

Motor Ave Warehouse - Azusa - Los Angeles-South Coast County, Winter

Motor Ave Warehouse - Azusa
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|-------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 97.05 | 1000sqft | 2.23 | 97,048.00 | 0 |
| Parking Lot | 42.77 | 1000sqft | 0.98 | 42,775.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 33 |
| Climate Zone | 9 | | | Operational Year | 2022 |
| Utility Company | Southern California Edison | | | | |
| CO2 Intensity (lb/MWhr) | 702.44 | CH4 Intensity (lb/MWhr) | 0.029 | N2O Intensity (lb/MWhr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use - Lot area is 4.2 acres (183,000 SF). 9,025 SF of lot area is landscaping, access (not parking lot), etc. CalEEMod calculates lot acreage as sum of building footprint & parking lot area.

Demolition -

Grading -

Architectural Coating - CalEEMod defaults are used for coatings. Notes on applicant's plans indicate intended compliance.

Vehicle Trips - Trip rates and C-W trip length from SCAG Travel Model per Fehr & Peers VMT analysis. Defaults used for C-C and C-NW trips.

Energy Use - Warehouse will operate 24/7.

Sequestration - Project landscape plans show 51 trees.

Construction Off-road Equipment Mitigation - SCAQMD construction emissions rules require watering of exposed surfaces. Tier 4 Final engine tiers to be required in construction bid documents and on project plans.

Water Mitigation - Applicant states that interior plumbing will achieve 20% reduction from average use.

Mobile Land Use Mitigation -

Mobile Commute Mitigation - Project applicant will have no control over end-user's operations.

Area Mitigation - 50 g/l paint conforms to Dunn-Edwards "Ultra-Low VOC" coatings specification.

Energy Mitigation - Minimum 50% energy reduction to be accomplished by requiring LED lamps. (Industry sources estimate between 60%-90% less energy consumption from standard warehouse HID lighting; 50% chosen as minimum project energy-reduction goal).

| Table Name | Column Name | Default Value | New Value |
|-------------------------|---|---------------|-----------|
| tblAreaMitigation | UseLowVOCPaintNonresidentialExteriorValue | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintNonresidentialInteriorValue | 100 | 50 |
| tblAreaMitigation | UseLowVOCPaintParkingCheck | False | True |
| tblAreaMitigation | UseLowVOCPaintParkingValue | 100 | 50 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |

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| | | | |
|-------------------------|----------------------------|-----------|--------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 6.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 11.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
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| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblGrading | MaterialImported | 0.00 | 4,620.00 |
| tblLandUse | LandUseSquareFeet | 97,050.00 | 97,048.00 |
| tblLandUse | LandUseSquareFeet | 42,770.00 | 42,775.00 |

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| | | | |
|------------------|------------------|-------|-------|
| tblSequestration | NumberOfNewTrees | 0.00 | 51.00 |
| tblVehicleTrips | CW_TL | 16.60 | 17.90 |
| tblVehicleTrips | CW_TL | 16.60 | 17.90 |
| tblVehicleTrips | ST_TR | 1.68 | 1.75 |
| tblVehicleTrips | SU_TR | 1.68 | 1.75 |
| tblVehicleTrips | WD_TR | 1.68 | 1.75 |

2.0 Emissions Summary

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2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|--------------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 2.1878 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | | 0.0306 | 0.0306 | 8.0000e-005 | | 0.0326 |
| Energy | 2.4900e-003 | 0.0227 | 0.0191 | 1.4000e-004 | | 1.7200e-003 | 1.7200e-003 | | 1.7200e-003 | 1.7200e-003 | | 27.2141 | 27.2141 | 5.2000e-004 | 5.0000e-004 | 27.3758 |
| Mobile | 0.3422 | 1.8029 | 5.0262 | 0.0190 | 1.6418 | 0.0160 | 1.6578 | 0.4394 | 0.0149 | 0.4543 | | 1,930.8174 | 1,930.8174 | 0.0983 | | 1,933.2741 |
| Total | 2.5325 | 1.8257 | 5.0595 | 0.0191 | 1.6418 | 0.0178 | 1.6596 | 0.4394 | 0.0167 | 0.4561 | | 1,958.0621 | 1,958.0621 | 0.0989 | 5.0000e-004 | 1,960.6825 |

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 | 2.0629 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | | 0.0306 | 0.0306 | 8.0000e-005 | | 0.0326 |
| Energy | 2.4900e-003 | 0.0227 | 0.0191 | 1.4000e-004 | | 1.7200e-003 | 1.7200e-003 | | 1.7200e-003 | 1.7200e-003 | | 27.2141 | 27.2141 | 5.2000e-004 | 5.0000e-004 | 27.3758 |
| Mobile | 0.3422 | 1.8029 | 5.0262 | 0.0190 | 1.6418 | 0.0160 | 1.6578 | 0.4394 | 0.0149 | 0.4543 | | 1,930.8174 | 1,930.8174 | 0.0983 | | 1,933.2741 |
| Total | 2.4076 | 1.8257 | 5.0595 | 0.0191 | 1.6418 | 0.0178 | 1.6596 | 0.4394 | 0.0167 | 0.4561 | | 1,958.0621 | 1,958.0621 | 0.0989 | 5.0000e-004 | 1,960.6825 |

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| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 4.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 2/1/2021 | 2/26/2021 | 5 | 20 | |
| 2 | Site Preparation | Site Preparation | 2/27/2021 | 3/5/2021 | 5 | 5 | |
| 3 | Grading | Grading | 3/6/2021 | 3/17/2021 | 5 | 8 | |
| 4 | Building Construction | Building Construction | 3/18/2021 | 2/2/2022 | 5 | 230 | |
| 5 | Paving | Paving | 2/3/2022 | 2/28/2022 | 5 | 18 | |
| 6 | Architectural Coating | Architectural Coating | 3/1/2022 | 3/24/2022 | 5 | 18 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0.98

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 145,572; Non-Residential Outdoor: 48,524; Striped Parking Area: 2,567 (Architectural Coating – sqft)

OffRoad Equipment

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| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Excavators | 3 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Grading | Excavators | 1 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Paving | Cement and Mortar Mixers | 2 | 6.00 | 9 | 0.56 |
| Paving | Pavers | 1 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 6.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 6.00 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

Trips and VMT

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| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 6 | 15.00 | 0.00 | 277.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 6 | 15.00 | 0.00 | 578.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 59.00 | 23.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 8 | 20.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 12.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 3.0023 | 0.0000 | 3.0023 | 0.4546 | 0.0000 | 0.4546 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.1651 | 31.4407 | 21.5650 | 0.0388 | | 1.5513 | 1.5513 | | 1.4411 | 1.4411 | | 3,747.9449 | 3,747.9449 | 1.0549 | | 3,774.3174 |
| Total | 3.1651 | 31.4407 | 21.5650 | 0.0388 | 3.0023 | 1.5513 | 4.5536 | 0.4546 | 1.4411 | 1.8957 | | 3,747.9449 | 3,747.9449 | 1.0549 | | 3,774.3174 |

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3.2 Demolition - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.1183 | 3.7607 | 0.9237 | 0.0106 | 0.2422 | 0.0116 | 0.2538 | 0.0664 | 0.0111 | 0.0775 | | 1,152.0196 | 1,152.0196 | 0.0824 | | 1,154.0787 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0715 | 0.0489 | 0.5524 | 1.6100e-003 | 0.1677 | 1.3500e-003 | 0.1690 | 0.0445 | 1.2500e-003 | 0.0457 | | 160.8377 | 160.8377 | 4.7300e-003 | | 160.9560 |
| Total | 0.1898 | 3.8096 | 1.4761 | 0.0122 | 0.4098 | 0.0129 | 0.4228 | 0.1109 | 0.0123 | 0.1232 | | 1,312.8573 | 1,312.8573 | 0.0871 | | 1,315.0347 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 1.3510 | 0.0000 | 1.3510 | 0.2046 | 0.0000 | 0.2046 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.4623 | 2.0032 | 23.2798 | 0.0388 | | 0.0616 | 0.0616 | | 0.0616 | 0.0616 | 0.0000 | 3,747.9449 | 3,747.9449 | 1.0549 | | 3,774.3174 |
| Total | 0.4623 | 2.0032 | 23.2798 | 0.0388 | 1.3510 | 0.0616 | 1.4127 | 0.2046 | 0.0616 | 0.2662 | 0.0000 | 3,747.9449 | 3,747.9449 | 1.0549 | | 3,774.3174 |

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3.2 Demolition - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.1183 | 3.7607 | 0.9237 | 0.0106 | 0.2422 | 0.0116 | 0.2538 | 0.0664 | 0.0111 | 0.0775 | | 1,152.0196 | 1,152.0196 | 0.0824 | | 1,154.0787 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0715 | 0.0489 | 0.5524 | 1.6100e-003 | 0.1677 | 1.3500e-003 | 0.1690 | 0.0445 | 1.2500e-003 | 0.0457 | | 160.8377 | 160.8377 | 4.7300e-003 | | 160.9560 |
| Total | 0.1898 | 3.8096 | 1.4761 | 0.0122 | 0.4098 | 0.0129 | 0.4228 | 0.1109 | 0.0123 | 0.1232 | | 1,312.8573 | 1,312.8573 | 0.0871 | | 1,315.0347 |

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.8882 | 40.4971 | 21.1543 | 0.0380 | | 2.0445 | 2.0445 | | 1.8809 | 1.8809 | | 3,685.6569 | 3,685.6569 | 1.1920 | | 3,715.4573 |
| Total | 3.8882 | 40.4971 | 21.1543 | 0.0380 | 18.0663 | 2.0445 | 20.1107 | 9.9307 | 1.8809 | 11.8116 | | 3,685.6569 | 3,685.6569 | 1.1920 | | 3,715.4573 |

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3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0858 | 0.0587 | 0.6629 | 1.9400e-003 | 0.2012 | 1.6300e-003 | 0.2028 | 0.0534 | 1.5000e-003 | 0.0549 | | 193.0052 | 193.0052 | 5.6800e-003 | | 193.1472 |
| Total | 0.0858 | 0.0587 | 0.6629 | 1.9400e-003 | 0.2012 | 1.6300e-003 | 0.2028 | 0.0534 | 1.5000e-003 | 0.0549 | | 193.0052 | 193.0052 | 5.6800e-003 | | 193.1472 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 8.1298 | 0.0000 | 8.1298 | 4.4688 | 0.0000 | 4.4688 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.4656 | 2.0175 | 20.8690 | 0.0380 | | 0.0621 | 0.0621 | | 0.0621 | 0.0621 | 0.0000 | 3,685.6569 | 3,685.6569 | 1.1920 | | 3,715.4573 |
| Total | 0.4656 | 2.0175 | 20.8690 | 0.0380 | 8.1298 | 0.0621 | 8.1919 | 4.4688 | 0.0621 | 4.5309 | 0.0000 | 3,685.6569 | 3,685.6569 | 1.1920 | | 3,715.4573 |

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3.3 Site Preparation - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0858 | 0.0587 | 0.6629 | 1.9400e-003 | 0.2012 | 1.6300e-003 | 0.2028 | 0.0534 | 1.5000e-003 | 0.0549 | | 193.0052 | 193.0052 | 5.6800e-003 | | 193.1472 |
| Total | 0.0858 | 0.0587 | 0.6629 | 1.9400e-003 | 0.2012 | 1.6300e-003 | 0.2028 | 0.0534 | 1.5000e-003 | 0.0549 | | 193.0052 | 193.0052 | 5.6800e-003 | | 193.1472 |

3.4 Grading - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 6.6177 | 0.0000 | 6.6177 | 3.3774 | 0.0000 | 3.3774 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.2903 | 24.7367 | 15.8575 | 0.0296 | | 1.1599 | 1.1599 | | 1.0671 | 1.0671 | | 2,871.9285 | 2,871.9285 | 0.9288 | | 2,895,1495 |
| Total | 2.2903 | 24.7367 | 15.8575 | 0.0296 | 6.6177 | 1.1599 | 7.7776 | 3.3774 | 1.0671 | 4.4445 | | 2,871.9285 | 2,871.9285 | 0.9288 | | 2,895,1495 |

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3.4 Grading - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.6169 | 19.6180 | 4.8186 | 0.0554 | 1.2633 | 0.0604 | 1.3237 | 0.3463 | 0.0578 | 0.4041 | | 6,009.6329 | 6,009.6329 | 0.4297 | | 6,020.3743 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0715 | 0.0489 | 0.5524 | 1.6100e-003 | 0.1677 | 1.3500e-003 | 0.1690 | 0.0445 | 1.2500e-003 | 0.0457 | | 160.8377 | 160.8377 | 4.7300e-003 | | 160.9560 |
| Total | 0.6884 | 19.6669 | 5.3710 | 0.0570 | 1.4310 | 0.0617 | 1.4927 | 0.3908 | 0.0590 | 0.4498 | | 6,170.4705 | 6,170.4705 | 0.4344 | | 6,181.3303 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 2.9779 | 0.0000 | 2.9779 | 1.5198 | 0.0000 | 1.5198 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.3632 | 1.5737 | 17.7527 | 0.0296 | | 0.0484 | 0.0484 | | 0.0484 | 0.0484 | 0.0000 | 2,871.9285 | 2,871.9285 | 0.9288 | | 2,895.1495 |
| Total | 0.3632 | 1.5737 | 17.7527 | 0.0296 | 2.9779 | 0.0484 | 3.0264 | 1.5198 | 0.0484 | 1.5682 | 0.0000 | 2,871.9285 | 2,871.9285 | 0.9288 | | 2,895.1495 |

Motor Ave Warehouse - Azusa - Los Angeles-South Coast County, Winter

3.4 Grading - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.6169 | 19.6180 | 4.8186 | 0.0554 | 1.2633 | 0.0604 | 1.3237 | 0.3463 | 0.0578 | 0.4041 | | 6,009.6329 | 6,009.6329 | 0.4297 | | 6,020.3743 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0715 | 0.0489 | 0.5524 | 1.6100e-003 | 0.1677 | 1.3500e-003 | 0.1690 | 0.0445 | 1.2500e-003 | 0.0457 | | 160.8377 | 160.8377 | 4.7300e-003 | | 160.9560 |
| Total | 0.6884 | 19.6669 | 5.3710 | 0.0570 | 1.4310 | 0.0617 | 1.4927 | 0.3908 | 0.0590 | 0.4498 | | 6,170.4705 | 6,170.4705 | 0.4344 | | 6,181.3303 |

3.5 Building Construction - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.9009 | 17.4321 | 16.5752 | 0.0269 | | 0.9586 | 0.9586 | | 0.9013 | 0.9013 | | 2,553.3639 | 2,553.3639 | 0.6160 | | 2,568.7643 |
| Total | 1.9009 | 17.4321 | 16.5752 | 0.0269 | | 0.9586 | 0.9586 | | 0.9013 | 0.9013 | | 2,553.3639 | 2,553.3639 | 0.6160 | | 2,568.7643 |

Motor Ave Warehouse - Azusa - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0734 | 2.2284 | 0.6458 | 5.7500e-003 | 0.1473 | 4.7100e-003 | 0.1520 | 0.0424 | 4.5100e-003 | 0.0469 | | 614.8947 | 614.8947 | 0.0397 | | 615.8871 |
| Worker | 0.2813 | 0.1924 | 2.1727 | 6.3500e-003 | 0.6595 | 5.3300e-003 | 0.6648 | 0.1749 | 4.9100e-003 | 0.1798 | | 632.6281 | 632.6281 | 0.0186 | | 633.0935 |
| Total | 0.3547 | 2.4209 | 2.8185 | 0.0121 | 0.8067 | 0.0100 | 0.8168 | 0.2173 | 9.4200e-003 | 0.2267 | | 1,247.5229 | 1,247.5229 | 0.0583 | | 1,248.9806 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.3278 | 2.2347 | 17.4603 | 0.0269 | | 0.0408 | 0.0408 | | 0.0408 | 0.0408 | 0.0000 | 2,553.3639 | 2,553.3639 | 0.6160 | | 2,568.7643 |
| Total | 0.3278 | 2.2347 | 17.4603 | 0.0269 | | 0.0408 | 0.0408 | | 0.0408 | 0.0408 | 0.0000 | 2,553.3639 | 2,553.3639 | 0.6160 | | 2,568.7643 |

Motor Ave Warehouse - Azusa - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0734 | 2.2284 | 0.6458 | 5.7500e-003 | 0.1473 | 4.7100e-003 | 0.1520 | 0.0424 | 4.5100e-003 | 0.0469 | | 614.8947 | 614.8947 | 0.0397 | | 615.8871 |
| Worker | 0.2813 | 0.1924 | 2.1727 | 6.3500e-003 | 0.6595 | 5.3300e-003 | 0.6648 | 0.1749 | 4.9100e-003 | 0.1798 | | 632.6281 | 632.6281 | 0.0186 | | 633.0935 |
| Total | 0.3547 | 2.4209 | 2.8185 | 0.0121 | 0.8067 | 0.0100 | 0.8168 | 0.2173 | 9.4200e-003 | 0.2267 | | 1,247.5229 | 1,247.5229 | 0.0583 | | 1,248.9806 |

3.5 Building Construction - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.7062 | 15.6156 | 16.3634 | 0.0269 | | 0.8090 | 0.8090 | | 0.7612 | 0.7612 | | 2,554.3336 | 2,554.3336 | 0.6120 | | 2,569.6322 |
| Total | 1.7062 | 15.6156 | 16.3634 | 0.0269 | | 0.8090 | 0.8090 | | 0.7612 | 0.7612 | | 2,554.3336 | 2,554.3336 | 0.6120 | | 2,569.6322 |

Motor Ave Warehouse - Azusa - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0689 | 2.1178 | 0.6113 | 5.7000e-003 | 0.1473 | 4.1200e-003 | 0.1514 | 0.0424 | 3.9400e-003 | 0.0463 | | 609.4316 | 609.4316 | 0.0383 | | 610.3892 |
| Worker | 0.2642 | 0.1738 | 2.0011 | 6.1200e-003 | 0.6595 | 5.1600e-003 | 0.6646 | 0.1749 | 4.7500e-003 | 0.1797 | | 610.3960 | 610.3960 | 0.0168 | | 610.8162 |
| Total | 0.3331 | 2.2916 | 2.6124 | 0.0118 | 0.8067 | 9.2800e-003 | 0.8160 | 0.2173 | 8.6900e-003 | 0.2260 | | 1,219.8276 | 1,219.8276 | 0.0551 | | 1,221.2053 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.3278 | 2.2347 | 17.4603 | 0.0269 | | 0.0408 | 0.0408 | | 0.0408 | 0.0408 | 0.0000 | 2,554.3336 | 2,554.3336 | 0.6120 | | 2,569.6322 |
| Total | 0.3278 | 2.2347 | 17.4603 | 0.0269 | | 0.0408 | 0.0408 | | 0.0408 | 0.0408 | 0.0000 | 2,554.3336 | 2,554.3336 | 0.6120 | | 2,569.6322 |

Motor Ave Warehouse - Azusa - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2022

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0689 | 2.1178 | 0.6113 | 5.7000e-003 | 0.1473 | 4.1200e-003 | 0.1514 | 0.0424 | 3.9400e-003 | 0.0463 | | 609.4316 | 609.4316 | 0.0383 | | 610.3892 |
| Worker | 0.2642 | 0.1738 | 2.0011 | 6.1200e-003 | 0.6595 | 5.1600e-003 | 0.6646 | 0.1749 | 4.7500e-003 | 0.1797 | | 610.3960 | 610.3960 | 0.0168 | | 610.8162 |
| Total | 0.3331 | 2.2916 | 2.6124 | 0.0118 | 0.8067 | 9.2800e-003 | 0.8160 | 0.2173 | 8.6900e-003 | 0.2260 | | 1,219.8276 | 1,219.8276 | 0.0551 | | 1,221.2053 |

3.6 Paving - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.9765 | 9.5221 | 12.1940 | 0.0189 | | 0.4877 | 0.4877 | | 0.4504 | 0.4504 | | 1,805.1297 | 1,805.1297 | 0.5672 | | 1,819.3091 |
| Paving | 0.1426 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.1192 | 9.5221 | 12.1940 | 0.0189 | | 0.4877 | 0.4877 | | 0.4504 | 0.4504 | | 1,805.1297 | 1,805.1297 | 0.5672 | | 1,819.3091 |

Motor Ave Warehouse - Azusa - Los Angeles-South Coast County, Winter

3.6 Paving - 2022

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0896 | 0.0589 | 0.6784 | 2.0800e-003 | 0.2236 | 1.7500e-003 | 0.2253 | 0.0593 | 1.6100e-003 | 0.0609 | | 206.9139 | 206.9139 | 5.7000e-003 | | 207.0563 |
| Total | 0.0896 | 0.0589 | 0.6784 | 2.0800e-003 | 0.2236 | 1.7500e-003 | 0.2253 | 0.0593 | 1.6100e-003 | 0.0609 | | 206.9139 | 206.9139 | 5.7000e-003 | | 207.0563 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.2194 | 0.9509 | 13.5323 | 0.0189 | | 0.0293 | 0.0293 | | 0.0293 | 0.0293 | 0.0000 | 1,805.1297 | 1,805.1297 | 0.5672 | | 1,819.3091 |
| Paving | 0.1426 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.3621 | 0.9509 | 13.5323 | 0.0189 | | 0.0293 | 0.0293 | | 0.0293 | 0.0293 | 0.0000 | 1,805.1297 | 1,805.1297 | 0.5672 | | 1,819.3091 |

Motor Ave Warehouse - Azusa - Los Angeles-South Coast County, Winter

3.6 Paving - 2022

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0896 | 0.0589 | 0.6784 | 2.0800e-003 | 0.2236 | 1.7500e-003 | 0.2253 | 0.0593 | 1.6100e-003 | 0.0609 | | 206.9139 | 206.9139 | 5.7000e-003 | | 207.0563 |
| Total | 0.0896 | 0.0589 | 0.6784 | 2.0800e-003 | 0.2236 | 1.7500e-003 | 0.2253 | 0.0593 | 1.6100e-003 | 0.0609 | | 206.9139 | 206.9139 | 5.7000e-003 | | 207.0563 |

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 50.6407 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2045 | 1.4085 | 1.8136 | 2.9700e-003 | | 0.0817 | 0.0817 | | 0.0817 | 0.0817 | | 281.4481 | 281.4481 | 0.0183 | | 281.9062 |
| Total | 50.8453 | 1.4085 | 1.8136 | 2.9700e-003 | | 0.0817 | 0.0817 | | 0.0817 | 0.0817 | | 281.4481 | 281.4481 | 0.0183 | | 281.9062 |

Motor Ave Warehouse - Azusa - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0537 | 0.0354 | 0.4070 | 1.2500e-003 | 0.1341 | 1.0500e-003 | 0.1352 | 0.0356 | 9.7000e-004 | 0.0365 | | 124.1483 | 124.1483 | 3.4200e-003 | | 124.2338 |
| Total | 0.0537 | 0.0354 | 0.4070 | 1.2500e-003 | 0.1341 | 1.0500e-003 | 0.1352 | 0.0356 | 9.7000e-004 | 0.0365 | | 124.1483 | 124.1483 | 3.4200e-003 | | 124.2338 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 50.6407 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.0297 | 0.1288 | 1.8324 | 2.9700e-003 | | 3.9600e-003 | 3.9600e-003 | | 3.9600e-003 | 3.9600e-003 | 0.0000 | 281.4481 | 281.4481 | 0.0183 | | 281.9062 |
| Total | 50.6704 | 0.1288 | 1.8324 | 2.9700e-003 | | 3.9600e-003 | 3.9600e-003 | | 3.9600e-003 | 3.9600e-003 | 0.0000 | 281.4481 | 281.4481 | 0.0183 | | 281.9062 |

Motor Ave Warehouse - Azusa - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0537 | 0.0354 | 0.4070 | 1.2500e-003 | 0.1341 | 1.0500e-003 | 0.1352 | 0.0356 | 9.7000e-004 | 0.0365 | | 124.1483 | 124.1483 | 3.4200e-003 | | 124.2338 |
| Total | 0.0537 | 0.0354 | 0.4070 | 1.2500e-003 | 0.1341 | 1.0500e-003 | 0.1352 | 0.0356 | 9.7000e-004 | 0.0365 | | 124.1483 | 124.1483 | 3.4200e-003 | | 124.2338 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Motor Ave Warehouse - Azusa - Los Angeles-South Coast County, Winter

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.3422 | 1.8029 | 5.0262 | 0.0190 | 1.6418 | 0.0160 | 1.6578 | 0.4394 | 0.0149 | 0.4543 | | 1,930.8174 | 1,930.8174 | 0.0983 | | 1,933.2741 |
| Unmitigated | 0.3422 | 1.8029 | 5.0262 | 0.0190 | 1.6418 | 0.0160 | 1.6578 | 0.4394 | 0.0149 | 0.4543 | | 1,930.8174 | 1,930.8174 | 0.0983 | | 1,933.2741 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 169.84 | 169.84 | 169.84 | 772,091 | 772,091 |
| Total | 169.84 | 169.84 | 169.84 | 772,091 | 772,091 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|----------------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Parking Lot | 17.90 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No Rail | 17.90 | 8.40 | 6.90 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Parking Lot | 0.546501 | 0.044961 | 0.204016 | 0.120355 | 0.015740 | 0.006196 | 0.020131 | 0.030678 | 0.002515 | 0.002201 | 0.005142 | 0.000687 | 0.000876 |
| Unrefrigerated Warehouse-No Rail | 0.546501 | 0.044961 | 0.204016 | 0.120355 | 0.015740 | 0.006196 | 0.020131 | 0.030678 | 0.002515 | 0.002201 | 0.005142 | 0.000687 | 0.000876 |

Motor Ave Warehouse - Azusa - Los Angeles-South Coast County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 2.4900e-003 | 0.0227 | 0.0191 | 1.4000e-004 | | 1.7200e-003 | 1.7200e-003 | | 1.7200e-003 | 1.7200e-003 | | 27.2141 | 27.2141 | 5.2000e-004 | 5.0000e-004 | 27.3758 |
| NaturalGas Unmitigated | 2.4900e-003 | 0.0227 | 0.0191 | 1.4000e-004 | | 1.7200e-003 | 1.7200e-003 | | 1.7200e-003 | 1.7200e-003 | | 27.2141 | 27.2141 | 5.2000e-004 | 5.0000e-004 | 27.3758 |

Motor Ave Warehouse - Azusa - Los Angeles-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 231.32 | 2.4900e-003 | 0.0227 | 0.0191 | 1.4000e-004 | | 1.7200e-003 | 1.7200e-003 | | 1.7200e-003 | 1.7200e-003 | | 27.2141 | 27.2141 | 5.2000e-004 | 5.0000e-004 | 27.3758 |
| Total | | 2.4900e-003 | 0.0227 | 0.0191 | 1.4000e-004 | | 1.7200e-003 | 1.7200e-003 | | 1.7200e-003 | 1.7200e-003 | | 27.2141 | 27.2141 | 5.2000e-004 | 5.0000e-004 | 27.3758 |

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 0.23132 | 2.4900e-003 | 0.0227 | 0.0191 | 1.4000e-004 | | 1.7200e-003 | 1.7200e-003 | | 1.7200e-003 | 1.7200e-003 | | 27.2141 | 27.2141 | 5.2000e-004 | 5.0000e-004 | 27.3758 |
| Total | | 2.4900e-003 | 0.0227 | 0.0191 | 1.4000e-004 | | 1.7200e-003 | 1.7200e-003 | | 1.7200e-003 | 1.7200e-003 | | 27.2141 | 27.2141 | 5.2000e-004 | 5.0000e-004 | 27.3758 |

6.0 Area Detail

6.1 Mitigation Measures Area

Motor Ave Warehouse - Azusa - Los Angeles-South Coast County, Winter

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 2.0629 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | | 0.0306 | 0.0306 | 8.0000e-005 | | 0.0326 |
| Unmitigated | 2.1878 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | | 0.0306 | 0.0306 | 8.0000e-005 | | 0.0326 |

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 | 0.2497 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 1.9367 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 1.3300e-003 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | | 0.0306 | 0.0306 | 8.0000e-005 | | 0.0326 |
| Total | 2.1878 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | | 0.0306 | 0.0306 | 8.0000e-005 | | 0.0326 |

Motor Ave Warehouse - Azusa - Los Angeles-South Coast County, Winter

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 | 0.1249 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 1.9367 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 1.3300e-003 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | | 0.0306 | 0.0306 | 8.0000e-005 | | 0.0326 |
| Total | 2.0629 | 1.3000e-004 | 0.0143 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | | 0.0306 | 0.0306 | 8.0000e-005 | | 0.0326 |

7.0 Water Detail

7.1 Mitigation Measures Water

- Apply Water Conservation Strategy
- Install Low Flow Bathroom Faucet
- Install Low Flow Toilet
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Motor Ave Warehouse - Azusa - Los Angeles-South Coast County, Winter

| 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
