

Alt 3 - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Alt 3

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1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|-------------------------|-------|----------|-------------|--------------------|------------|
| General Office Building | 10.81 | 1000sqft | 0.08 | 10,815.00 | 0 |
| Other Asphalt Surfaces | 14.03 | 1000sqft | 0.32 | 14,025.00 | 0 |
| Strip Mall | 8.96 | 1000sqft | 0.21 | 8,956.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|---|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 33 |
| Climate Zone | 11 | | | Operational Year | 2025 |
| Utility Company | Los Angeles Department of Water & Power | | | | |
| CO2 Intensity (lb/MWhr) | 691.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant info.

Land Use - Applicant info.

Construction Phase - "Building Construction" would consist of both Barry Building improvements and new building construction.

Off-road Equipment - Applicant info.

Off-road Equipment - Applicant info.

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Trips and VMT - Asbestos Abatement phase assumes one inbound and one outbound haul trip per workday.

Demolition - For "Asbestos Abatement" assumes that 1 CY of C&D equals 484lbs per EPA volume to weight conversion factors for waste materials (2016).

Grading - Applicant info.

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

| Table Name | Column Name | Default Value | New Value |
|------------------------|--------------------------------|---------------|--------------------------|
| tblConstDustMitigation | CleanPavedRoadPercentReduction | 0 | 80 |
| tblConstructionPhase | NumDays | 2.00 | 5.00 |
| tblLandUse | LandUseSquareFeet | 10,810.00 | 10,815.00 |
| tblLandUse | LandUseSquareFeet | 14,030.00 | 14,025.00 |
| tblLandUse | LandUseSquareFeet | 8,960.00 | 8,956.00 |
| tblLandUse | LotAcreage | 0.25 | 0.08 |
| tblOffRoadEquipment | LoadFactor | 0.38 | 0.38 |
| tblOffRoadEquipment | LoadFactor | 0.38 | 0.38 |
| tblOffRoadEquipment | LoadFactor | 0.38 | 0.38 |
| tblOffRoadEquipment | LoadFactor | 0.31 | 0.31 |
| tblOffRoadEquipment | LoadFactor | 0.37 | 0.37 |
| tblOffRoadEquipment | LoadFactor | 0.36 | 0.36 |
| tblOffRoadEquipment | OffRoadEquipmentType | | Air Compressors |
| tblOffRoadEquipment | OffRoadEquipmentType | | Generator Sets |
| tblOffRoadEquipment | OffRoadEquipmentType | | Excavators |
| tblOffRoadEquipment | OffRoadEquipmentType | | Air Compressors |
| tblOffRoadEquipment | OffRoadEquipmentType | | Generator Sets |
| tblOffRoadEquipment | OffRoadEquipmentType | | Rollers |
| tblOffRoadEquipment | OffRoadEquipmentType | | Excavators |
| tblOffRoadEquipment | OffRoadEquipmentType | | Aerial Lifts |
| tblOffRoadEquipment | OffRoadEquipmentType | | Air Compressors |
| tblOffRoadEquipment | OffRoadEquipmentType | | Cement and Mortar Mixers |
| tblOffRoadEquipment | OffRoadEquipmentType | | Concrete/Industrial Saws |

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| | | | |
|---------------------|----------------------------|-------|--------------------|
| tblOffRoadEquipment | OffRoadEquipmentType | | Generator Sets |
| tblOffRoadEquipment | OffRoadEquipmentType | | Skid Steer Loaders |
| tblOffRoadEquipment | OffRoadEquipmentType | | Welders |
| tblOffRoadEquipment | OffRoadEquipmentType | | Paving Equipment |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 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 | 1.00 |
| tblOffRoadEquipment | UsageHours | 4.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 8.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 42.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 42.00 |
| tblTripsAndVMT | HaulingTripNumber | 3.00 | 20.00 |
| tblTripsAndVMT | WorkerTripNumber | 5.00 | 20.00 |
| tblTripsAndVMT | WorkerTripNumber | 2.00 | 4.00 |

2.0 Emissions Summary

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| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|-----------|--|--|
| 1 | 1-2-2023 | 4-1-2023 | 0.5765 | 0.5765 |
| 2 | 4-2-2023 | 7-1-2023 | 0.7311 | 0.7311 |
| 3 | 7-2-2023 | 9-30-2023 | 0.0696 | 0.0696 |
| | | Highest | 0.7311 | 0.7311 |

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.0818 | 0.0000 | 4.3000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 8.4000e-004 | 8.4000e-004 | 0.0000 | 0.0000 | 8.9000e-004 |
| Energy | 6.8000e-004 | 6.1800e-003 | 5.1900e-003 | 4.0000e-005 | | 4.7000e-004 | 4.7000e-004 | | 4.7000e-004 | 4.7000e-004 | 0.0000 | 85.9023 | 85.9023 | 3.9000e-003 | 5.8000e-004 | 86.1731 |
| Mobile | 0.1795 | 0.1792 | 1.6244 | 3.3000e-003 | 0.3564 | 2.4900e-003 | 0.3589 | 0.0951 | 2.3100e-003 | 0.0974 | 0.0000 | 305.3818 | 305.3818 | 0.0237 | 0.0145 | 310.3046 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 3.9502 | 0.0000 | 3.9502 | 0.2335 | 0.0000 | 9.7865 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.8201 | 16.0897 | 16.9098 | 0.0850 | 2.0800e-003 | 19.6552 |
| Total | 0.2620 | 0.1854 | 1.6301 | 3.3400e-003 | 0.3564 | 2.9600e-003 | 0.3594 | 0.0951 | 2.7800e-003 | 0.0979 | 4.7703 | 407.3746 | 412.1449 | 0.3460 | 0.0172 | 425.9202 |

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2.2 Overall Operational

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.0818 | 0.0000 | 4.3000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 8.4000e-004 | 8.4000e-004 | 0.0000 | 0.0000 | 8.9000e-004 |
| Energy | 6.8000e-004 | 6.1800e-003 | 5.1900e-003 | 4.0000e-005 | | 4.7000e-004 | 4.7000e-004 | | 4.7000e-004 | 4.7000e-004 | 0.0000 | 85.9023 | 85.9023 | 3.9000e-003 | 5.8000e-004 | 86.1731 |
| Mobile | 0.1795 | 0.1792 | 1.6244 | 3.3000e-003 | 0.3564 | 2.4900e-003 | 0.3589 | 0.0951 | 2.3100e-003 | 0.0974 | 0.0000 | 305.3818 | 305.3818 | 0.0237 | 0.0145 | 310.3046 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 3.9502 | 0.0000 | 3.9502 | 0.2335 | 0.0000 | 9.7865 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.8201 | 16.0897 | 16.9098 | 0.0850 | 2.0800e-003 | 19.6552 |
| Total | 0.2620 | 0.1854 | 1.6301 | 3.3400e-003 | 0.3564 | 2.9600e-003 | 0.3594 | 0.0951 | 2.7800e-003 | 0.0979 | 4.7703 | 407.3746 | 412.1449 | 0.3460 | 0.0172 | 425.9202 |

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|--------------------|------------|------------|-----------|---------------|----------|-------------------|
| 1 | Asbestos Abatement | Demolition | 1/2/2023 | 1/13/2023 | 5 | 10 | |
| 2 | Partial Demolition | Demolition | 1/16/2023 | 1/27/2023 | 5 | 10 | |
| 3 | Grading | Grading | 1/30/2023 | 2/3/2023 | 5 | 5 | |

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| | | | | | | |
|---|-----------------------|-----------------------|-----------|-----------|---|-----|
| 4 | Building Construction | Building Construction | 2/6/2023 | 6/23/2023 | 5 | 100 |
| 5 | Paving | Paving | 6/26/2023 | 6/30/2023 | 5 | 5 |
| 6 | Architectural Coating | Architectural Coating | 7/3/2023 | 7/7/2023 | 5 | 5 |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2.5

Acres of Paving: 0.32

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 29,657; Non-Residential Outdoor: 9,886; Striped Parking Area: 842 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Asbestos Abatement | Air Compressors | 1 | 8.00 | 78 | 0.48 |
| Asbestos Abatement | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Asbestos Abatement | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Asbestos Abatement | Rubber Tired Dozers | 0 | 1.00 | 247 | 0.40 |
| Asbestos Abatement | Tractors/Loaders/Backhoes | 0 | 6.00 | 97 | 0.37 |
| Partial Demolition | Excavators | 1 | 8.00 | 158 | 0.38 |
| Partial Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Partial Demolition | Air Compressors | 1 | 8.00 | 78 | 0.48 |
| Partial Demolition | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Partial Demolition | Rubber Tired Dozers | 0 | 1.00 | 247 | 0.40 |
| Partial Demolition | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Grading | Rollers | 1 | 8.00 | 80 | 0.38 |
| Grading | Excavators | 1 | 8.00 | 158 | 0.38 |
| Building Construction | Aerial Lifts | 1 | 8.00 | 63 | 0.31 |
| Building Construction | Air Compressors | 2 | 8.00 | 78 | 0.48 |
| Building Construction | Cement and Mortar Mixers | 1 | 8.00 | 9 | 0.56 |
| Building Construction | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |

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| | | | | | |
|-----------------------|---------------------------|---|------|-----|------|
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Skid Steer Loaders | 1 | 8.00 | 65 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Paving | Paving Equipment | | | 132 | 0.36 |
| Grading | Graders | 0 | 6.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 2 | 8.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 8.00 | 89 | 0.20 |
| Building Construction | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Paving | Cement and Mortar Mixers | 4 | 6.00 | 9 | 0.56 |
| Paving | Pavers | 1 | 7.00 | 130 | 0.42 |
| Paving | Rollers | 1 | 7.00 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Asbestos Abatement | 2 | 20.00 | 0.00 | 20.00 | 14.70 | 6.90 | 42.00 | LD_Mix | HDT_Mix | HHDT |
| Partial Demolition | 5 | 13.00 | 0.00 | 23.00 | 14.70 | 6.90 | 42.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 4 | 10.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 12 | 12.00 | 6.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 7 | 18.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 4.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Water Exposed Area

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Clean Paved Roads

3.2 Asbestos Abatement - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 3.4000e-004 | 0.0000 | 3.4000e-004 | 5.0000e-005 | 0.0000 | 5.0000e-005 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.8100e-003 | 0.0223 | 0.0304 | 5.0000e-005 | | 1.1100e-003 | 1.1100e-003 | | 1.1100e-003 | 1.1100e-003 | 0.0000 | 4.5282 | 4.5282 | 2.3000e-004 | 0.0000 | 4.5339 |
| Total | 2.8100e-003 | 0.0223 | 0.0304 | 5.0000e-005 | 3.4000e-004 | 1.1100e-003 | 1.4500e-003 | 5.0000e-005 | 1.1100e-003 | 1.1600e-003 | 0.0000 | 4.5282 | 4.5282 | 2.3000e-004 | 0.0000 | 4.5339 |

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3.2 Asbestos Abatement - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 3.0000e-005 | 2.6800e-003 | 5.7000e-004 | 1.0000e-005 | 3.6000e-004 | 2.0000e-005 | 3.8000e-004 | 1.0000e-004 | 2.0000e-005 | 1.2000e-004 | 0.0000 | 1.1967 | 1.1967 | 7.0000e-005 | 1.9000e-004 | 1.2550 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.2000e-004 | 2.5000e-004 | 3.4100e-003 | 1.0000e-005 | 1.1000e-003 | 1.0000e-005 | 1.1000e-003 | 2.9000e-004 | 1.0000e-005 | 3.0000e-004 | 0.0000 | 0.8722 | 0.8722 | 2.0000e-005 | 2.0000e-005 | 0.8796 |
| Total | 3.5000e-004 | 2.9300e-003 | 3.9800e-003 | 2.0000e-005 | 1.4600e-003 | 3.0000e-005 | 1.4800e-003 | 3.9000e-004 | 3.0000e-005 | 4.2000e-004 | 0.0000 | 2.0690 | 2.0690 | 9.0000e-005 | 2.1000e-004 | 2.1346 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 1.5000e-004 | 0.0000 | 1.5000e-004 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.8100e-003 | 0.0223 | 0.0304 | 5.0000e-005 | | 1.1100e-003 | 1.1100e-003 | | 1.1100e-003 | 1.1100e-003 | 0.0000 | 4.5282 | 4.5282 | 2.3000e-004 | 0.0000 | 4.5339 |
| Total | 2.8100e-003 | 0.0223 | 0.0304 | 5.0000e-005 | 1.5000e-004 | 1.1100e-003 | 1.2600e-003 | 2.0000e-005 | 1.1100e-003 | 1.1300e-003 | 0.0000 | 4.5282 | 4.5282 | 2.3000e-004 | 0.0000 | 4.5339 |

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3.2 Asbestos Abatement - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 3.0000e-005 | 2.6800e-003 | 5.7000e-004 | 1.0000e-005 | 1.4000e-004 | 2.0000e-005 | 1.6000e-004 | 5.0000e-005 | 2.0000e-005 | 6.0000e-005 | 0.0000 | 1.1967 | 1.1967 | 7.0000e-005 | 1.9000e-004 | 1.2550 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.2000e-004 | 2.5000e-004 | 3.4100e-003 | 1.0000e-005 | 3.4000e-004 | 1.0000e-005 | 3.4000e-004 | 1.0000e-004 | 1.0000e-005 | 1.1000e-004 | 0.0000 | 0.8722 | 0.8722 | 2.0000e-005 | 2.0000e-005 | 0.8796 |
| Total | 3.5000e-004 | 2.9300e-003 | 3.9800e-003 | 2.0000e-005 | 4.8000e-004 | 3.0000e-005 | 5.0000e-004 | 1.5000e-004 | 3.0000e-005 | 1.7000e-004 | 0.0000 | 2.0690 | 2.0690 | 9.0000e-005 | 2.1000e-004 | 2.1346 |

3.3 Partial Demolition - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 2.4600e-003 | 0.0000 | 2.4600e-003 | 3.7000e-004 | 0.0000 | 3.7000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 6.1800e-003 | 0.0507 | 0.0762 | 1.3000e-004 | | 2.5100e-003 | 2.5100e-003 | | 2.4500e-003 | 2.4500e-003 | 0.0000 | 10.8642 | 10.8642 | 1.5400e-003 | 0.0000 | 10.9027 |
| Total | 6.1800e-003 | 0.0507 | 0.0762 | 1.3000e-004 | 2.4600e-003 | 2.5100e-003 | 4.9700e-003 | 3.7000e-004 | 2.4500e-003 | 2.8200e-003 | 0.0000 | 10.8642 | 10.8642 | 1.5400e-003 | 0.0000 | 10.9027 |

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3.3 Partial Demolition - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 4.0000e-005 | 3.0900e-003 | 6.5000e-004 | 1.0000e-005 | 4.2000e-004 | 2.0000e-005 | 4.3000e-004 | 1.1000e-004 | 2.0000e-005 | 1.3000e-004 | 0.0000 | 1.3762 | 1.3762 | 8.0000e-005 | 2.2000e-004 | 1.4433 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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-004 | 1.6000e-004 | 2.2100e-003 | 1.0000e-005 | 7.1000e-004 | 0.0000 | 7.2000e-004 | 1.9000e-004 | 0.0000 | 1.9000e-004 | 0.0000 | 0.5670 | 0.5670 | 2.0000e-005 | 1.0000e-005 | 0.5717 |
| Total | 2.5000e-004 | 3.2500e-003 | 2.8600e-003 | 2.0000e-005 | 1.1300e-003 | 2.0000e-005 | 1.1500e-003 | 3.0000e-004 | 2.0000e-005 | 3.2000e-004 | 0.0000 | 1.9432 | 1.9432 | 1.0000e-004 | 2.3000e-004 | 2.0150 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 1.1100e-003 | 0.0000 | 1.1100e-003 | 1.7000e-004 | 0.0000 | 1.7000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 6.1800e-003 | 0.0507 | 0.0762 | 1.3000e-004 | | 2.5100e-003 | 2.5100e-003 | | 2.4500e-003 | 2.4500e-003 | 0.0000 | 10.8642 | 10.8642 | 1.5400e-003 | 0.0000 | 10.9027 |
| Total | 6.1800e-003 | 0.0507 | 0.0762 | 1.3000e-004 | 1.1100e-003 | 2.5100e-003 | 3.6200e-003 | 1.7000e-004 | 2.4500e-003 | 2.6200e-003 | 0.0000 | 10.8642 | 10.8642 | 1.5400e-003 | 0.0000 | 10.9027 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Partial Demolition - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 4.0000e-005 | 3.0900e-003 | 6.5000e-004 | 1.0000e-005 | 1.7000e-004 | 2.0000e-005 | 1.9000e-004 | 5.0000e-005 | 2.0000e-005 | 7.0000e-005 | 0.0000 | 1.3762 | 1.3762 | 8.0000e-005 | 2.2000e-004 | 1.4433 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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-004 | 1.6000e-004 | 2.2100e-003 | 1.0000e-005 | 2.2000e-004 | 0.0000 | 2.2000e-004 | 7.0000e-005 | 0.0000 | 7.0000e-005 | 0.0000 | 0.5670 | 0.5670 | 2.0000e-005 | 1.0000e-005 | 0.5717 |
| Total | 2.5000e-004 | 3.2500e-003 | 2.8600e-003 | 2.0000e-005 | 3.9000e-004 | 2.0000e-005 | 4.1000e-004 | 1.2000e-004 | 2.0000e-005 | 1.4000e-004 | 0.0000 | 1.9432 | 1.9432 | 1.0000e-004 | 2.3000e-004 | 2.0150 |

3.4 Grading - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0164 | 0.0000 | 0.0164 | 8.4200e-003 | 0.0000 | 8.4200e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.9400e-003 | 0.0295 | 0.0261 | 5.0000e-005 | | 1.4000e-003 | 1.4000e-003 | | 1.2900e-003 | 1.2900e-003 | 0.0000 | 4.2685 | 4.2685 | 1.3800e-003 | 0.0000 | 4.3030 |
| Total | 2.9400e-003 | 0.0295 | 0.0261 | 5.0000e-005 | 0.0164 | 1.4000e-003 | 0.0178 | 8.4200e-003 | 1.2900e-003 | 9.7100e-003 | 0.0000 | 4.2685 | 4.2685 | 1.3800e-003 | 0.0000 | 4.3030 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 8.0000e-005 | 6.0000e-005 | 8.5000e-004 | 0.0000 | 2.7000e-004 | 0.0000 | 2.8000e-004 | 7.0000e-005 | 0.0000 | 7.0000e-005 | 0.0000 | 0.2181 | 0.2181 | 1.0000e-005 | 1.0000e-005 | 0.2199 |
| Total | 8.0000e-005 | 6.0000e-005 | 8.5000e-004 | 0.0000 | 2.7000e-004 | 0.0000 | 2.8000e-004 | 7.0000e-005 | 0.0000 | 7.0000e-005 | 0.0000 | 0.2181 | 0.2181 | 1.0000e-005 | 1.0000e-005 | 0.2199 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 7.3700e-003 | 0.0000 | 7.3700e-003 | 3.7900e-003 | 0.0000 | 3.7900e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.9400e-003 | 0.0295 | 0.0261 | 5.0000e-005 | | 1.4000e-003 | 1.4000e-003 | | 1.2900e-003 | 1.2900e-003 | 0.0000 | 4.2685 | 4.2685 | 1.3800e-003 | 0.0000 | 4.3030 |
| Total | 2.9400e-003 | 0.0295 | 0.0261 | 5.0000e-005 | 7.3700e-003 | 1.4000e-003 | 8.7700e-003 | 3.7900e-003 | 1.2900e-003 | 5.0800e-003 | 0.0000 | 4.2685 | 4.2685 | 1.3800e-003 | 0.0000 | 4.3030 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 8.0000e-005 | 6.0000e-005 | 8.5000e-004 | 0.0000 | 8.0000e-005 | 0.0000 | 9.0000e-005 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.2181 | 0.2181 | 1.0000e-005 | 1.0000e-005 | 0.2199 |
| Total | 8.0000e-005 | 6.0000e-005 | 8.5000e-004 | 0.0000 | 8.0000e-005 | 0.0000 | 9.0000e-005 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.2181 | 0.2181 | 1.0000e-005 | 1.0000e-005 | 0.2199 |

3.5 Building Construction - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.1236 | 1.0753 | 1.1283 | 2.1200e-003 | | 0.0495 | 0.0495 | | 0.0476 | 0.0476 | 0.0000 | 181.4039 | 181.4039 | 0.0319 | 0.0000 | 182.2016 |
| Total | 0.1236 | 1.0753 | 1.1283 | 2.1200e-003 | | 0.0495 | 0.0495 | | 0.0476 | 0.0476 | 0.0000 | 181.4039 | 181.4039 | 0.0319 | 0.0000 | 182.2016 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 3.4000e-004 | 0.0121 | 4.5300e-003 | 6.0000e-005 | 1.8900e-003 | 6.0000e-005 | 1.9500e-003 | 5.5000e-004 | 6.0000e-005 | 6.0000e-004 | 0.0000 | 5.4547 | 5.4547 | 1.8000e-004 | 7.9000e-004 | 5.6932 |
| Worker | 1.9000e-003 | 1.5100e-003 | 0.0204 | 6.0000e-005 | 6.5700e-003 | 4.0000e-005 | 6.6200e-003 | 1.7500e-003 | 4.0000e-005 | 1.7800e-003 | 0.0000 | 5.2335 | 5.2335 | 1.4000e-004 | 1.4000e-004 | 5.2775 |
| Total | 2.2400e-003 | 0.0136 | 0.0250 | 1.2000e-004 | 8.4600e-003 | 1.0000e-004 | 8.5700e-003 | 2.3000e-003 | 1.0000e-004 | 2.3800e-003 | 0.0000 | 10.6881 | 10.6881 | 3.2000e-004 | 9.3000e-004 | 10.9707 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.1236 | 1.0752 | 1.1283 | 2.1200e-003 | | 0.0495 | 0.0495 | | 0.0476 | 0.0476 | 0.0000 | 181.4037 | 181.4037 | 0.0319 | 0.0000 | 182.2014 |
| Total | 0.1236 | 1.0752 | 1.1283 | 2.1200e-003 | | 0.0495 | 0.0495 | | 0.0476 | 0.0476 | 0.0000 | 181.4037 | 181.4037 | 0.0319 | 0.0000 | 182.2014 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 3.4000e-004 | 0.0121 | 4.5300e-003 | 6.0000e-005 | 8.2000e-004 | 6.0000e-005 | 8.8000e-004 | 2.8000e-004 | 6.0000e-005 | 3.4000e-004 | 0.0000 | 5.4547 | 5.4547 | 1.8000e-004 | 7.9000e-004 | 5.6932 |
| Worker | 1.9000e-003 | 1.5100e-003 | 0.0204 | 6.0000e-005 | 2.0200e-003 | 4.0000e-005 | 2.0600e-003 | 6.3000e-004 | 4.0000e-005 | 6.6000e-004 | 0.0000 | 5.2335 | 5.2335 | 1.4000e-004 | 1.4000e-004 | 5.2775 |
| Total | 2.2400e-003 | 0.0136 | 0.0250 | 1.2000e-004 | 2.8400e-003 | 1.0000e-004 | 2.9400e-003 | 9.1000e-004 | 1.0000e-004 | 1.0000e-003 | 0.0000 | 10.6881 | 10.6881 | 3.2000e-004 | 9.3000e-004 | 10.9707 |

3.6 Paving - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 1.5300e-003 | 0.0138 | 0.0176 | 3.0000e-005 | | 6.6000e-004 | 6.6000e-004 | | 6.2000e-004 | 6.2000e-004 | 0.0000 | 2.3498 | 2.3498 | 6.8000e-004 | 0.0000 | 2.3669 |
| Paving | 4.2000e-004 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 1.9500e-003 | 0.0138 | 0.0176 | 3.0000e-005 | | 6.6000e-004 | 6.6000e-004 | | 6.2000e-004 | 6.2000e-004 | 0.0000 | 2.3498 | 2.3498 | 6.8000e-004 | 0.0000 | 2.3669 |

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3.6 Paving - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.4000e-004 | 1.1000e-004 | 1.5300e-003 | 0.0000 | 4.9000e-004 | 0.0000 | 5.0000e-004 | 1.3000e-004 | 0.0000 | 1.3000e-004 | 0.0000 | 0.3925 | 0.3925 | 1.0000e-005 | 1.0000e-005 | 0.3958 |
| Total | 1.4000e-004 | 1.1000e-004 | 1.5300e-003 | 0.0000 | 4.9000e-004 | 0.0000 | 5.0000e-004 | 1.3000e-004 | 0.0000 | 1.3000e-004 | 0.0000 | 0.3925 | 0.3925 | 1.0000e-005 | 1.0000e-005 | 0.3958 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 1.5300e-003 | 0.0138 | 0.0176 | 3.0000e-005 | | 6.6000e-004 | 6.6000e-004 | | 6.2000e-004 | 6.2000e-004 | 0.0000 | 2.3498 | 2.3498 | 6.8000e-004 | 0.0000 | 2.3669 |
| Paving | 4.2000e-004 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 1.9500e-003 | 0.0138 | 0.0176 | 3.0000e-005 | | 6.6000e-004 | 6.6000e-004 | | 6.2000e-004 | 6.2000e-004 | 0.0000 | 2.3498 | 2.3498 | 6.8000e-004 | 0.0000 | 2.3669 |

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3.6 Paving - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.4000e-004 | 1.1000e-004 | 1.5300e-003 | 0.0000 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 5.0000e-005 | 0.0000 | 5.0000e-005 | 0.0000 | 0.3925 | 0.3925 | 1.0000e-005 | 1.0000e-005 | 0.3958 |
| Total | 1.4000e-004 | 1.1000e-004 | 1.5300e-003 | 0.0000 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 5.0000e-005 | 0.0000 | 5.0000e-005 | 0.0000 | 0.3925 | 0.3925 | 1.0000e-005 | 1.0000e-005 | 0.3958 |

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.0936 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 4.8000e-004 | 3.2600e-003 | 4.5300e-003 | 1.0000e-005 | | 1.8000e-004 | 1.8000e-004 | | 1.8000e-004 | 1.8000e-004 | 0.0000 | 0.6383 | 0.6383 | 4.0000e-005 | 0.0000 | 0.6393 |
| Total | 0.0941 | 3.2600e-003 | 4.5300e-003 | 1.0000e-005 | | 1.8000e-004 | 1.8000e-004 | | 1.8000e-004 | 1.8000e-004 | 0.0000 | 0.6383 | 0.6383 | 4.0000e-005 | 0.0000 | 0.6393 |

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3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.0000e-005 | 3.0000e-005 | 3.4000e-004 | 0.0000 | 1.1000e-004 | 0.0000 | 1.1000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.0872 | 0.0872 | 0.0000 | 0.0000 | 0.0880 |
| Total | 3.0000e-005 | 3.0000e-005 | 3.4000e-004 | 0.0000 | 1.1000e-004 | 0.0000 | 1.1000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.0872 | 0.0872 | 0.0000 | 0.0000 | 0.0880 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0936 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 4.8000e-004 | 3.2600e-003 | 4.5300e-003 | 1.0000e-005 | | 1.8000e-004 | 1.8000e-004 | | 1.8000e-004 | 1.8000e-004 | 0.0000 | 0.6383 | 0.6383 | 4.0000e-005 | 0.0000 | 0.6393 |
| Total | 0.0941 | 3.2600e-003 | 4.5300e-003 | 1.0000e-005 | | 1.8000e-004 | 1.8000e-004 | | 1.8000e-004 | 1.8000e-004 | 0.0000 | 0.6383 | 0.6383 | 4.0000e-005 | 0.0000 | 0.6393 |

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3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.0000e-005 | 3.0000e-005 | 3.4000e-004 | 0.0000 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0872 | 0.0872 | 0.0000 | 0.0000 | 0.0880 |
| Total | 3.0000e-005 | 3.0000e-005 | 3.4000e-004 | 0.0000 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0872 | 0.0872 | 0.0000 | 0.0000 | 0.0880 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.1795 | 0.1792 | 1.6244 | 3.3000e-003 | 0.3564 | 2.4900e-003 | 0.3589 | 0.0951 | 2.3100e-003 | 0.0974 | 0.0000 | 305.3818 | 305.3818 | 0.0237 | 0.0145 | 310.3046 |
| Unmitigated | 0.1795 | 0.1792 | 1.6244 | 3.3000e-003 | 0.3564 | 2.4900e-003 | 0.3589 | 0.0951 | 2.3100e-003 | 0.0974 | 0.0000 | 305.3818 | 305.3818 | 0.0237 | 0.0145 | 310.3046 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|-------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Office Building | 105.29 | 23.89 | 7.57 | 256,752 | 256,752 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Strip Mall | 397.11 | 376.68 | 183.05 | 691,802 | 691,802 |
| Total | 502.40 | 400.57 | 190.62 | 948,554 | 948,554 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|-------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| General Office Building | 16.60 | 8.40 | 6.90 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| Other Asphalt Surfaces | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Strip Mall | 16.60 | 8.40 | 6.90 | 16.60 | 64.40 | 19.00 | 45 | 40 | 15 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Office Building | 0.540171 | 0.064547 | 0.189075 | 0.126673 | 0.023412 | 0.006384 | 0.010926 | 0.008089 | 0.000929 | 0.000597 | 0.025155 | 0.000706 | 0.003335 |
| Other Asphalt Surfaces | 0.540171 | 0.064547 | 0.189075 | 0.126673 | 0.023412 | 0.006384 | 0.010926 | 0.008089 | 0.000929 | 0.000597 | 0.025155 | 0.000706 | 0.003335 |

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| | | | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Strip Mall | 0.540171 | 0.064547 | 0.189075 | 0.126673 | 0.023412 | 0.006384 | 0.010926 | 0.008089 | 0.000929 | 0.000597 | 0.025155 | 0.000706 | 0.003335 |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|

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 | 79.1731 | 79.1731 | 3.7800e-003 | 4.6000e-004 | 79.4038 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 79.1731 | 79.1731 | 3.7800e-003 | 4.6000e-004 | 79.4038 |
| Natural Gas Mitigated | 6.8000e-004 | 6.1800e-003 | 5.1900e-003 | 4.0000e-005 | | 4.7000e-004 | 4.7000e-004 | | 4.7000e-004 | 4.7000e-004 | 0.0000 | 6.7292 | 6.7292 | 1.3000e-004 | 1.2000e-004 | 6.7692 |
| Natural Gas Unmitigated | 6.8000e-004 | 6.1800e-003 | 5.1900e-003 | 4.0000e-005 | | 4.7000e-004 | 4.7000e-004 | | 4.7000e-004 | 4.7000e-004 | 0.0000 | 6.7292 | 6.7292 | 1.3000e-004 | 1.2000e-004 | 6.7692 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|----------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| General Office Building | 111503 | 6.0000e-004 | 5.4700e-003 | 4.5900e-003 | 3.0000e-005 | | 4.2000e-004 | 4.2000e-004 | | 4.2000e-004 | 4.2000e-004 | 0.0000 | 5.9502 | 5.9502 | 1.1000e-004 | 1.1000e-004 | 5.9856 |
| Other Asphalt Surfaces | 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 |
| Strip Mall | 14598.3 | 8.0000e-005 | 7.2000e-004 | 6.0000e-004 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.7790 | 0.7790 | 1.0000e-005 | 1.0000e-005 | 0.7837 |
| Total | | 6.8000e-004 | 6.1900e-003 | 5.1900e-003 | 3.0000e-005 | | 4.7000e-004 | 4.7000e-004 | | 4.7000e-004 | 4.7000e-004 | 0.0000 | 6.7292 | 6.7292 | 1.2000e-004 | 1.2000e-004 | 6.7692 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|----------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| General Office Building | 111503 | 6.0000e-004 | 5.4700e-003 | 4.5900e-003 | 3.0000e-005 | | 4.2000e-004 | 4.2000e-004 | | 4.2000e-004 | 4.2000e-004 | 0.0000 | 5.9502 | 5.9502 | 1.1000e-004 | 1.1000e-004 | 5.9856 |
| Other Asphalt Surfaces | 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 |
| Strip Mall | 14598.3 | 8.0000e-005 | 7.2000e-004 | 6.0000e-004 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.7790 | 0.7790 | 1.0000e-005 | 1.0000e-005 | 0.7837 |
| Total | | 6.8000e-004 | 6.1900e-003 | 5.1900e-003 | 3.0000e-005 | | 4.7000e-004 | 4.7000e-004 | | 4.7000e-004 | 4.7000e-004 | 0.0000 | 6.7292 | 6.7292 | 1.2000e-004 | 1.2000e-004 | 6.7692 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kWh/yr | MT/yr | | | |
| General Office Building | 135188 | 42.4322 | 2.0200e-003 | 2.5000e-004 | 42.5559 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Strip Mall | 117055 | 36.7408 | 1.7500e-003 | 2.1000e-004 | 36.8479 |
| Total | | 79.1731 | 3.7700e-003 | 4.6000e-004 | 79.4038 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kWh/yr | MT/yr | | | |
| General Office Building | 135188 | 42.4322 | 2.0200e-003 | 2.5000e-004 | 42.5559 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Strip Mall | 117055 | 36.7408 | 1.7500e-003 | 2.1000e-004 | 36.8479 |
| Total | | 79.1731 | 3.7700e-003 | 4.6000e-004 | 79.4038 |

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|--------|-------------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-------------|-------------|--------|--------|-------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.0818 | 0.0000 | 4.3000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 8.4000e-004 | 8.4000e-004 | 0.0000 | 0.0000 | 8.9000e-004 |
| Unmitigated | 0.0818 | 0.0000 | 4.3000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 8.4000e-004 | 8.4000e-004 | 0.0000 | 0.0000 | 8.9000e-004 |

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 | 9.3600e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0724 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 4.0000e-005 | 0.0000 | 4.3000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 8.4000e-004 | 8.4000e-004 | 0.0000 | 0.0000 | 8.9000e-004 |
| Total | 0.0818 | 0.0000 | 4.3000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 8.4000e-004 | 8.4000e-004 | 0.0000 | 0.0000 | 8.9000e-004 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|---------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 9.3600e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0724 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 4.0000e-005 | 0.0000 | 4.3000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 8.4000e-004 | 8.4000e-004 | 0.0000 | 0.0000 | 8.9000e-004 |
| Total | 0.0818 | 0.0000 | 4.3000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 8.4000e-004 | 8.4000e-004 | 0.0000 | 0.0000 | 8.9000e-004 |

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|-------------|---------|
| Category | MT/yr | | | |
| Mitigated | 16.9098 | 0.0850 | 2.0800e-003 | 19.6552 |
| Unmitigated | 16.9098 | 0.0850 | 2.0800e-003 | 19.6552 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|--------------------|----------------|---------------|--------------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| General Office Building | 1.9213 / 1.17757 | 12.5683 | 0.0632 | 1.5500e-003 | 14.6088 |
| Other Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Strip Mall | 0.66369 / 0.406778 | 4.3416 | 0.0218 | 5.3000e-004 | 5.0464 |
| Total | | 16.9098 | 0.0850 | 2.0800e-003 | 19.6552 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|--------------------|----------------|---------------|--------------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| General Office Building | 1.9213 / 1.17757 | 12.5683 | 0.0632 | 1.5500e-003 | 14.6088 |
| Other Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Strip Mall | 0.66369 / 0.406778 | 4.3416 | 0.0218 | 5.3000e-004 | 5.0464 |
| Total | | 16.9098 | 0.0850 | 2.0800e-003 | 19.6552 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|--------|
| | MT/yr | | | |
| Mitigated | 3.9502 | 0.2335 | 0.0000 | 9.7865 |
| Unmitigated | 3.9502 | 0.2335 | 0.0000 | 9.7865 |

8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|----------------|---------------|---------------|---------------|---------------|
| Land Use | tons | MT/yr | | | |
| General Office Building | 10.05 | 2.0401 | 0.1206 | 0.0000 | 5.0542 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Strip Mall | 9.41 | 1.9101 | 0.1129 | 0.0000 | 4.7323 |
| Total | | 3.9502 | 0.2335 | 0.0000 | 9.7865 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|----------------|---------------|---------------|---------------|---------------|
| Land Use | tons | MT/yr | | | |
| General Office Building | 10.05 | 2.0401 | 0.1206 | 0.0000 | 5.0542 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Strip Mall | 9.41 | 1.9101 | 0.1129 | 0.0000 | 4.7323 |
| Total | | 3.9502 | 0.2335 | 0.0000 | 9.7865 |

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Alt 3

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|-------------------------|-------|----------|-------------|--------------------|------------|
| General Office Building | 10.81 | 1000sqft | 0.08 | 10,815.00 | 0 |
| Other Asphalt Surfaces | 14.03 | 1000sqft | 0.32 | 14,025.00 | 0 |
| Strip Mall | 8.96 | 1000sqft | 0.21 | 8,956.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|---|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 33 |
| Climate Zone | 11 | | | Operational Year | 2025 |
| Utility Company | Los Angeles Department of Water & Power | | | | |
| CO2 Intensity (lb/MWhr) | 691.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant info.

Land Use - Applicant info.

Construction Phase - "Building Construction" would consist of both Barry Building improvements and new building construction.

Off-road Equipment - Applicant info.

Off-road Equipment - Applicant info.

Off-road Equipment - Applicant info.

Off-road Equipment - Applicant info.

Off-road Equipment - Applicant info.

Off-road Equipment - Applicant info.

Off-road Equipment - Applicant info.

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - Asbestos Abatement phase assumes one inbound and one outbound haul trip per workday.

Demolition - For "Asbestos Abatement" assumes that 1 CY of C&D equals 484lbs per EPA volume to weight conversion factors for waste materials (2016).

Grading - Applicant info.

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

| Table Name | Column Name | Default Value | New Value |
|------------------------|--------------------------------|---------------|--------------------------|
| tblConstDustMitigation | CleanPavedRoadPercentReduction | 0 | 80 |
| tblConstructionPhase | NumDays | 2.00 | 5.00 |
| tblLandUse | LandUseSquareFeet | 10,810.00 | 10,815.00 |
| tblLandUse | LandUseSquareFeet | 14,030.00 | 14,025.00 |
| tblLandUse | LandUseSquareFeet | 8,960.00 | 8,956.00 |
| tblLandUse | LotAcreage | 0.25 | 0.08 |
| tblOffRoadEquipment | LoadFactor | 0.38 | 0.38 |
| tblOffRoadEquipment | LoadFactor | 0.38 | 0.38 |
| tblOffRoadEquipment | LoadFactor | 0.38 | 0.38 |
| tblOffRoadEquipment | LoadFactor | 0.31 | 0.31 |
| tblOffRoadEquipment | LoadFactor | 0.37 | 0.37 |
| tblOffRoadEquipment | LoadFactor | 0.36 | 0.36 |
| tblOffRoadEquipment | OffRoadEquipmentType | | Air Compressors |
| tblOffRoadEquipment | OffRoadEquipmentType | | Generator Sets |
| tblOffRoadEquipment | OffRoadEquipmentType | | Excavators |
| tblOffRoadEquipment | OffRoadEquipmentType | | Air Compressors |
| tblOffRoadEquipment | OffRoadEquipmentType | | Generator Sets |
| tblOffRoadEquipment | OffRoadEquipmentType | | Rollers |
| tblOffRoadEquipment | OffRoadEquipmentType | | Excavators |
| tblOffRoadEquipment | OffRoadEquipmentType | | Aerial Lifts |
| tblOffRoadEquipment | OffRoadEquipmentType | | Air Compressors |
| tblOffRoadEquipment | OffRoadEquipmentType | | Cement and Mortar Mixers |
| tblOffRoadEquipment | OffRoadEquipmentType | | Concrete/Industrial Saws |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

| | | | |
|---------------------|----------------------------|-------|--------------------|
| tblOffRoadEquipment | OffRoadEquipmentType | | Generator Sets |
| tblOffRoadEquipment | OffRoadEquipmentType | | Skid Steer Loaders |
| tblOffRoadEquipment | OffRoadEquipmentType | | Welders |
| tblOffRoadEquipment | OffRoadEquipmentType | | Paving Equipment |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 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 | 1.00 |
| tblOffRoadEquipment | UsageHours | 4.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 8.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 42.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 42.00 |
| tblTripsAndVMT | HaulingTripNumber | 3.00 | 20.00 |
| tblTripsAndVMT | WorkerTripNumber | 5.00 | 20.00 |
| tblTripsAndVMT | WorkerTripNumber | 2.00 | 4.00 |

2.0 Emissions Summary

Alt 3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|---------------|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.4480 | 3.0000e-005 | 3.4400e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 7.4000e-003 | 7.4000e-003 | 2.0000e-005 | | 7.8800e-003 |
| Energy | 3.7300e-003 | 0.0339 | 0.0285 | 2.0000e-004 | | 2.5700e-003 | 2.5700e-003 | | 2.5700e-003 | 2.5700e-003 | | 40.6449 | 40.6449 | 7.8000e-004 | 7.5000e-004 | 40.8865 |
| Mobile | 1.1797 | 1.0368 | 10.2460 | 0.0216 | 2.3050 | 0.0158 | 2.3207 | 0.6140 | 0.0146 | 0.6286 | | 2,202.591 1 | 2,202.591 1 | 0.1594 | 0.0964 | 2,235.302 1 |
| Total | 1.6314 | 1.0707 | 10.2779 | 0.0218 | 2.3050 | 0.0183 | 2.3233 | 0.6140 | 0.0172 | 0.6312 | | 2,243.243 4 | 2,243.243 4 | 0.1602 | 0.0972 | 2,276.196 4 |

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 | 0.4480 | 3.0000e-005 | 3.4400e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 7.4000e-003 | 7.4000e-003 | 2.0000e-005 | | 7.8800e-003 |
| Energy | 3.7300e-003 | 0.0339 | 0.0285 | 2.0000e-004 | | 2.5700e-003 | 2.5700e-003 | | 2.5700e-003 | 2.5700e-003 | | 40.6449 | 40.6449 | 7.8000e-004 | 7.5000e-004 | 40.8865 |
| Mobile | 1.1797 | 1.0368 | 10.2460 | 0.0216 | 2.3050 | 0.0158 | 2.3207 | 0.6140 | 0.0146 | 0.6286 | | 2,202.591 1 | 2,202.591 1 | 0.1594 | 0.0964 | 2,235.302 1 |
| Total | 1.6314 | 1.0707 | 10.2779 | 0.0218 | 2.3050 | 0.0183 | 2.3233 | 0.6140 | 0.0172 | 0.6312 | | 2,243.243 4 | 2,243.243 4 | 0.1602 | 0.0972 | 2,276.196 4 |

Alt 3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 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 | Asbestos Abatement | Demolition | 1/2/2023 | 1/13/2023 | 5 | 10 | |
| 2 | Partial Demolition | Demolition | 1/16/2023 | 1/27/2023 | 5 | 10 | |
| 3 | Grading | Grading | 1/30/2023 | 2/3/2023 | 5 | 5 | |
| 4 | Building Construction | Building Construction | 2/6/2023 | 6/23/2023 | 5 | 100 | |
| 5 | Paving | Paving | 6/26/2023 | 6/30/2023 | 5 | 5 | |
| 6 | Architectural Coating | Architectural Coating | 7/3/2023 | 7/7/2023 | 5 | 5 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2.5

Acres of Paving: 0.32

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 29,657; Non-Residential Outdoor: 9,886; Striped Parking Area: 842 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|--------------------|---------------------------|--------|-------------|-------------|-------------|
| Asbestos Abatement | Air Compressors | 1 | 8.00 | 78 | 0.48 |
| Asbestos Abatement | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Asbestos Abatement | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Asbestos Abatement | Rubber Tired Dozers | 0 | 1.00 | 247 | 0.40 |
| Asbestos Abatement | Tractors/Loaders/Backhoes | 0 | 6.00 | 97 | 0.37 |

Alt 3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

| | | | | | |
|-----------------------|---------------------------|---|------|-----|------|
| Partial Demolition | Excavators | 1 | 8.00 | 158 | 0.38 |
| Partial Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Partial Demolition | Air Compressors | 1 | 8.00 | 78 | 0.48 |
| Partial Demolition | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Partial Demolition | Rubber Tired Dozers | 0 | 1.00 | 247 | 0.40 |
| Partial Demolition | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Grading | Rollers | 1 | 8.00 | 80 | 0.38 |
| Grading | Excavators | 1 | 8.00 | 158 | 0.38 |
| Building Construction | Aerial Lifts | 1 | 8.00 | 63 | 0.31 |
| Building Construction | Air Compressors | 2 | 8.00 | 78 | 0.48 |
| Building Construction | Cement and Mortar Mixers | 1 | 8.00 | 9 | 0.56 |
| Building Construction | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Skid Steer Loaders | 1 | 8.00 | 65 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Paving | Paving Equipment | | | 132 | 0.36 |
| Grading | Graders | 0 | 6.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 2 | 8.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 8.00 | 89 | 0.20 |
| Building Construction | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Paving | Cement and Mortar Mixers | 4 | 6.00 | 9 | 0.56 |
| Paving | Pavers | 1 | 7.00 | 130 | 0.42 |
| Paving | Rollers | 1 | 7.00 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

Trips and VMT

Alt 3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

| 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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Asbestos Abatement | 2 | 20.00 | 0.00 | 20.00 | 14.70 | 6.90 | 42.00 | LD_Mix | HDT_Mix | HHDT |
| Partial Demolition | 5 | 13.00 | 0.00 | 23.00 | 14.70 | 6.90 | 42.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 4 | 10.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 12 | 12.00 | 6.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 7 | 18.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 4.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Asbestos Abatement - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.0674 | 0.0000 | 0.0674 | 0.0102 | 0.0000 | 0.0102 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.5614 | 4.4529 | 6.0842 | 0.0105 | | 0.2227 | 0.2227 | | 0.2227 | 0.2227 | | 998.2986 | 998.2986 | 0.0499 | | 999.5451 |
| Total | 0.5614 | 4.4529 | 6.0842 | 0.0105 | 0.0674 | 0.2227 | 0.2901 | 0.0102 | 0.2227 | 0.2329 | | 998.2986 | 998.2986 | 0.0499 | | 999.5451 |

Alt 3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Asbestos Abatement - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 6.7400e-003 | 0.5085 | 0.1135 | 2.4000e-003 | 0.0735 | 3.4300e-003 | 0.0769 | 0.0201 | 3.2900e-003 | 0.0234 | | 263.7753 | 263.7753 | 0.0147 | 0.0419 | 276.6265 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0640 | 0.0446 | 0.7228 | 1.9800e-003 | 0.2236 | 1.3400e-003 | 0.2249 | 0.0593 | 1.2400e-003 | 0.0605 | | 200.0151 | 200.0151 | 5.0400e-003 | 4.6200e-003 | 201.5167 |
| Total | 0.0707 | 0.5531 | 0.8363 | 4.3800e-003 | 0.2970 | 4.7700e-003 | 0.3018 | 0.0794 | 4.5300e-003 | 0.0840 | | 463.7904 | 463.7904 | 0.0197 | 0.0465 | 478.1432 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 0.0303 | 0.0000 | 0.0303 | 4.5900e-003 | 0.0000 | 4.5900e-003 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.5614 | 4.4529 | 6.0842 | 0.0105 | | 0.2227 | 0.2227 | | 0.2227 | 0.2227 | 0.0000 | 998.2986 | 998.2986 | 0.0499 | | 999.5451 |
| Total | 0.5614 | 4.4529 | 6.0842 | 0.0105 | 0.0303 | 0.2227 | 0.2530 | 4.5900e-003 | 0.2227 | 0.2273 | 0.0000 | 998.2986 | 998.2986 | 0.0499 | | 999.5451 |

Alt 3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Asbestos Abatement - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 6.7400e-003 | 0.5085 | 0.1135 | 2.4000e-003 | 0.0291 | 3.4300e-003 | 0.0325 | 9.2400e-003 | 3.2900e-003 | 0.0125 | | 263.7753 | 263.7753 | 0.0147 | 0.0419 | 276.6265 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0640 | 0.0446 | 0.7228 | 1.9800e-003 | 0.0681 | 1.3400e-003 | 0.0694 | 0.0211 | 1.2400e-003 | 0.0224 | | 200.0151 | 200.0151 | 5.0400e-003 | 4.6200e-003 | 201.5167 |
| Total | 0.0707 | 0.5531 | 0.8363 | 4.3800e-003 | 0.0971 | 4.7700e-003 | 0.1019 | 0.0304 | 4.5300e-003 | 0.0349 | | 463.7904 | 463.7904 | 0.0197 | 0.0465 | 478.1432 |

3.3 Partial Demolition - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.4922 | 0.0000 | 0.4922 | 0.0745 | 0.0000 | 0.0745 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.2361 | 10.1292 | 15.2469 | 0.0251 | | 0.5030 | 0.5030 | | 0.4908 | 0.4908 | | 2,395.1470 | 2,395.1470 | 0.3392 | | 2,403.6257 |
| Total | 1.2361 | 10.1292 | 15.2469 | 0.0251 | 0.4922 | 0.5030 | 0.9952 | 0.0745 | 0.4908 | 0.5653 | | 2,395.1470 | 2,395.1470 | 0.3392 | | 2,403.6257 |

Alt 3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Partial Demolition - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 7.7500e-003 | 0.5847 | 0.1305 | 2.7600e-003 | 0.0845 | 3.9500e-003 | 0.0884 | 0.0232 | 3.7800e-003 | 0.0269 | | 303.3416 | 303.3416 | 0.0169 | 0.0482 | 318.1205 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.0290 | 0.4698 | 1.2900e-003 | 0.1453 | 8.7000e-004 | 0.1462 | 0.0385 | 8.0000e-004 | 0.0393 | | 130.0098 | 130.0098 | 3.2800e-003 | 3.0000e-003 | 130.9859 |
| Total | 0.0494 | 0.6137 | 0.6003 | 4.0500e-003 | 0.2298 | 4.8200e-003 | 0.2346 | 0.0617 | 4.5800e-003 | 0.0663 | | 433.3514 | 433.3514 | 0.0202 | 0.0512 | 449.1063 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 0.2215 | 0.0000 | 0.2215 | 0.0335 | 0.0000 | 0.0335 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.2361 | 10.1292 | 15.2469 | 0.0251 | | 0.5030 | 0.5030 | | 0.4908 | 0.4908 | 0.0000 | 2,395.1470 | 2,395.1470 | 0.3392 | | 2,403.6257 |
| Total | 1.2361 | 10.1292 | 15.2469 | 0.0251 | 0.2215 | 0.5030 | 0.7245 | 0.0335 | 0.4908 | 0.5243 | 0.0000 | 2,395.1470 | 2,395.1470 | 0.3392 | | 2,403.6257 |

Alt 3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Partial Demolition - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 7.7500e-003 | 0.5847 | 0.1305 | 2.7600e-003 | 0.0334 | 3.9500e-003 | 0.0374 | 0.0106 | 3.7800e-003 | 0.0144 | | 303.3416 | 303.3416 | 0.0169 | 0.0482 | 318.1205 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.0290 | 0.4698 | 1.2900e-003 | 0.0443 | 8.7000e-004 | 0.0451 | 0.0137 | 8.0000e-004 | 0.0145 | | 130.0098 | 130.0098 | 3.2800e-003 | 3.0000e-003 | 130.9859 |
| Total | 0.0494 | 0.6137 | 0.6003 | 4.0500e-003 | 0.0777 | 4.8200e-003 | 0.0825 | 0.0244 | 4.5800e-003 | 0.0289 | | 433.3514 | 433.3514 | 0.0202 | 0.0512 | 449.1063 |

3.4 Grading - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 6.5523 | 0.0000 | 6.5523 | 3.3675 | 0.0000 | 3.3675 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.1774 | 11.8090 | 10.4406 | 0.0194 | | 0.5604 | 0.5604 | | 0.5156 | 0.5156 | | 1,882.0813 | 1,882.0813 | 0.6087 | | 1,897.2988 |
| Total | 1.1774 | 11.8090 | 10.4406 | 0.0194 | 6.5523 | 0.5604 | 7.1127 | 3.3675 | 0.5156 | 3.8830 | | 1,882.0813 | 1,882.0813 | 0.6087 | | 1,897.2988 |

Alt 3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0320 | 0.0223 | 0.3614 | 9.9000e-004 | 0.1118 | 6.7000e-004 | 0.1125 | 0.0296 | 6.2000e-004 | 0.0303 | | 100.0075 | 100.0075 | 2.5200e-003 | 2.3100e-003 | 100.7583 |
| Total | 0.0320 | 0.0223 | 0.3614 | 9.9000e-004 | 0.1118 | 6.7000e-004 | 0.1125 | 0.0296 | 6.2000e-004 | 0.0303 | | 100.0075 | 100.0075 | 2.5200e-003 | 2.3100e-003 | 100.7583 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 2.9486 | 0.0000 | 2.9486 | 1.5154 | 0.0000 | 1.5154 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.1774 | 11.8090 | 10.4406 | 0.0194 | | 0.5604 | 0.5604 | | 0.5156 | 0.5156 | 0.0000 | 1,882.0813 | 1,882.0813 | 0.6087 | | 1,897.2988 |
| Total | 1.1774 | 11.8090 | 10.4406 | 0.0194 | 2.9486 | 0.5604 | 3.5089 | 1.5154 | 0.5156 | 2.0309 | 0.0000 | 1,882.0813 | 1,882.0813 | 0.6087 | | 1,897.2988 |

Alt 3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0320 | 0.0223 | 0.3614 | 9.9000e-004 | 0.0340 | 6.7000e-004 | 0.0347 | 0.0106 | 6.2000e-004 | 0.0112 | | 100.0075 | 100.0075 | 2.5200e-003 | 2.3100e-003 | 100.7583 |
| Total | 0.0320 | 0.0223 | 0.3614 | 9.9000e-004 | 0.0340 | 6.7000e-004 | 0.0347 | 0.0106 | 6.2000e-004 | 0.0112 | | 100.0075 | 100.0075 | 2.5200e-003 | 2.3100e-003 | 100.7583 |

3.5 Building Construction - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.4711 | 21.5049 | 22.5665 | 0.0424 | | 0.9904 | 0.9904 | | 0.9524 | 0.9524 | | 3,999.2716 | 3,999.2716 | 0.7035 | | 4,016.8586 |
| Total | 2.4711 | 21.5049 | 22.5665 | 0.0424 | | 0.9904 | 0.9904 | | 0.9524 | 0.9524 | | 3,999.2716 | 3,999.2716 | 0.7035 | | 4,016.8586 |

Alt 3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 6.9100e-003 | 0.2303 | 0.0892 | 1.1200e-003 | 0.0384 | 1.1600e-003 | 0.0396 | 0.0111 | 1.1100e-003 | 0.0122 | | 120.1695 | 120.1695 | 4.0300e-003 | 0.0173 | 125.4187 |
| Worker | 0.0384 | 0.0268 | 0.4337 | 1.1900e-003 | 0.1341 | 8.1000e-004 | 0.1349 | 0.0356 | 7.4000e-004 | 0.0363 | | 120.0090 | 120.0090 | 3.0300e-003 | 2.7700e-003 | 120.9100 |
| Total | 0.0453 | 0.2571 | 0.5229 | 2.3100e-003 | 0.1726 | 1.9700e-003 | 0.1745 | 0.0466 | 1.8500e-003 | 0.0485 | | 240.1785 | 240.1785 | 7.0600e-003 | 0.0201 | 246.3287 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 2.4711 | 21.5049 | 22.5665 | 0.0424 | | 0.9904 | 0.9904 | | 0.9524 | 0.9524 | 0.0000 | 3,999.2716 | 3,999.2716 | 0.7035 | | 4,016.8586 |
| Total | 2.4711 | 21.5049 | 22.5665 | 0.0424 | | 0.9904 | 0.9904 | | 0.9524 | 0.9524 | 0.0000 | 3,999.2716 | 3,999.2716 | 0.7035 | | 4,016.8586 |

Alt 3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 6.9100e-003 | 0.2303 | 0.0892 | 1.1200e-003 | 0.0165 | 1.1600e-003 | 0.0177 | 5.6900e-003 | 1.1100e-003 | 6.8000e-003 | | 120.1695 | 120.1695 | 4.0300e-003 | 0.0173 | 125.4187 |
| Worker | 0.0384 | 0.0268 | 0.4337 | 1.1900e-003 | 0.0408 | 8.1000e-004 | 0.0417 | 0.0127 | 7.4000e-004 | 0.0134 | | 120.0090 | 120.0090 | 3.0300e-003 | 2.7700e-003 | 120.9100 |
| Total | 0.0453 | 0.2571 | 0.5229 | 2.3100e-003 | 0.0574 | 1.9700e-003 | 0.0594 | 0.0184 | 1.8500e-003 | 0.0202 | | 240.1785 | 240.1785 | 7.0600e-003 | 0.0201 | 246.3287 |

3.6 Paving - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.6112 | 5.5046 | 7.0209 | 0.0113 | | 0.2643 | 0.2643 | | 0.2466 | 0.2466 | | 1,036.0878 | 1,036.0878 | 0.3018 | | 1,043.6331 |
| Paving | 0.1677 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.7788 | 5.5046 | 7.0209 | 0.0113 | | 0.2643 | 0.2643 | | 0.2466 | 0.2466 | | 1,036.0878 | 1,036.0878 | 0.3018 | | 1,043.6331 |

Alt 3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0576 | 0.0402 | 0.6505 | 1.7800e-003 | 0.2012 | 1.2100e-003 | 0.2024 | 0.0534 | 1.1100e-003 | 0.0545 | | 180.0136 | 180.0136 | 4.5400e-003 | 4.1500e-003 | 181.3650 |
| Total | 0.0576 | 0.0402 | 0.6505 | 1.7800e-003 | 0.2012 | 1.2100e-003 | 0.2024 | 0.0534 | 1.1100e-003 | 0.0545 | | 180.0136 | 180.0136 | 4.5400e-003 | 4.1500e-003 | 181.3650 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.6112 | 5.5046 | 7.0209 | 0.0113 | | 0.2643 | 0.2643 | | 0.2466 | 0.2466 | 0.0000 | 1,036.0878 | 1,036.0878 | 0.3018 | | 1,043.6331 |
| Paving | 0.1677 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.7788 | 5.5046 | 7.0209 | 0.0113 | | 0.2643 | 0.2643 | | 0.2466 | 0.2466 | 0.0000 | 1,036.0878 | 1,036.0878 | 0.3018 | | 1,043.6331 |

Alt 3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0576 | 0.0402 | 0.6505 | 1.7800e-003 | 0.0613 | 1.2100e-003 | 0.0625 | 0.0190 | 1.1100e-003 | 0.0201 | | 180.0136 | 180.0136 | 4.5400e-003 | 4.1500e-003 | 181.3650 |
| Total | 0.0576 | 0.0402 | 0.6505 | 1.7800e-003 | 0.0613 | 1.2100e-003 | 0.0625 | 0.0190 | 1.1100e-003 | 0.0201 | | 180.0136 | 180.0136 | 4.5400e-003 | 4.1500e-003 | 181.3650 |

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 37.4369 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1917 | 1.3030 | 1.8111 | 2.9700e-003 | | 0.0708 | 0.0708 | | 0.0708 | 0.0708 | | 281.4481 | 281.4481 | 0.0168 | | 281.8690 |
| Total | 37.6286 | 1.3030 | 1.8111 | 2.9700e-003 | | 0.0708 | 0.0708 | | 0.0708 | 0.0708 | | 281.4481 | 281.4481 | 0.0168 | | 281.8690 |

Alt 3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0128 | 8.9200e-003 | 0.1446 | 4.0000e-004 | 0.0447 | 2.7000e-004 | 0.0450 | 0.0119 | 2.5000e-004 | 0.0121 | | 40.0030 | 40.0030 | 1.0100e-003 | 9.2000e-004 | 40.3033 |
| Total | 0.0128 | 8.9200e-003 | 0.1446 | 4.0000e-004 | 0.0447 | 2.7000e-004 | 0.0450 | 0.0119 | 2.5000e-004 | 0.0121 | | 40.0030 | 40.0030 | 1.0100e-003 | 9.2000e-004 | 40.3033 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 37.4369 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1917 | 1.3030 | 1.8111 | 2.9700e-003 | | 0.0708 | 0.0708 | | 0.0708 | 0.0708 | 0.0000 | 281.4481 | 281.4481 | 0.0168 | | 281.8690 |
| Total | 37.6286 | 1.3030 | 1.8111 | 2.9700e-003 | | 0.0708 | 0.0708 | | 0.0708 | 0.0708 | 0.0000 | 281.4481 | 281.4481 | 0.0168 | | 281.8690 |

Alt 3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0128 | 8.9200e-003 | 0.1446 | 4.0000e-004 | 0.0136 | 2.7000e-004 | 0.0139 | 4.2200e-003 | 2.5000e-004 | 4.4700e-003 | | 40.0030 | 40.0030 | 1.0100e-003 | 9.2000e-004 | 40.3033 |
| Total | 0.0128 | 8.9200e-003 | 0.1446 | 4.0000e-004 | 0.0136 | 2.7000e-004 | 0.0139 | 4.2200e-003 | 2.5000e-004 | 4.4700e-003 | | 40.0030 | 40.0030 | 1.0100e-003 | 9.2000e-004 | 40.3033 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Alt 3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------------|----------------|--------|--------|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 1.1797 | 1.0368 | 10.2460 | 0.0216 | 2.3050 | 0.0158 | 2.3207 | 0.6140 | 0.0146 | 0.6286 | | 2,202.591 1 | 2,202.591 1 | 0.1594 | 0.0964 | 2,235.302 1 |
| Unmitigated | 1.1797 | 1.0368 | 10.2460 | 0.0216 | 2.3050 | 0.0158 | 2.3207 | 0.6140 | 0.0146 | 0.6286 | | 2,202.591 1 | 2,202.591 1 | 0.1594 | 0.0964 | 2,235.302 1 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|-------------------------|-------------------------|---------------|---------------|----------------|----------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Office Building | 105.29 | 23.89 | 7.57 | 256,752 | 256,752 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Strip Mall | 397.11 | 376.68 | 183.05 | 691,802 | 691,802 |
| Total | 502.40 | 400.57 | 190.62 | 948,554 | 948,554 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|-------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| General Office Building | 16.60 | 8.40 | 6.90 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| Other Asphalt Surfaces | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Strip Mall | 16.60 | 8.40 | 6.90 | 16.60 | 64.40 | 19.00 | 45 | 40 | 15 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Office Building | 0.540171 | 0.064547 | 0.189075 | 0.126673 | 0.023412 | 0.006384 | 0.010926 | 0.008089 | 0.000929 | 0.000597 | 0.025155 | 0.000706 | 0.003335 |
| Other Asphalt Surfaces | 0.540171 | 0.064547 | 0.189075 | 0.126673 | 0.023412 | 0.006384 | 0.010926 | 0.008089 | 0.000929 | 0.000597 | 0.025155 | 0.000706 | 0.003335 |

Alt 3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

| | | | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Strip Mall | 0.540171 | 0.064547 | 0.189075 | 0.126673 | 0.023412 | 0.006384 | 0.010926 | 0.008089 | 0.000929 | 0.000597 | 0.025155 | 0.000706 | 0.003335 |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|

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 | 3.7300e-003 | 0.0339 | 0.0285 | 2.0000e-004 | | 2.5700e-003 | 2.5700e-003 | | 2.5700e-003 | 2.5700e-003 | | 40.6449 | 40.6449 | 7.8000e-004 | 7.5000e-004 | 40.8865 |
| NaturalGas Unmitigated | 3.7300e-003 | 0.0339 | 0.0285 | 2.0000e-004 | | 2.5700e-003 | 2.5700e-003 | | 2.5700e-003 | 2.5700e-003 | | 40.6449 | 40.6449 | 7.8000e-004 | 7.5000e-004 | 40.8865 |

Alt 3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Office Building | 305.487 | 3.2900e-003 | 0.0300 | 0.0252 | 1.8000e-004 | | 2.2800e-003 | 2.2800e-003 | | 2.2800e-003 | 2.2800e-003 | | 35.9396 | 35.9396 | 6.9000e-004 | 6.6000e-004 | 36.1532 |
| Other Asphalt Surfaces | 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 |
| Strip Mall | 39.9953 | 4.3000e-004 | 3.9200e-003 | 3.2900e-003 | 2.0000e-005 | | 3.0000e-004 | 3.0000e-004 | | 3.0000e-004 | 3.0000e-004 | | 4.7053 | 4.7053 | 9.0000e-005 | 9.0000e-005 | 4.7333 |
| Total | | 3.7200e-003 | 0.0339 | 0.0285 | 2.0000e-004 | | 2.5800e-003 | 2.5800e-003 | | 2.5800e-003 | 2.5800e-003 | | 40.6449 | 40.6449 | 7.8000e-004 | 7.5000e-004 | 40.8865 |

Alt 3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|-------------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|-----------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | | |
| General Office Building | 0.305487 | 3.2900e-003 | 0.0300 | 0.0252 | 1.8000e-004 | | 2.2800e-003 | 2.2800e-003 | | 2.2800e-003 | 2.2800e-003 | | | 35.9396 | 35.9396 | 6.9000e-004 | 6.6000e-004 | 36.1532 |
| Other Asphalt Surfaces | 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 |
| Strip Mall | 0.0399953 | 4.3000e-004 | 3.9200e-003 | 3.2900e-003 | 2.0000e-005 | | 3.0000e-004 | 3.0000e-004 | | 3.0000e-004 | 3.0000e-004 | | | 4.7053 | 4.7053 | 9.0000e-005 | 9.0000e-005 | 4.7333 |
| Total | | 3.7200e-003 | 0.0339 | 0.0285 | 2.0000e-004 | | 2.5800e-003 | 2.5800e-003 | | 2.5800e-003 | 2.5800e-003 | | | 40.6449 | 40.6449 | 7.8000e-004 | 7.5000e-004 | 40.8865 |

6.0 Area Detail

6.1 Mitigation Measures Area

Alt 3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|-------------|-------------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-------------|-------------|-------------|-----|-------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.4480 | 3.0000e-005 | 3.4400e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 7.4000e-003 | 7.4000e-003 | 2.0000e-005 | | 7.8800e-003 |
| Unmitigated | 0.4480 | 3.0000e-005 | 3.4400e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 7.4000e-003 | 7.4000e-003 | 2.0000e-005 | | 7.8800e-003 |

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 | 0.0513 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.3964 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 3.2000e-004 | 3.0000e-005 | 3.4400e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 7.4000e-003 | 7.4000e-003 | 2.0000e-005 | | 7.8800e-003 |
| Total | 0.4480 | 3.0000e-005 | 3.4400e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 7.4000e-003 | 7.4000e-003 | 2.0000e-005 | | 7.8800e-003 |

Alt 3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|-----------|--------------------|--------------------|--------------------|--------------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0513 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.3964 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 3.2000e-004 | 3.0000e-005 | 3.4400e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | | 7.4000e-003 | 7.4000e-003 | 2.0000e-005 | 7.8800e-003 |
| Total | 0.4480 | 3.0000e-005 | 3.4400e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | | 7.4000e-003 | 7.4000e-003 | 2.0000e-005 | 7.8800e-003 |

7.0 Water Detail

7.1 Mitigation Measures Water

Alt 3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Alt 3

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|-------------------------|-------|----------|-------------|--------------------|------------|
| General Office Building | 10.81 | 1000sqft | 0.08 | 10,815.00 | 0 |
| Other Asphalt Surfaces | 14.03 | 1000sqft | 0.32 | 14,025.00 | 0 |
| Strip Mall | 8.96 | 1000sqft | 0.21 | 8,956.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|---|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 33 |
| Climate Zone | 11 | | | Operational Year | 2025 |
| Utility Company | Los Angeles Department of Water & Power | | | | |
| CO2 Intensity (lb/MWhr) | 691.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant info.

Land Use - Applicant info.

Construction Phase - "Building Construction" would consist of both Barry Building improvements and new building construction.

Off-road Equipment - Applicant info.

Off-road Equipment - Applicant info.

Off-road Equipment - Applicant info.

Off-road Equipment - Applicant info.

Off-road Equipment - Applicant info.

Off-road Equipment - Applicant info.

Off-road Equipment - Applicant info.

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - Asbestos Abatement phase assumes one inbound and one outbound haul trip per workday.

Demolition - For "Asbestos Abatement" assumes that 1 CY of C&D equals 484lbs per EPA volume to weight conversion factors for waste materials (2016).

Grading - Applicant info.

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

| Table Name | Column Name | Default Value | New Value |
|------------------------|--------------------------------|---------------|--------------------------|
| tblConstDustMitigation | CleanPavedRoadPercentReduction | 0 | 80 |
| tblConstructionPhase | NumDays | 2.00 | 5.00 |
| tblLandUse | LandUseSquareFeet | 10,810.00 | 10,815.00 |
| tblLandUse | LandUseSquareFeet | 14,030.00 | 14,025.00 |
| tblLandUse | LandUseSquareFeet | 8,960.00 | 8,956.00 |
| tblLandUse | LotAcreage | 0.25 | 0.08 |
| tblOffRoadEquipment | LoadFactor | 0.38 | 0.38 |
| tblOffRoadEquipment | LoadFactor | 0.38 | 0.38 |
| tblOffRoadEquipment | LoadFactor | 0.38 | 0.38 |
| tblOffRoadEquipment | LoadFactor | 0.31 | 0.31 |
| tblOffRoadEquipment | LoadFactor | 0.37 | 0.37 |
| tblOffRoadEquipment | LoadFactor | 0.36 | 0.36 |
| tblOffRoadEquipment | OffRoadEquipmentType | | Air Compressors |
| tblOffRoadEquipment | OffRoadEquipmentType | | Generator Sets |
| tblOffRoadEquipment | OffRoadEquipmentType | | Excavators |
| tblOffRoadEquipment | OffRoadEquipmentType | | Air Compressors |
| tblOffRoadEquipment | OffRoadEquipmentType | | Generator Sets |
| tblOffRoadEquipment | OffRoadEquipmentType | | Rollers |
| tblOffRoadEquipment | OffRoadEquipmentType | | Excavators |
| tblOffRoadEquipment | OffRoadEquipmentType | | Aerial Lifts |
| tblOffRoadEquipment | OffRoadEquipmentType | | Air Compressors |
| tblOffRoadEquipment | OffRoadEquipmentType | | Cement and Mortar Mixers |
| tblOffRoadEquipment | OffRoadEquipmentType | | Concrete/Industrial Saws |

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

| | | | |
|---------------------|----------------------------|-------|--------------------|
| tblOffRoadEquipment | OffRoadEquipmentType | | Generator Sets |
| tblOffRoadEquipment | OffRoadEquipmentType | | Skid Steer Loaders |
| tblOffRoadEquipment | OffRoadEquipmentType | | Welders |
| tblOffRoadEquipment | OffRoadEquipmentType | | Paving Equipment |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 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 | 1.00 |
| tblOffRoadEquipment | UsageHours | 4.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 8.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 42.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 42.00 |
| tblTripsAndVMT | HaulingTripNumber | 3.00 | 20.00 |
| tblTripsAndVMT | WorkerTripNumber | 5.00 | 20.00 |
| tblTripsAndVMT | WorkerTripNumber | 2.00 | 4.00 |

2.0 Emissions Summary

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.4480 | 3.0000e-005 | 3.4400e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 7.4000e-003 | 7.4000e-003 | 2.0000e-005 | | 7.8800e-003 |
| Energy | 3.7300e-003 | 0.0339 | 0.0285 | 2.0000e-004 | | 2.5700e-003 | 2.5700e-003 | | 2.5700e-003 | 2.5700e-003 | | 40.6449 | 40.6449 | 7.8000e-004 | 7.5000e-004 | 40.8865 |
| Mobile | 1.1507 | 1.1192 | 10.2041 | 0.0207 | 2.3050 | 0.0158 | 2.3207 | 0.6140 | 0.0146 | 0.6286 | | 2,111.4498 | 2,111.4498 | 0.1656 | 0.1007 | 2,145.6081 |
| Total | 1.6025 | 1.1531 | 10.2360 | 0.0209 | 2.3050 | 0.0184 | 2.3233 | 0.6140 | 0.0172 | 0.6312 | | 2,152.1022 | 2,152.1022 | 0.1664 | 0.1015 | 2,186.5024 |

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 | 0.4480 | 3.0000e-005 | 3.4400e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 7.4000e-003 | 7.4000e-003 | 2.0000e-005 | | 7.8800e-003 |
| Energy | 3.7300e-003 | 0.0339 | 0.0285 | 2.0000e-004 | | 2.5700e-003 | 2.5700e-003 | | 2.5700e-003 | 2.5700e-003 | | 40.6449 | 40.6449 | 7.8000e-004 | 7.5000e-004 | 40.8865 |
| Mobile | 1.1507 | 1.1192 | 10.2041 | 0.0207 | 2.3050 | 0.0158 | 2.3207 | 0.6140 | 0.0146 | 0.6286 | | 2,111.4498 | 2,111.4498 | 0.1656 | 0.1007 | 2,145.6081 |
| Total | 1.6025 | 1.1531 | 10.2360 | 0.0209 | 2.3050 | 0.0184 | 2.3233 | 0.6140 | 0.0172 | 0.6312 | | 2,152.1022 | 2,152.1022 | 0.1664 | 0.1015 | 2,186.5024 |

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 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 | Asbestos Abatement | Demolition | 1/2/2023 | 1/13/2023 | 5 | 10 | |
| 2 | Partial Demolition | Demolition | 1/16/2023 | 1/27/2023 | 5 | 10 | |
| 3 | Grading | Grading | 1/30/2023 | 2/3/2023 | 5 | 5 | |
| 4 | Building Construction | Building Construction | 2/6/2023 | 6/23/2023 | 5 | 100 | |
| 5 | Paving | Paving | 6/26/2023 | 6/30/2023 | 5 | 5 | |
| 6 | Architectural Coating | Architectural Coating | 7/3/2023 | 7/7/2023 | 5 | 5 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2.5

Acres of Paving: 0.32

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 29,657; Non-Residential Outdoor: 9,886; Striped Parking Area: 842 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|--------------------|---------------------------|--------|-------------|-------------|-------------|
| Asbestos Abatement | Air Compressors | 1 | 8.00 | 78 | 0.48 |
| Asbestos Abatement | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Asbestos Abatement | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Asbestos Abatement | Rubber Tired Dozers | 0 | 1.00 | 247 | 0.40 |
| Asbestos Abatement | Tractors/Loaders/Backhoes | 0 | 6.00 | 97 | 0.37 |

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

| | | | | | |
|-----------------------|---------------------------|---|------|-----|------|
| Partial Demolition | Excavators | 1 | 8.00 | 158 | 0.38 |
| Partial Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Partial Demolition | Air Compressors | 1 | 8.00 | 78 | 0.48 |
| Partial Demolition | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Partial Demolition | Rubber Tired Dozers | 0 | 1.00 | 247 | 0.40 |
| Partial Demolition | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Grading | Rollers | 1 | 8.00 | 80 | 0.38 |
| Grading | Excavators | 1 | 8.00 | 158 | 0.38 |
| Building Construction | Aerial Lifts | 1 | 8.00 | 63 | 0.31 |
| Building Construction | Air Compressors | 2 | 8.00 | 78 | 0.48 |
| Building Construction | Cement and Mortar Mixers | 1 | 8.00 | 9 | 0.56 |
| Building Construction | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Skid Steer Loaders | 1 | 8.00 | 65 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Paving | Paving Equipment | | | 132 | 0.36 |
| Grading | Graders | 0 | 6.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 2 | 8.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 8.00 | 89 | 0.20 |
| Building Construction | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Paving | Cement and Mortar Mixers | 4 | 6.00 | 9 | 0.56 |
| Paving | Pavers | 1 | 7.00 | 130 | 0.42 |
| Paving | Rollers | 1 | 7.00 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

Trips and VMT

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

| 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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Asbestos Abatement | 2 | 20.00 | 0.00 | 20.00 | 14.70 | 6.90 | 42.00 | LD_Mix | HDT_Mix | HHDT |
| Partial Demolition | 5 | 13.00 | 0.00 | 23.00 | 14.70 | 6.90 | 42.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 4 | 10.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 12 | 12.00 | 6.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 7 | 18.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 4.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Asbestos Abatement - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.0674 | 0.0000 | 0.0674 | 0.0102 | 0.0000 | 0.0102 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.5614 | 4.4529 | 6.0842 | 0.0105 | | 0.2227 | 0.2227 | | 0.2227 | 0.2227 | | 998.2986 | 998.2986 | 0.0499 | | 999.5451 |
| Total | 0.5614 | 4.4529 | 6.0842 | 0.0105 | 0.0674 | 0.2227 | 0.2901 | 0.0102 | 0.2227 | 0.2329 | | 998.2986 | 998.2986 | 0.0499 | | 999.5451 |

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Asbestos Abatement - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 6.4600e-003 | 0.5296 | 0.1144 | 2.4000e-003 | 0.0735 | 3.4400e-003 | 0.0769 | 0.0201 | 3.2900e-003 | 0.0234 | | 263.9107 | 263.9107 | 0.0147 | 0.0419 | 276.7683 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0688 | 0.0493 | 0.6644 | 1.8700e-003 | 0.2236 | 1.3400e-003 | 0.2249 | 0.0593 | 1.2400e-003 | 0.0605 | | 189.4707 | 189.4707 | 5.1100e-003 | 4.9300e-003 | 191.0678 |
| Total | 0.0752 | 0.5789 | 0.7788 | 4.2700e-003 | 0.2970 | 4.7800e-003 | 0.3018 | 0.0794 | 4.5300e-003 | 0.0840 | | 453.3814 | 453.3814 | 0.0198 | 0.0468 | 467.8361 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 0.0303 | 0.0000 | 0.0303 | 4.5900e-003 | 0.0000 | 4.5900e-003 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.5614 | 4.4529 | 6.0842 | 0.0105 | | 0.2227 | 0.2227 | | 0.2227 | 0.2227 | 0.0000 | 998.2986 | 998.2986 | 0.0499 | | 999.5451 |
| Total | 0.5614 | 4.4529 | 6.0842 | 0.0105 | 0.0303 | 0.2227 | 0.2530 | 4.5900e-003 | 0.2227 | 0.2273 | 0.0000 | 998.2986 | 998.2986 | 0.0499 | | 999.5451 |

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Asbestos Abatement - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 6.4600e-003 | 0.5296 | 0.1144 | 2.4000e-003 | 0.0291 | 3.4400e-003 | 0.0325 | 9.2400e-003 | 3.2900e-003 | 0.0125 | | 263.9107 | 263.9107 | 0.0147 | 0.0419 | 276.7683 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0688 | 0.0493 | 0.6644 | 1.8700e-003 | 0.0681 | 1.3400e-003 | 0.0694 | 0.0211 | 1.2400e-003 | 0.0224 | | 189.4707 | 189.4707 | 5.1100e-003 | 4.9300e-003 | 191.0678 |
| Total | 0.0752 | 0.5789 | 0.7788 | 4.2700e-003 | 0.0971 | 4.7800e-003 | 0.1019 | 0.0304 | 4.5300e-003 | 0.0349 | | 453.3814 | 453.3814 | 0.0198 | 0.0468 | 467.8361 |

3.3 Partial Demolition - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.4922 | 0.0000 | 0.4922 | 0.0745 | 0.0000 | 0.0745 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.2361 | 10.1292 | 15.2469 | 0.0251 | | 0.5030 | 0.5030 | | 0.4908 | 0.4908 | | 2,395.1470 | 2,395.1470 | 0.3392 | | 2,403.6257 |
| Total | 1.2361 | 10.1292 | 15.2469 | 0.0251 | 0.4922 | 0.5030 | 0.9952 | 0.0745 | 0.4908 | 0.5653 | | 2,395.1470 | 2,395.1470 | 0.3392 | | 2,403.6257 |

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Partial Demolition - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 7.4300e-003 | 0.6091 | 0.1315 | 2.7600e-003 | 0.0845 | 3.9500e-003 | 0.0885 | 0.0232 | 3.7800e-003 | 0.0269 | | 303.4973 | 303.4973 | 0.0169 | 0.0482 | 318.2835 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0447 | 0.0320 | 0.4318 | 1.2200e-003 | 0.1453 | 8.7000e-004 | 0.1462 | 0.0385 | 8.0000e-004 | 0.0393 | | 123.1560 | 123.1560 | 3.3200e-003 | 3.2000e-003 | 124.1941 |
| Total | 0.0521 | 0.6411 | 0.5634 | 3.9800e-003 | 0.2298 | 4.8200e-003 | 0.2346 | 0.0617 | 4.5800e-003 | 0.0663 | | 426.6532 | 426.6532 | 0.0202 | 0.0514 | 442.4776 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 0.2215 | 0.0000 | 0.2215 | 0.0335 | 0.0000 | 0.0335 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.2361 | 10.1292 | 15.2469 | 0.0251 | | 0.5030 | 0.5030 | | 0.4908 | 0.4908 | 0.0000 | 2,395.1470 | 2,395.1470 | 0.3392 | | 2,403.6257 |
| Total | 1.2361 | 10.1292 | 15.2469 | 0.0251 | 0.2215 | 0.5030 | 0.7245 | 0.0335 | 0.4908 | 0.5243 | 0.0000 | 2,395.1470 | 2,395.1470 | 0.3392 | | 2,403.6257 |

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Partial Demolition - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 7.4300e-003 | 0.6091 | 0.1315 | 2.7600e-003 | 0.0334 | 3.9500e-003 | 0.0374 | 0.0106 | 3.7800e-003 | 0.0144 | | 303.4973 | 303.4973 | 0.0169 | 0.0482 | 318.2835 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0447 | 0.0320 | 0.4318 | 1.2200e-003 | 0.0443 | 8.7000e-004 | 0.0451 | 0.0137 | 8.0000e-004 | 0.0145 | | 123.1560 | 123.1560 | 3.3200e-003 | 3.2000e-003 | 124.1941 |
| Total | 0.0521 | 0.6411 | 0.5634 | 3.9800e-003 | 0.0777 | 4.8200e-003 | 0.0825 | 0.0244 | 4.5800e-003 | 0.0289 | | 426.6532 | 426.6532 | 0.0202 | 0.0514 | 442.4776 |

3.4 Grading - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 6.5523 | 0.0000 | 6.5523 | 3.3675 | 0.0000 | 3.3675 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.1774 | 11.8090 | 10.4406 | 0.0194 | | 0.5604 | 0.5604 | | 0.5156 | 0.5156 | | 1,882.0813 | 1,882.0813 | 0.6087 | | 1,897.2988 |
| Total | 1.1774 | 11.8090 | 10.4406 | 0.0194 | 6.5523 | 0.5604 | 7.1127 | 3.3675 | 0.5156 | 3.8830 | | 1,882.0813 | 1,882.0813 | 0.6087 | | 1,897.2988 |

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0344 | 0.0246 | 0.3322 | 9.4000e-004 | 0.1118 | 6.7000e-004 | 0.1125 | 0.0296 | 6.2000e-004 | 0.0303 | | 94.7354 | 94.7354 | 2.5600e-003 | 2.4700e-003 | 95.5339 |
| Total | 0.0344 | 0.0246 | 0.3322 | 9.4000e-004 | 0.1118 | 6.7000e-004 | 0.1125 | 0.0296 | 6.2000e-004 | 0.0303 | | 94.7354 | 94.7354 | 2.5600e-003 | 2.4700e-003 | 95.5339 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 2.9486 | 0.0000 | 2.9486 | 1.5154 | 0.0000 | 1.5154 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.1774 | 11.8090 | 10.4406 | 0.0194 | | 0.5604 | 0.5604 | | 0.5156 | 0.5156 | 0.0000 | 1,882.0813 | 1,882.0813 | 0.6087 | | 1,897.2988 |
| Total | 1.1774 | 11.8090 | 10.4406 | 0.0194 | 2.9486 | 0.5604 | 3.5089 | 1.5154 | 0.5156 | 2.0309 | 0.0000 | 1,882.0813 | 1,882.0813 | 0.6087 | | 1,897.2988 |

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0344 | 0.0246 | 0.3322 | 9.4000e-004 | 0.0340 | 6.7000e-004 | 0.0347 | 0.0106 | 6.2000e-004 | 0.0112 | | 94.7354 | 94.7354 | 2.5600e-003 | 2.4700e-003 | 95.5339 |
| Total | 0.0344 | 0.0246 | 0.3322 | 9.4000e-004 | 0.0340 | 6.7000e-004 | 0.0347 | 0.0106 | 6.2000e-004 | 0.0112 | | 94.7354 | 94.7354 | 2.5600e-003 | 2.4700e-003 | 95.5339 |

3.5 Building Construction - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.4711 | 21.5049 | 22.5665 | 0.0424 | | 0.9904 | 0.9904 | | 0.9524 | 0.9524 | | 3,999.2716 | 3,999.2716 | 0.7035 | | 4,016.8586 |
| Total | 2.4711 | 21.5049 | 22.5665 | 0.0424 | | 0.9904 | 0.9904 | | 0.9524 | 0.9524 | | 3,999.2716 | 3,999.2716 | 0.7035 | | 4,016.8586 |

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 6.6700e-003 | 0.2411 | 0.0920 | 1.1200e-003 | 0.0384 | 1.1600e-003 | 0.0396 | 0.0111 | 1.1100e-003 | 0.0122 | | 120.3722 | 120.3722 | 4.0100e-003 | 0.0173 | 125.6347 |
| Worker | 0.0413 | 0.0296 | 0.3986 | 1.1200e-003 | 0.1341 | 8.1000e-004 | 0.1349 | 0.0356 | 7.4000e-004 | 0.0363 | | 113.6824 | 113.6824 | 3.0700e-003 | 2.9600e-003 | 114.6407 |
| Total | 0.0479 | 0.2707 | 0.4906 | 2.2400e-003 | 0.1726 | 1.9700e-003 | 0.1745 | 0.0466 | 1.8500e-003 | 0.0485 | | 234.0546 | 234.0546 | 7.0800e-003 | 0.0203 | 240.2753 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 2.4711 | 21.5049 | 22.5665 | 0.0424 | | 0.9904 | 0.9904 | | 0.9524 | 0.9524 | 0.0000 | 3,999.2716 | 3,999.2716 | 0.7035 | | 4,016.8586 |
| Total | 2.4711 | 21.5049 | 22.5665 | 0.0424 | | 0.9904 | 0.9904 | | 0.9524 | 0.9524 | 0.0000 | 3,999.2716 | 3,999.2716 | 0.7035 | | 4,016.8586 |

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 6.6700e-003 | 0.2411 | 0.0920 | 1.1200e-003 | 0.0165 | 1.1600e-003 | 0.0177 | 5.6900e-003 | 1.1100e-003 | 6.8100e-003 | | 120.3722 | 120.3722 | 4.0100e-003 | 0.0173 | 125.6347 |
| Worker | 0.0413 | 0.0296 | 0.3986 | 1.1200e-003 | 0.0408 | 8.1000e-004 | 0.0417 | 0.0127 | 7.4000e-004 | 0.0134 | | 113.6824 | 113.6824 | 3.0700e-003 | 2.9600e-003 | 114.6407 |
| Total | 0.0479 | 0.2707 | 0.4906 | 2.2400e-003 | 0.0574 | 1.9700e-003 | 0.0594 | 0.0184 | 1.8500e-003 | 0.0202 | | 234.0546 | 234.0546 | 7.0800e-003 | 0.0203 | 240.2753 |

3.6 Paving - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.6112 | 5.5046 | 7.0209 | 0.0113 | | 0.2643 | 0.2643 | | 0.2466 | 0.2466 | | 1,036.0878 | 1,036.0878 | 0.3018 | | 1,043.6331 |
| Paving | 0.1677 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.7788 | 5.5046 | 7.0209 | 0.0113 | | 0.2643 | 0.2643 | | 0.2466 | 0.2466 | | 1,036.0878 | 1,036.0878 | 0.3018 | | 1,043.6331 |

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0619 | 0.0444 | 0.5979 | 1.6900e-003 | 0.2012 | 1.2100e-003 | 0.2024 | 0.0534 | 1.1100e-003 | 0.0545 | | 170.5237 | 170.5237 | 4.6000e-003 | 4.4400e-003 | 171.9610 |
| Total | 0.0619 | 0.0444 | 0.5979 | 1.6900e-003 | 0.2012 | 1.2100e-003 | 0.2024 | 0.0534 | 1.1100e-003 | 0.0545 | | 170.5237 | 170.5237 | 4.6000e-003 | 4.4400e-003 | 171.9610 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.6112 | 5.5046 | 7.0209 | 0.0113 | | 0.2643 | 0.2643 | | 0.2466 | 0.2466 | 0.0000 | 1,036.0878 | 1,036.0878 | 0.3018 | | 1,043.6331 |
| Paving | 0.1677 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.7788 | 5.5046 | 7.0209 | 0.0113 | | 0.2643 | 0.2643 | | 0.2466 | 0.2466 | 0.0000 | 1,036.0878 | 1,036.0878 | 0.3018 | | 1,043.6331 |

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0619 | 0.0444 | 0.5979 | 1.6900e-003 | 0.0613 | 1.2100e-003 | 0.0625 | 0.0190 | 1.1100e-003 | 0.0201 | | 170.5237 | 170.5237 | 4.6000e-003 | 4.4400e-003 | 171.9610 |
| Total | 0.0619 | 0.0444 | 0.5979 | 1.6900e-003 | 0.0613 | 1.2100e-003 | 0.0625 | 0.0190 | 1.1100e-003 | 0.0201 | | 170.5237 | 170.5237 | 4.6000e-003 | 4.4400e-003 | 171.9610 |

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 37.4369 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1917 | 1.3030 | 1.8111 | 2.9700e-003 | | 0.0708 | 0.0708 | | 0.0708 | 0.0708 | | 281.4481 | 281.4481 | 0.0168 | | 281.8690 |
| Total | 37.6286 | 1.3030 | 1.8111 | 2.9700e-003 | | 0.0708 | 0.0708 | | 0.0708 | 0.0708 | | 281.4481 | 281.4481 | 0.0168 | | 281.8690 |

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0138 | 9.8600e-003 | 0.1329 | 3.7000e-004 | 0.0447 | 2.7000e-004 | 0.0450 | 0.0119 | 2.5000e-004 | 0.0121 | | 37.8941 | 37.8941 | 1.0200e-003 | 9.9000e-004 | 38.2136 |
| Total | 0.0138 | 9.8600e-003 | 0.1329 | 3.7000e-004 | 0.0447 | 2.7000e-004 | 0.0450 | 0.0119 | 2.5000e-004 | 0.0121 | | 37.8941 | 37.8941 | 1.0200e-003 | 9.9000e-004 | 38.2136 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 37.4369 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1917 | 1.3030 | 1.8111 | 2.9700e-003 | | 0.0708 | 0.0708 | | 0.0708 | 0.0708 | 0.0000 | 281.4481 | 281.4481 | 0.0168 | | 281.8690 |
| Total | 37.6286 | 1.3030 | 1.8111 | 2.9700e-003 | | 0.0708 | 0.0708 | | 0.0708 | 0.0708 | 0.0000 | 281.4481 | 281.4481 | 0.0168 | | 281.8690 |

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0138 | 9.8600e-003 | 0.1329 | 3.7000e-004 | 0.0136 | 2.7000e-004 | 0.0139 | 4.2200e-003 | 2.5000e-004 | 4.4700e-003 | | 37.8941 | 37.8941 | 1.0200e-003 | 9.9000e-004 | 38.2136 |
| Total | 0.0138 | 9.8600e-003 | 0.1329 | 3.7000e-004 | 0.0136 | 2.7000e-004 | 0.0139 | 4.2200e-003 | 2.5000e-004 | 4.4700e-003 | | 37.8941 | 37.8941 | 1.0200e-003 | 9.9000e-004 | 38.2136 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 1.1507 | 1.1192 | 10.2041 | 0.0207 | 2.3050 | 0.0158 | 2.3207 | 0.6140 | 0.0146 | 0.6286 | | 2,111.4498 | 2,111.4498 | 0.1656 | 0.1007 | 2,145.6081 |
| Unmitigated | 1.1507 | 1.1192 | 10.2041 | 0.0207 | 2.3050 | 0.0158 | 2.3207 | 0.6140 | 0.0146 | 0.6286 | | 2,111.4498 | 2,111.4498 | 0.1656 | 0.1007 | 2,145.6081 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|-------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Office Building | 105.29 | 23.89 | 7.57 | 256,752 | 256,752 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Strip Mall | 397.11 | 376.68 | 183.05 | 691,802 | 691,802 |
| Total | 502.40 | 400.57 | 190.62 | 948,554 | 948,554 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|-------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| General Office Building | 16.60 | 8.40 | 6.90 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| Other Asphalt Surfaces | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Strip Mall | 16.60 | 8.40 | 6.90 | 16.60 | 64.40 | 19.00 | 45 | 40 | 15 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Office Building | 0.540171 | 0.064547 | 0.189075 | 0.126673 | 0.023412 | 0.006384 | 0.010926 | 0.008089 | 0.000929 | 0.000597 | 0.025155 | 0.000706 | 0.003335 |
| Other Asphalt Surfaces | 0.540171 | 0.064547 | 0.189075 | 0.126673 | 0.023412 | 0.006384 | 0.010926 | 0.008089 | 0.000929 | 0.000597 | 0.025155 | 0.000706 | 0.003335 |

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

| | | | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Strip Mall | 0.540171 | 0.064547 | 0.189075 | 0.126673 | 0.023412 | 0.006384 | 0.010926 | 0.008089 | 0.000929 | 0.000597 | 0.025155 | 0.000706 | 0.003335 |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|

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 | 3.7300e-003 | 0.0339 | 0.0285 | 2.0000e-004 | | 2.5700e-003 | 2.5700e-003 | | 2.5700e-003 | 2.5700e-003 | | 40.6449 | 40.6449 | 7.8000e-004 | 7.5000e-004 | 40.8865 |
| NaturalGas Unmitigated | 3.7300e-003 | 0.0339 | 0.0285 | 2.0000e-004 | | 2.5700e-003 | 2.5700e-003 | | 2.5700e-003 | 2.5700e-003 | | 40.6449 | 40.6449 | 7.8000e-004 | 7.5000e-004 | 40.8865 |

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Office Building | 305.487 | 3.2900e-003 | 0.0300 | 0.0252 | 1.8000e-004 | | 2.2800e-003 | 2.2800e-003 | | 2.2800e-003 | 2.2800e-003 | | 35.9396 | 35.9396 | 6.9000e-004 | 6.6000e-004 | 36.1532 |
| Other Asphalt Surfaces | 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 |
| Strip Mall | 39.9953 | 4.3000e-004 | 3.9200e-003 | 3.2900e-003 | 2.0000e-005 | | 3.0000e-004 | 3.0000e-004 | | 3.0000e-004 | 3.0000e-004 | | 4.7053 | 4.7053 | 9.0000e-005 | 9.0000e-005 | 4.7333 |
| Total | | 3.7200e-003 | 0.0339 | 0.0285 | 2.0000e-004 | | 2.5800e-003 | 2.5800e-003 | | 2.5800e-003 | 2.5800e-003 | | 40.6449 | 40.6449 | 7.8000e-004 | 7.5000e-004 | 40.8865 |

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|-------------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|-----------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | | |
| General Office Building | 0.305487 | 3.2900e-003 | 0.0300 | 0.0252 | 1.8000e-004 | | 2.2800e-003 | 2.2800e-003 | | 2.2800e-003 | 2.2800e-003 | | | 35.9396 | 35.9396 | 6.9000e-004 | 6.6000e-004 | 36.1532 |
| Other Asphalt Surfaces | 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 |
| Strip Mall | 0.0399953 | 4.3000e-004 | 3.9200e-003 | 3.2900e-003 | 2.0000e-005 | | 3.0000e-004 | 3.0000e-004 | | 3.0000e-004 | 3.0000e-004 | | | 4.7053 | 4.7053 | 9.0000e-005 | 9.0000e-005 | 4.7333 |
| Total | | 3.7200e-003 | 0.0339 | 0.0285 | 2.0000e-004 | | 2.5800e-003 | 2.5800e-003 | | 2.5800e-003 | 2.5800e-003 | | | 40.6449 | 40.6449 | 7.8000e-004 | 7.5000e-004 | 40.8865 |

6.0 Area Detail

6.1 Mitigation Measures Area

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|-------------|-------------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-------------|-------------|-------------|-----|-------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.4480 | 3.0000e-005 | 3.4400e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 7.4000e-003 | 7.4000e-003 | 2.0000e-005 | | 7.8800e-003 |
| Unmitigated | 0.4480 | 3.0000e-005 | 3.4400e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 7.4000e-003 | 7.4000e-003 | 2.0000e-005 | | 7.8800e-003 |

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 | 0.0513 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.3964 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 3.2000e-004 | 3.0000e-005 | 3.4400e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 7.4000e-003 | 7.4000e-003 | 2.0000e-005 | | 7.8800e-003 |
| Total | 0.4480 | 3.0000e-005 | 3.4400e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 7.4000e-003 | 7.4000e-003 | 2.0000e-005 | | 7.8800e-003 |

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|-----------|--------------------|--------------------|--------------------|--------------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0513 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.3964 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 3.2000e-004 | 3.0000e-005 | 3.4400e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | | 7.4000e-003 | 7.4000e-003 | 2.0000e-005 | 7.8800e-003 |
| Total | 0.4480 | 3.0000e-005 | 3.4400e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | | 7.4000e-003 | 7.4000e-003 | 2.0000e-005 | 7.8800e-003 |

7.0 Water Detail

7.1 Mitigation Measures Water

Alt 3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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
