5 Building Construction - 2045

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.6 Paving - 2045

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

### 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 3.7 Architectural Coating - 2045

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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** | **0.0000** | **0.0000** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 69.9726 | 293.8466 | 833.8682 | 3.1007 | 419.2379 | 2.5639 | 421.8018 | 111.8841 | 2.4296 | 114.3137 | | 321,058.0179 | 321,058.0179 | 13.2951 | | 321,390.3962 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unmitigated | 69.9726 | 293.8466 | 833.8682 | 3.1007 | 419.2379 | 2.5639 | 421.8018 | 111.8841 | 2.4296 | 114.3137 | | 321,058.0179 | 321,058.0179 | 13.2951 | | 321,390.3962 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Convenience Market With Gas Pumps | 2,751.84 | 2,751.84 | 2751.84 | 1,476,099 | 1,476,099 |
| Fast Food Restaurant w/o Drive Thru | 1,125.48 | 1,125.48 | 1125.48 | 1,814,905 | 1,814,905 |
| General Heavy Industry | 5,060.00 | 5,060.00 | 5060.00 | 14,772,726 | 14,772,726 |
| General Light Industry | 12,928.41 | 12,928.41 | 12928.41 | 37,744,636 | 37,744,636 |
| General Office Building | 3,360.30 | 3,360.30 | 3360.30 | 8,030,286 | 8,030,286 |
| High Turnover (Sit Down Restaurant) | 1,009.44 | 1,009.44 | 1009.44 | 1,171,217 | 1,171,217 |
| Manufacturing | 17,888.46 | 17,888.46 | 17888.46 | 52,225,547 | 52,225,547 |
| Regional Shopping Center | 842.82 | 842.82 | 842.82 | 1,477,720 | 1,477,720 |
| Unrefrigerated Warehouse-No Rail | 27,009.94 | 27,009.94 | 27009.94 | 78,855,810 | 78,855,810 |
| Total | 71,976.68 | 71,976.68 | 71,976.68 | 197,568,947 | 197,568,947 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | 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 |
| Convenience Market With Gas Pumps | 9.50 | 7.30 | 7.30 | 0.80 | 80.20 | 19.00 | 14 | 21 | 65 |
| Fast Food Restaurant w/o Drive Thru | 9.50 | 7.30 | 7.30 | 1.50 | 79.50 | 19.00 | 51 | 37 | 12 |
| General Heavy Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| High Turnover (Sit Down Restaurant) | 9.50 | 7.30 | 7.30 | 8.50 | 72.50 | 19.00 | 37 | 20 | 43 |
| Manufacturing | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |
| Unrefrigerated Warehouse-No Rail | 9.50 | 7.30 | 7.30 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Convenience Market With Gas Pumps | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Fast Food Restaurant w/o Drive Thru | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| General Heavy Industry | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Light Industry | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |
| General Office Building | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| High Turnover (Sit Down Restaurant) | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Manufacturing | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |
| Regional Shopping Center | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Unrefrigerated Warehouse-No Rail | 0.570843 | 0.032726 | 0.185016 | 0.099868 | 0.008756 | 0.004054 | 0.019029 | 0.070540 | 0.001389 | 0.001268 | 0.005278 | 0.000719 | 0.000512 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 8.9627 | 81.4793 | 68.4426 | 0.4889 | | 6.1924 | 6.1924 | | 6.1924 | 6.1924 | | 97,775.1432 | 97,775.1432 | 1.8740 | 1.7925 | 98,356.1720 |
| NaturalGas Unmitigated | 10.6055 | 96.4139 | 80.9877 | 0.5785 | | 7.3275 | 7.3275 | | 7.3275 | 7.3275 | | 115,696.7187 | 115,696.7187 | 2.2175 | 2.1211 | 116,384.2464 |

### 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 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Convenience Market With Gas Pumps | 30.9115 | 3.3000e-004 | 3.0300e-003 | 2.5500e-003 | 2.0000e-005 | | 2.3000e-004 | 2.3000e-004 | | 2.3000e-004 | 2.3000e-004 | | 3.6367 | 3.6367 | 7.0000e-005 | 7.0000e-005 | 3.6583 |
| Fast Food Restaurant w/o Drive Thru | 4869.48 | 0.0525 | 0.4774 | 0.4010 | 2.8600e-003 | | 0.0363 | 0.0363 | | 0.0363 | 0.0363 | | 572.8799 | 572.8799 | 0.0110 | 0.0105 | 576.2843 |
| General Heavy Industry | 244788 | 2.6399 | 23.9988 | 20.1590 | 0.1440 | | 1.8239 | 1.8239 | | 1.8239 | 1.8239 | | 28,798.5496 | 28,798.5496 | 0.5520 | 0.5280 | 28,969.6849 |
| General Light Industry | 224767 | 2.4240 | 22.0360 | 18.5102 | 0.1322 | | 1.6747 | 1.6747 | | 1.6747 | 1.6747 | | 26,443.1424 | 26,443.1424 | 0.5068 | 0.4848 | 26,600.2807 |
| General Office Building | 3279.86 | 0.0354 | 0.3216 | 0.2701 | 1.9300e-003 | | 0.0244 | 0.0244 | | 0.0244 | 0.0244 | | 385.8662 | 385.8662 | 7.4000e-003 | 7.0700e-003 | 388.1593 |
| High Turnover (Sit Down Restaurant) | 13484.7 | 0.1454 | 1.3220 | 1.1105 | 7.9300e-003 | | 0.1005 | 0.1005 | | 0.1005 | 0.1005 | | 1,586.4367 | 1,586.4367 | 0.0304 | 0.0291 | 1,595.8641 |
| Manufacturing | 405170 | 4.3695 | 39.7225 | 33.3669 | 0.2383 | | 3.0189 | 3.0189 | | 3.0189 | 3.0189 | | 47,667.0451 | 47,667.0451 | 0.9136 | 0.8739 | 47,950.3065 |
| Regional Shopping Center | 200.712 | 2.1600e-003 | 0.0197 | 0.0165 | 1.2000e-004 | | 1.5000e-003 | 1.5000e-003 | | 1.5000e-003 | 1.5000e-003 | | 23.6132 | 23.6132 | 4.5000e-004 | 4.3000e-004 | 23.7535 |
| Unrefrigerated Warehouse-No Rail | 86832.2 | 0.9364 | 8.5130 | 7.1509 | 0.0511 | | 0.6470 | 0.6470 | | 0.6470 | 0.6470 | | 10,215.5489 | 10,215.5489 | 0.1958 | 0.1873 | 10,276.2548 |
| **Total** | | **10.6055** | **96.4139** | **80.9877** | **0.5785** | | **7.3275** | **7.3275** | | **7.3275** | **7.3275** | | **115,696.7187** | **115,696.7187** | **2.2175** | **2.1211** | **116,384.2464** |

## 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 | | | | | |
| Convenience Market With Gas Pumps | 0.0228912 | 2.5000e-004 | 2.2400e-003 | 1.8900e-003 | 1.0000e-005 | | 1.7000e-004 | 1.7000e-004 | | 1.7000e-004 | 1.7000e-004 | | 2.6931 | 2.6931 | 5.0000e-005 | 5.0000e-005 | 2.7091 |
| Fast Food Restaurant w/o Drive Thru | 4.45453 | 0.0480 | 0.4367 | 0.3668 | 2.6200e-003 | | 0.0332 | 0.0332 | | 0.0332 | 0.0332 | | 524.0624 | 524.0624 | 0.0100 | 9.6100e-003 | 527.1766 |
| General Heavy Industry | 210.07 | 2.2655 | 20.5951 | 17.2999 | 0.1236 | | 1.5652 | 1.5652 | | 1.5652 | 1.5652 | | 24,714.1015 | 24,714.1015 | 0.4737 | 0.4531 | 24,860.9651 |
| General Light Industry | 192.888 | 2.0802 | 18.9106 | 15.8849 | 0.1135 | | 1.4372 | 1.4372 | | 1.4372 | 1.4372 | | 22,692.7576 | 22,692.7576 | 0.4349 | 0.4160 | 22,827.6094 |
| General Office Building | 2.2959 | 0.0248 | 0.2251 | 0.1891 | 1.3500e-003 | | 0.0171 | 0.0171 | | 0.0171 | 0.0171 | | 270.1064 | 270.1064 | 5.1800e-003 | 4.9500e-003 | 271.7115 |
| High Turnover (Sit Down Restaurant) | 12.3356 | 0.1330 | 1.2094 | 1.0159 | 7.2600e-003 | | 0.0919 | 0.0919 | | 0.0919 | 0.0919 | | 1,451.2496 | 1,451.2496 | 0.0278 | 0.0266 | 1,459.8737 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Manufacturing | 347.705 | 3.7498 | 34.0888 | 28.6346 | 0.2045 | | 2.5908 | 2.5908 | | 2.5908 | 2.5908 | | 40,906.5113 | 40,906.5113 | 0.7840 | 0.7500 | 41,149.5982 |
| Regional Shopping Center | 0.148636 | 1.6000e-003 | 0.0146 | 0.0122 | 9.0000e-005 | | 1.1100e-003 | 1.1100e-003 | | 1.1100e-003 | 1.1100e-003 | | 17.4865 | 17.4865 | 3.4000e-004 | 3.2000e-004 | 17.5905 |
| Unrefrigerated Warehouse-No Rail | 61.1675 | 0.6597 | 5.9968 | 5.0373 | 0.0360 | | 0.4558 | 0.4558 | | 0.4558 | 0.4558 | | 7,196.1748 | 7,196.1748 | 0.1379 | 0.1319 | 7,238.9381 |
| **Total** | | **8.9627** | **81.4793** | **68.4426** | **0.4889** | | **6.1924** | **6.1924** | | **6.1924** | **6.1924** | | **97,775.1433** | **97,775.1433** | **1.8740** | **1.7925** | **98,356.1720** |

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

Use Low VOC Cleaning Supplies

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 544.6971 | 0.0131 | 1.5216 | 1.0000e-004 | | 3.9500e-003 | 3.9500e-003 | | 3.9500e-003 | 3.9500e-003 | | 3.0523 | 3.0523 | 6.1800e-003 | | 3.2068 |
| Unmitigated | 619.0131 | 0.0236 | 2.6253 | 2.0000e-004 | | 9.3100e-003 | 9.3100e-003 | | 9.3100e-003 | 9.3100e-003 | | 5.6635 | 5.6635 | 0.0146 | | 6.0282 |

## 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 | 65.6446 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 553.1282 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.2402 | 0.0236 | 2.6253 | 2.0000e-004 | | 9.3100e-003 | 9.3100e-003 | | 9.3100e-003 | 9.3100e-003 | | 5.6635 | 5.6635 | 0.0146 | | 6.0282 |
| **Total** | **619.0131** | **0.0236** | **2.6253** | **2.0000e-004** | | **9.3100e-003** | **9.3100e-003** | | **9.3100e-003** | **9.3100e-003** | | **5.6635** | **5.6635** | **0.0146** | | **6.0282** |

**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 | 32.8223 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 511.7728 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.1020 | 0.0131 | 1.5216 | 1.0000e-004 | | 3.9500e-003 | 3.9500e-003 | | 3.9500e-003 | 3.9500e-003 | | 3.0523 | 3.0523 | 6.1800e-003 | | 3.2068 |
| **Total** | **544.6971** | **0.0131** | **1.5216** | **1.0000e-004** | | **3.9500e-003** | **3.9500e-003** | | **3.9500e-003** | **3.9500e-003** | | **3.0523** | **3.0523** | **6.1800e-003** | | **3.2068** |

# 7.0 Water Detail

## 7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

## 11.0 Vegetation

**SCLA Specific Plan Project**
**Energy Calculations**

| Land Use | Natural Gas Use | | Electricity Use | |
|---|---|---|---|---|
| | (kBTU/yr) | (Therms) | (kWh/yr) | (MWh/yr) |
| Convenience Market With Gas Pumps | 8,355 | 84 | 57,206 | 57 |
| Fast Food Restaurant w/o Drive Thru | 1,625,900 | 16,259 | 284,479 | 284 |
| General Heavy Industry | 76,675,500 | 766,755 | 26,097,500 | 26,098 |
| General Light Industry | 70,404,300 | 704,043 | 23,963,000 | 23,963 |
| General Office Building | 838,005 | 8,380 | 2,966,660 | 2,967 |
| High Turnover (Sit Down Restaurant) | 4,502,500 | 45,025 | 787,788 | 788 |
| Manufacturing | 126,912,000 | 1,269,120 | 43,196,300 | 43,196 |
| Regional Shopping Center | 54,252 | 543 | 371,448 | 371 |
| Unrefrigerated Warehouse-No Rail | 22,326,100 | 223,261 | 35,112,900 | 35,113 |
| Existing - Manufacturing | 25,628,100 | 256,281 | 8,006,320 | 8,006 |
| Existing - Unrefrigerated Warehouse-No Rail | 6,120,860 | 61,209 | 7,115,870 | 7,116 |
| **Totals** | **271,597,952** | **2,715,980** | **117,715,091** | **117,715** |

1 kBTU = 0.01 therms

| Energy Type | Project Annual Energy Consumption | San Bernardino Annual Energy Consumption (2018) | Percentage increase countywide |
|---|---|---|---|
| Electricity (MWh/YR) | 117,715 | 15,634,000 | 0.7529% |
| Natural Gas (Therms) | 2,715,980 | 500,000,000 | 0.5432% |

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

## SCLA Specific Plan Project
## Energy Calculations

| Vehicle Type | Percent of Vehicle Trips[1] | Daily Trips[2] | Annual Vehicle Miles Traveled[3] | Average Fuel Economy (miles per gallon)[4] | Total Annual Fuel Consumption (gallons)[5] |
|---|---|---|---|---|---|
| Passenger Cars | 0.74 | 52,910 | 145,232,889 | 22 | 6,601,495 |
| Light/Medium Trucks | 0.06 | 4,182 | 11,480,167 | 17.3 | 663,593 |
| Heavy Trucks/Other | 0.21 | 14,884 | 40,855,890 | 6.4 | 6,383,733 |
| ***TOTAL*** [6] | ***1.00*** | 71,977 | ***197,568,947*** | **--** | ***13,648,821*** |

Notes:

1. Percent of Vehicle Trip distribution based on trip characteristics in the Traffic Impact Study and within the CalEEMod model.

2. Daily Trips calculated by multiplying the total daily trips by percent vehicle trips (i.e., Daily Trips x percent of Vehicle Trips).

3. Daily Vehicle Miles Traveled (VMT) calculated by multiplying percent vehicle trips by total VMT (i.e., VMT x percent of Vehicle Trips).

4. Average fuel economy derived from the Department of Transportation.

5. Total Daily Fuel Consumption calculated by dividing the daily VMT by the average fuel economy (i.e., VMT/Average Fuel Economy).

6. Values may be slightly off due to rounding.

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

**SCLA Specific Plan Project**
**Energy Calculations**

| WORKER TRIPS | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Phase Number** | **Phase Name** | **Phase Length (# days)** | **# Worker Trips** | **Worker Trip Length** | **Total VMT** | **Fuel Consumption Factor (Miles/Gallon/Day)** | **Total Fuel Consumption** |
| 1 | Site Preparation | 120 | 18 | 10.80 | 23,328 | | 937 |
| 1 | Grading | 280 | 20 | 10.80 | 60,480 | | 2,429 |
| 1 | Building Construction | 450 | 1,098 | 10.80 | 5,336,280 | | 214,284 |
| 1 | Paving | 220 | 15 | 10.80 | 35,640 | | 1,431 |
| 1 | Architectural Coating | 230 | 220 | 10.80 | 546,480 | | 21,944 |
| 2 | Site Preparation | 160 | 18 | 10.80 | 31,104 | | 1,249 |
| 2 | Grading | 270 | 20 | 10.80 | 58,320 | | 2,342 |
| 2 | Building Construction | 425 | 2,199 | 10.80 | 10,093,410 | | 405,312 |
| 2 | Paving | 120 | 15 | 10.80 | 19,440 | | 781 |
| 2 | Architectural Coating | 380 | 440 | 10.80 | 1,805,760 | | 72,512 |
| 3 | Demolition | 160 | 15 | 10.80 | 25,920 | | 1,041 |
| 3 | Site Preparation | 140 | 18 | 10.80 | 27,216 | | 1,093 |
| 3 | Grading | 220 | 20 | 10.80 | 47,520 | | 1,908 |
| 3 | Building Construction | 300 | 2,394 | 10.80 | 7,756,560 | **24.90284233** | 311,473 |
| 3 | Paving | 120 | 15 | 10.80 | 19,440 | | 781 |
| 3 | Architectural Coating | 480 | 479 | 10.80 | 2,483,136 | | 99,713 |
| 4 | Demolition | 120 | 15 | 10.80 | 19,440 | | 781 |
| 4 | Site Preparation | 120 | 18 | 10.80 | 23,328 | | 937 |
| 4 | Grading | 220 | 20 | 10.80 | 47,520 | | 1,908 |
| 4 | Building Construction | 400 | 2,055 | 10.80 | 8,877,600 | | 356,489 |
| 4 | Paving | 100 | 15 | 10.80 | 16,200 | | 651 |
| 4 | Architectural Coating | 370 | 411 | 10.80 | 1,642,356 | | 65,951 |
| 5 | Demolition | 160 | 15 | 10.80 | 25,920 | | 1,041 |
| 5 | Site Preparation | 140 | 18 | 10.80 | 27,216 | | 1,093 |
| 5 | Grading | 160 | 20 | 10.80 | 34,560 | | 1,388 |
| 5 | Building Construction | 400 | 3,072 | 10.80 | 13,271,040 | | 532,913 |
| 5 | Paving | 160 | 15 | 10.80 | 25,920 | | 1,041 |
| 5 | Architectural Coating | 540 | 614 | 10.80 | 3,580,848 | | 143,793 |
| | | | | | | | **2,247,213** |

**SCLA Specific Plan Project**
**Energy Calculations**

| VENDOR TRIPS | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Phase Number** | **Phase Name** | **Phase Length (# days)** | **# Vendor Trips** | **Vendor Trip Length** | **Total VMT** | **Fuel Consumption Factor (Miles/Gallon/Day)** | **Total Fuel Consumption** |
| 1 | Site Preparation | 120 | - | 7.30 | - | | - |
| 1 | Grading | 280 | - | 7.30 | - | | - |
| 1 | Building Construction | 450 | 429 | 7.30 | 3,132 | | 371 |
| 1 | Paving | 220 | - | 7.30 | - | | - |
| 1 | Architectural Coating | 230 | - | 7.30 | - | | - |
| 2 | Site Preparation | 160 | - | 7.30 | - | | - |
| 2 | Grading | 270 | - | 7.30 | - | | - |
| 2 | Building Construction | 425 | 859 | 7.30 | 6,271 | | 743 |
| 2 | Paving | 120 | - | 7.30 | - | | - |
| 2 | Architectural Coating | 380 | - | 7.30 | - | | - |
| 3 | Demolition | 160 | - | 7.30 | - | | - |
| 3 | Site Preparation | 140 | - | 7.30 | - | | - |
| 3 | Grading | 220 | - | 7.30 | - | | - |
| 3 | Building Construction | 300 | 934 | 7.30 | 6,818 | | 808 |
| 3 | Paving | 120 | - | 7.30 | - | **8.43886151** | - |
| 3 | Architectural Coating | 480 | - | 7.30 | - | | - |
| 4 | Demolition | 120 | - | 7.30 | - | | - |
| 4 | Site Preparation | 120 | - | 7.30 | - | | - |
| 4 | Grading | 220 | - | 7.30 | - | | - |
| 4 | Building Construction | 400 | 813 | 7.30 | 5,935 | | 703 |
| 4 | Paving | 100 | - | 7.30 | - | | - |
| 4 | Architectural Coating | 370 | - | 7.30 | - | | - |
| 5 | Demolition | 160 | - | 7.30 | - | | - |
| 5 | Site Preparation | 140 | - | 7.30 | - | | - |
| 5 | Grading | 160 | - | 7.30 | - | | - |
| 5 | Building Construction | 400 | 1,202 | 7.30 | 8,775 | | 1,040 |
| 5 | Paving | 160 | - | 7.30 | - | | - |
| 5 | Architectural Coating | 540 | - | 7.30 | - | | - |
| | | | | | | | **3,665** |

**SCLA Specific Plan Project**
**Energy Calculations**

| HAULING TRIPS | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Phase** | | **Phase Length (# days)** | **# Hauling Trips** | **Hauling Trip Length** | **Total VMT** | **Fuel Consumption Factor (Miles/Gallon/Day)[1]** | **Total Fuel Consumption** |
| 1 | Site Preparation | 120 | - | 20.00 | - | | - |
| 1 | Grading | 280 | 92,969 | 20.00 | 1,859,380 | | 222,711 |
| 1 | Building Construction | 450 | - | 20.00 | - | | - |
| 1 | Paving | 220 | - | 20.00 | - | | - |
| 1 | Architectural Coating | 230 | - | 20.00 | - | | - |
| 2 | Site Preparation | 160 | - | 20.00 | - | | - |
| 2 | Grading | 270 | 224,693 | 20.00 | 4,493,860 | | 538,260 |
| 2 | Building Construction | 425 | - | 20.00 | - | | - |
| 2 | Paving | 120 | - | 20.00 | - | | - |
| 2 | Architectural Coating | 380 | - | 20.00 | - | | - |
| 3 | Demolition | 160 | 8,728 | 20.00 | 174,560 | | 20,908 |
| 3 | Site Preparation | 140 | - | 20.00 | - | | - |
| 3 | Grading | 220 | 157,125 | 20.00 | 3,142,500 | | 376,399 |
| 3 | Building Construction | 300 | - | 20.00 | - | **8.34886151** | - |
| 3 | Paving | 120 | - | 20.00 | - | | - |
| 3 | Architectural Coating | 480 | - | 20.00 | - | | - |
| 4 | Demolition | 120 | 9,647 | 20.00 | 192,940 | | 23,110 |
| 4 | Site Preparation | 120 | - | 20.00 | - | | - |
| 4 | Grading | 220 | 146,188 | 20.00 | 2,923,760 | | 350,199 |
| 4 | Building Construction | 400 | - | 20.00 | - | | - |
| 4 | Paving | 100 | - | 20.00 | - | | - |
| 4 | Architectural Coating | 370 | - | 20.00 | - | | - |
| 5 | Demolition | 160 | 3,873 | 20.00 | 77,460 | | 9,278 |
| 5 | Site Preparation | 140 | - | 20.00 | - | | - |
| 5 | Grading | 160 | 144,688 | 20.00 | 2,893,760 | | 346,605 |
| 5 | Building Construction | 400 | - | 20.00 | - | | - |
| 5 | Paving | 160 | - | 20.00 | - | | - |
| 5 | Architectural Coating | 540 | - | 20.00 | - | | - |
| | | | | | | | **1,887,469** |

| | |
|---|---|
| **TOTAL OFF-SITE MOBILE GALLONS CONSUMED DURING CONSTRUCTION** | **4,138,347.16** |

**SCLA Specific Plan Project**
**Energy Calculations**

| Phase Number | Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor | Fuel Consumption Rate (gallons per hour) | Duration (total hours/day) | # days | Total Fuel Consumption (gallons) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Site Preparation | Rubber Tired Dozers | 3 | 8 | 247 | 0.4 | 3.952 | 24 | 120 | 11381.76 |
| 1 | Site Preparation | Tractors/Loaders/Backhoes | 4 | 8 | 97 | 0.37 | 1.4356 | 32 | 120 | 5512.70 |
| 1 | Grading | Excavators | 2 | 8 | 158 | 0.38 | 2.4016 | 16 | 280 | 10759.17 |
| 1 | Grading | Graders | 1 | 8 | 187 | 0.41 | 3.0668 | 8 | 280 | 6869.63 |
| 1 | Grading | Rubber Tired Dozers | 1 | 8 | 247 | 0.4 | 3.952 | 8 | 280 | 8852.48 |
| 1 | Grading | Scrapers | 2 | 8 | 367 | 0.48 | 7.0464 | 16 | 280 | 31567.87 |
| 1 | Grading | Tractors/Loaders/Backhoes | 2 | 8 | 97 | 0.37 | 1.4356 | 16 | 280 | 6431.49 |
| 1 | Building Construction | Cranes | 1 | 7 | 231 | 0.29 | 2.6796 | 7 | 450 | 8440.74 |
| 1 | Building Construction | Forklifts | 3 | 8 | 89 | 0.2 | 0.712 | 24 | 450 | 7689.60 |
| 1 | Building Construction | Generator Sets | 1 | 8 | 84 | 0.74 | 2.4864 | 8 | 450 | 8951.04 |
| 1 | Building Construction | Tractors/Loaders/Backhoes | 3 | 7 | 97 | 0.37 | 1.4356 | 21 | 450 | 13566.42 |
| 1 | Building Construction | Welders | 1 | 8 | 46 | 0.45 | 0.828 | 8 | 450 | 2980.80 |
| 1 | Paving | Pavers | 2 | 8 | 130 | 0.42 | 2.184 | 16 | 220 | 7687.68 |
| 1 | Paving | Paving Equipment | 2 | 8 | 132 | 0.36 | 1.9008 | 16 | 220 | 6690.82 |
| 1 | Paving | Rollers | 2 | 8 | 80 | 0.38 | 1.216 | 16 | 220 | 4280.32 |
| 1 | Architectural Coating | Air Compressors | 1 | 6 | 78 | 0.48 | 1.4976 | 6 | 230 | 2066.69 |
| 2 | Site Preparation | Rubber Tired Dozers | 3 | 8 | 247 | 0.4 | 3.952 | 24 | 160 | 15175.68 |
| 2 | Site Preparation | Tractors/Loaders/Backhoes | 4 | 8 | 97 | 0.37 | 1.4356 | 32 | 160 | 7350.27 |
| 2 | Grading | Excavators | 2 | 8 | 158 | 0.38 | 2.4016 | 16 | 270 | 10374.91 |
| 2 | Grading | Graders | 1 | 8 | 187 | 0.41 | 3.0668 | 8 | 270 | 6624.29 |
| 2 | Grading | Rubber Tired Dozers | 1 | 8 | 247 | 0.4 | 3.952 | 8 | 270 | 8536.32 |
| 2 | Grading | Scrapers | 2 | 8 | 367 | 0.48 | 7.0464 | 16 | 270 | 30440.45 |
| 2 | Grading | Tractors/Loaders/Backhoes | 2 | 8 | 97 | 0.37 | 1.4356 | 16 | 270 | 6201.79 |
| 2 | Building Construction | Cranes | 1 | 7 | 231 | 0.29 | 2.6796 | 7 | 425 | 7971.81 |
| 2 | Building Construction | Forklifts | 3 | 8 | 89 | 0.2 | 0.712 | 24 | 425 | 7262.40 |
| 2 | Building Construction | Generator Sets | 1 | 8 | 84 | 0.74 | 2.4864 | 8 | 425 | 8453.76 |
| 2 | Building Construction | Tractors/Loaders/Backhoes | 3 | 7 | 97 | 0.37 | 1.4356 | 21 | 425 | 12812.73 |
| 2 | Building Construction | Welders | 1 | 8 | 46 | 0.45 | 0.828 | 8 | 425 | 2815.20 |
| 2 | Paving | Pavers | 2 | 8 | 130 | 0.42 | 2.184 | 16 | 120 | 4193.28 |
| 2 | Paving | Paving Equipment | 2 | 8 | 132 | 0.36 | 1.9008 | 16 | 120 | 3649.54 |
| 2 | Paving | Rollers | 2 | 8 | 80 | 0.38 | 1.216 | 16 | 120 | 2334.72 |
| 2 | Architectural Coating | Air Compressors | 1 | 6 | 78 | 0.48 | 1.4976 | 6 | 380 | 3414.53 |

**SCLA Specific Plan Project**
**Energy Calculations**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | Demolition | Concrete/Industrial Saws | 1 | 8 | 81 | 0.73 | 2.3652 | 8 | 160 | 3027.46 |
| 3 | Demolition | Excavators | 3 | 8 | 158 | 0.38 | 2.4016 | 24 | 160 | 9222.14 |
| 3 | Demolition | Rubber Tired Dozers | 2 | 8 | 247 | 0.4 | 3.952 | 16 | 160 | 10117.12 |
| 3 | Site Preparation | Rubber Tired Dozers | 3 | 8 | 247 | 0.4 | 3.952 | 24 | 140 | 13278.72 |
| 3 | Site Preparation | Tractors/Loaders/Backhoes | 4 | 8 | 97 | 0.37 | 1.4356 | 32 | 140 | 6431.49 |
| 3 | Grading | Excavators | 2 | 8 | 158 | 0.38 | 2.4016 | 16 | 220 | 8453.63 |
| 3 | Grading | Graders | 1 | 8 | 187 | 0.41 | 3.0668 | 8 | 220 | 5397.57 |
| 3 | Grading | Rubber Tired Dozers | 1 | 8 | 247 | 0.4 | 3.952 | 8 | 220 | 6955.52 |
| 3 | Grading | Scrapers | 2 | 8 | 367 | 0.48 | 7.0464 | 16 | 220 | 24803.33 |
| 3 | Grading | Tractors/Loaders/Backhoes | 2 | 8 | 97 | 0.37 | 1.4356 | 16 | 220 | 5053.31 |
| 3 | Building Construction | Cranes | 1 | 7 | 231 | 0.29 | 2.6796 | 7 | 300 | 5627.16 |
| 3 | Building Construction | Forklifts | 3 | 8 | 89 | 0.2 | 0.712 | 24 | 300 | 5126.40 |
| 3 | Building Construction | Generator Sets | 1 | 8 | 84 | 0.74 | 2.4864 | 8 | 300 | 5967.36 |
| 3 | Building Construction | Tractors/Loaders/Backhoes | 3 | 7 | 97 | 0.37 | 1.4356 | 21 | 300 | 9044.28 |
| 3 | Building Construction | Welders | 1 | 8 | 46 | 0.45 | 0.828 | 8 | 300 | 1987.20 |
| 3 | Paving | Pavers | 2 | 8 | 130 | 0.42 | 2.184 | 16 | 120 | 4193.28 |
| 3 | Paving | Paving Equipment | 2 | 8 | 132 | 0.36 | 1.9008 | 16 | 120 | 3649.54 |
| 3 | Paving | Rollers | 2 | 8 | 80 | 0.38 | 1.216 | 16 | 120 | 2334.72 |
| 3 | Architectural Coating | Air Compressors | 1 | 6 | 78 | 0.48 | 1.4976 | 6 | 480 | 4313.09 |
| 4 | Demolition | Concrete/Industrial Saws | 1 | 8 | 81 | 0.73 | 2.3652 | 8 | 120 | 2270.59 |
| 4 | Demolition | Excavators | 3 | 8 | 158 | 0.38 | 2.4016 | 24 | 120 | 6916.61 |
| 4 | Demolition | Rubber Tired Dozers | 2 | 8 | 247 | 0.4 | 3.952 | 16 | 120 | 7587.84 |
| 4 | Site Preparation | Rubber Tired Dozers | 3 | 8 | 247 | 0.4 | 3.952 | 24 | 120 | 11381.76 |
| 4 | Site Preparation | Tractors/Loaders/Backhoes | 4 | 8 | 97 | 0.37 | 1.4356 | 32 | 120 | 5512.70 |
| 4 | Grading | Excavators | 2 | 8 | 158 | 0.38 | 2.4016 | 16 | 220 | 8453.63 |
| 4 | Grading | Graders | 1 | 8 | 187 | 0.41 | 3.0668 | 8 | 220 | 5397.57 |
| 4 | Grading | Rubber Tired Dozers | 1 | 8 | 247 | 0.4 | 3.952 | 8 | 220 | 6955.52 |
| 4 | Grading | Scrapers | 2 | 8 | 367 | 0.48 | 7.0464 | 16 | 220 | 24803.33 |
| 4 | Grading | Tractors/Loaders/Backhoes | 2 | 8 | 97 | 0.37 | 1.4356 | 16 | 220 | 5053.31 |
| 4 | Building Construction | Cranes | 1 | 7 | 231 | 0.29 | 2.6796 | 7 | 400 | 7502.88 |
| 4 | Building Construction | Forklifts | 3 | 8 | 89 | 0.2 | 0.712 | 24 | 400 | 6835.20 |
| 4 | Building Construction | Generator Sets | 1 | 8 | 84 | 0.74 | 2.4864 | 8 | 400 | 7956.48 |
| 4 | Building Construction | Tractors/Loaders/Backhoes | 3 | 7 | 97 | 0.37 | 1.4356 | 21 | 400 | 12059.04 |
| 4 | Building Construction | Welders | 1 | 8 | 46 | 0.45 | 0.828 | 8 | 400 | 2649.60 |
| 4 | Paving | Pavers | 2 | 8 | 130 | 0.42 | 2.184 | 16 | 100 | 3494.40 |
| 4 | Paving | Paving Equipment | 2 | 8 | 132 | 0.36 | 1.9008 | 16 | 100 | 3041.28 |
| 4 | Paving | Rollers | 2 | 8 | 80 | 0.38 | 1.216 | 16 | 100 | 1945.60 |
| 4 | Architectural Coating | Air Compressors | 1 | 6 | 78 | 0.48 | 1.4976 | 6 | 370 | 3324.67 |

**SCLA Specific Plan Project**
**Energy Calculations**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 5 | Demolition | Concrete/Industrial Saws | 1 | 8 | 81 | 0.73 | 2.3652 | 8 | 160 | 3027.46 |
| 5 | Demolition | Excavators | 3 | 8 | 158 | 0.38 | 2.4016 | 24 | 160 | 9222.14 |
| 5 | Demolition | Rubber Tired Dozers | 2 | 8 | 247 | 0.4 | 3.952 | 16 | 160 | 10117.12 |
| 5 | Site Preparation | Rubber Tired Dozers | 3 | 8 | 247 | 0.4 | 3.952 | 24 | 140 | 13278.72 |
| 5 | Site Preparation | Tractors/Loaders/Backhoes | 4 | 8 | 97 | 0.37 | 1.4356 | 32 | 140 | 6431.49 |
| 5 | Grading | Excavators | 2 | 8 | 158 | 0.38 | 2.4016 | 16 | 160 | 6148.10 |
| 5 | Grading | Graders | 1 | 8 | 187 | 0.41 | 3.0668 | 8 | 160 | 3925.50 |
| 5 | Grading | Rubber Tired Dozers | 1 | 8 | 247 | 0.4 | 3.952 | 8 | 160 | 5058.56 |
| 5 | Grading | Scrapers | 2 | 8 | 367 | 0.48 | 7.0464 | 16 | 160 | 18038.78 |
| 5 | Grading | Tractors/Loaders/Backhoes | 2 | 8 | 97 | 0.37 | 1.4356 | 16 | 160 | 3675.14 |
| 5 | Building Construction | Cranes | 1 | 7 | 231 | 0.29 | 2.6796 | 7 | 400 | 7502.88 |
| 5 | Building Construction | Forklifts | 3 | 8 | 89 | 0.2 | 0.712 | 24 | 400 | 6835.20 |
| 5 | Building Construction | Generator Sets | 1 | 8 | 84 | 0.74 | 2.4864 | 8 | 400 | 7956.48 |
| 5 | Building Construction | Tractors/Loaders/Backhoes | 3 | 7 | 97 | 0.37 | 1.4356 | 21 | 400 | 12059.04 |
| 5 | Building Construction | Welders | 1 | 8 | 46 | 0.45 | 0.828 | 8 | 400 | 2649.60 |
| 5 | Paving | Pavers | 2 | 8 | 130 | 0.42 | 2.184 | 16 | 160 | 5591.04 |
| 5 | Paving | Paving Equipment | 2 | 8 | 132 | 0.36 | 1.9008 | 16 | 160 | 4866.05 |
| 5 | Paving | Rollers | 2 | 8 | 80 | 0.38 | 1.216 | 16 | 160 | 3112.96 |
| 5 | Architectural Coating | Air Compressors | 1 | 6 | 78 | 0.48 | 1.4976 | 6 | 540 | 4852.22 |

| | | |
|---|---|---|
| | Total: | 683,815 |
| Notes: | Off-Site Mobile Construction Total: | 4,138,347 |
| Fuel Consumption Rate = Horsepower x Load Factor x Fuel Consumption Factor | **TOTAL:** | **4,822,162** |
| Where: | **ANNUAL TOTAL:** | **192,886** |
| Fuel Consumption Factor for a diesel engine is 0.04 gallons per horsepower per hour (gal/hp/hr) and a gasoline engine is 0.06 gal/hp/hr. | | |

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