

Appendix A

CalEEMod Outputs

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3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Annual

3117 - Shippers (715 Trucks)
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|-------|--------|-------------|--------------------|------------|
| Other Asphalt Surfaces | 20.00 | Acre | 20.00 | 871,200.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------|-------|-------------------------|-----|----------------------------------|------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 33 |
| Climate Zone | 11 | | | Operational Year | 2019 |

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Utility Company Los Angeles Department of Water & Power

| | | | | | |
|---------------------------------|---------|---------------------------------|-------|---------------------------------|-------|
| CO2 Intensity (lb/MW/hr) | 1227.89 | CH4 Intensity (lb/MW/hr) | 0.029 | N2O Intensity (lb/MW/hr) | 0.006 |
|---------------------------------|---------|---------------------------------|-------|---------------------------------|-------|

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Trucks and Workers.

Construction Phase - No Construction

Off-road Equipment - No Construction

Trips and VMT - No Construction.

On-road Fugitive Dust - No Construction

Vehicle Trips - 715 Trucks per day. 2.3 miles difference between existing and proposed project.

Construction Off-road Equipment Mitigation -

Fleet Mix - HHDT (100%)

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Annual

| Table Name | Column Name | Default Value | New Value |
|---------------------|----------------------------|---------------|-----------|
| tbConstructionPhase | NumDays | 300.00 | 0.00 |
| tbIFleetMix | HHD | 0.03 | 1.00 |
| tbIFleetMix | LDA | 0.55 | 0.00 |
| tbIFleetMix | LDT1 | 0.05 | 0.00 |
| tbIFleetMix | LDT2 | 0.20 | 0.00 |
| tbIFleetMix | LHD1 | 0.02 | 0.00 |
| tbIFleetMix | LHD2 | 6.0250e-003 | 0.00 |
| tbIFleetMix | MCY | 4.9150e-003 | 0.00 |
| tbIFleetMix | MDV | 0.12 | 0.00 |
| tbIFleetMix | MH | 9.2500e-004 | 0.00 |
| tbIFleetMix | MHD | 0.02 | 0.00 |
| tbIFleetMix | OBUS | 2.3910e-003 | 0.00 |
| tbIFleetMix | SBUS | 6.7200e-004 | 0.00 |
| tbIFleetMix | UBUS | 2.4690e-003 | 0.00 |
| tbOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tbOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tbOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tbOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tbOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tbOnRoadDust | MeanVehicleSpeed | 40.00 | 0.00 |
| tbOnRoadDust | RoadSiltLoading | 0.10 | 0.00 |
| tbTripsAndVMT | HaulingTripLength | 20.00 | 0.00 |
| tbTripsAndVMT | VendorTripLength | 6.90 | 0.00 |
| tbTripsAndVMT | VendorTripNumber | 143.00 | 0.00 |
| tbTripsAndVMT | WorkerTripLength | 14.70 | 0.00 |
| tbTripsAndVMT | WorkerTripNumber | 366.00 | 0.00 |

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Annual

| | | | |
|----------------|--------|-------|--------|
| tbVehicleTrips | CC_TL | 8.40 | 2.30 |
| tbVehicleTrips | CC_TTP | 0.00 | 100.00 |
| tbVehicleTrips | CNW_TL | 6.90 | 0.00 |
| tbVehicleTrips | CW_TL | 16.60 | 0.00 |
| tbVehicleTrips | PR_TP | 0.00 | 100.00 |
| tbVehicleTrips | ST_TR | 0.00 | 35.75 |
| tbVehicleTrips | SU_TR | 0.00 | 35.75 |
| tbVehicleTrips | WD_TR | 0.00 | 35.75 |

2.0 Emissions Summary

| ROG | NOx | CO | SO2 | 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 |

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|----------|--|--|
| | | Highest | | |

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Annual

**2.2 Overall Operational
Unmitigated Operational**

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | | |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------------|------------------------------|---------------|---------------|---------------|------------------------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Area | 0.0685 | 0.0000 | 2.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.0000e-004 | 5.0000e-004 | 0.0000 | 0.0000 | 0.0000 | 5.3000e-004 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.3668 | 15.8591 | 2.7035 | 0.0230 | 0.2569 | 0.0246 | 0.2814 | 0.0705 | 0.0235 | 0.0940 | 0.0000 | 2.256.781 ⁸ | 2,256.781 ⁸ | 0.2760 | 0.0000 | 0.0000 | 2,263.680 ⁶ |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.4353 | 15.8591 | 2.7038 | 0.0230 | 0.2569 | 0.0246 | 0.2814 | 0.0705 | 0.0235 | 0.0940 | 0.0000 | 2,256.782³ | 2,256.782³ | 0.2760 | 0.0000 | 0.0000 | 2,263.681¹ |

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Annual

2.2 Overall Operational

Mitigated Operational

| Category | tons/yr | | | | | | | | | | | MT/yr | | | | | |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------------|------------------------------|---------------|---------------|---------------|------------------------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Area | 0.0685 | 0.0000 | 2.6000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 5.0000e-004 | 5.0000e-004 | 0.0000 | 0.0000 | 0.0000 | 5.3000e-004 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.3668 | 15.8591 | 2.7035 | 0.0230 | 0.2569 | 0.0246 | 0.2814 | 0.0705 | 0.0235 | 0.0940 | 0.0000 | 2.256.781 ₈ | 2,256.781 ₈ | 0.2760 | 0.0000 | 0.0000 | 2,263.680 ₆ |
| Waste | | | | | | | | | | | | | | | | | |
| Water | | | | | | | | | | | | | | | | | |
| Total | 0.4353 | 15.8591 | 2.7038 | 0.0230 | 0.2569 | 0.0246 | 0.2814 | 0.0705 | 0.0235 | 0.0940 | 0.0000 | 2,256.782₃ | 2,256.782₃ | 0.2760 | 0.0000 | 0.0000 | 2,263.681₁ |

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3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | No Construction | Building Construction | 1/1/2019 | 12/31/2018 | 5 | 0 | |

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 20

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------|---------------------------|--------|-------------|-------------|-------------|
| No Construction | Cranes | 0 | 7.00 | 231 | 0.29 |
| No Construction | Forklifts | 0 | 8.00 | 89 | 0.20 |
| No Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| No Construction | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| No Construction | Welders | 0 | 8.00 | 46 | 0.45 |

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 |
|-----------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| No Construction | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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| Category | tons/yr | | | | | | | | | | | MT/yr | | | | |
|-------------|---------|---------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Mitigated | 0.3668 | 15.8591 | 2.7035 | 0.0230 | 0.2569 | 0.0246 | 0.2814 | 0.0705 | 0.0235 | 0.0940 | 0.0000 | 2,256.7818 | 2,256.7818 | 0.2760 | 0.0000 | 2,263.6806 |
| Unmitigated | 0.3668 | 15.8591 | 2.7035 | 0.0230 | 0.2569 | 0.0246 | 0.2814 | 0.0705 | 0.0235 | 0.0940 | 0.0000 | 2,256.7818 | 2,256.7818 | 0.2760 | 0.0000 | 2,263.6806 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | | Mitigated | |
|------------------------|-------------------------|----------|--------|-------------|------------|------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT | Annual VMT | Annual VMT |
| Other Asphalt Surfaces | 715.00 | 715.00 | 715.00 | 598,598 | 598,598 | 598,598 | 598,598 |
| Total | 715.00 | 715.00 | 715.00 | 598,598 | 598,598 | 598,598 | 598,598 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | | |
|------------------------|------------|-------------|------------|------------|-------------|---------|----------------|---------|----------|---------|
| | H-W 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 | Diverted | Pass-by |
| Other Asphalt Surfaces | 0.00 | 2.30 | 0.00 | 100.00 | 0.00 | 100 | 0 | 0 | 0 | 0 |

4.4 Fleet Mix

| | | | | | | | | | | | | | |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
| Other Asphalt Surfaces | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |

5.0 Energy Detail

Historical Energy Use: N

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5.3 Energy by Land Use - Electricity

Mitigated

| Land Use | Electricity Use kWh/yr | Total CO2 | CH4 | N2O | CO2e |
|------------------------|---------------------------|---------------|---------------|---------------|---------------|
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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6.0 Area Detail

6.1 Mitigation Measures Area

| Category | tons/yr | | | | | | | | | | | | | | | | |
|-------------|---------|--------|-------------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-------------|-------------|--------|--------|--------|-------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Mitigated | 0.0685 | 0.0000 | 2.6000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 5.0000e-004 | 5.0000e-004 | 0.0000 | 0.0000 | 0.0000 | 5.3000e-004 |
| Unmitigated | 0.0685 | 0.0000 | 2.6000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 5.0000e-004 | 5.0000e-004 | 0.0000 | 0.0000 | 0.0000 | 5.3000e-004 |

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6.2 Area by SubCategory

Unmitigated

| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
|-----------------------|---------------|---------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Architectural Coating | 0.0121 | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0563 | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 2.0000e-005 | 0.0000 | 2.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 5.0000e-004 | 5.0000e-004 | 0.0000 | 0.0000 | 5.3000e-004 |
| Total | 0.0685 | 0.0000 | 2.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 5.0000e-004 | 5.0000e-004 | 0.0000 | 0.0000 | 5.3000e-004 |

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Mitigated

| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
|-----------------------|---------------|---------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Architectural Coating | 0.0121 | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0563 | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 2.0000e-005 | 0.0000 | 2.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 5.0000e-004 | 5.0000e-004 | 0.0000 | 0.0000 | 5.3000e-004 |
| Total | 0.0685 | 0.0000 | 2.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 5.0000e-004 | 5.0000e-004 | 0.0000 | 0.0000 | 5.3000e-004 |

7.0 Water Detail

7.1 Mitigation Measures Water

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

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7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------------------|---------------|---------------|---------------|---------------|
| Land Use | Mgal | MT/yr | | | |
| Other Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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7.2 Water by Land Use

Mitigated

| Land Use | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------------------|---------------|---------------|---------------|---------------|
| | Mgal | MT/yr | | | |
| Other Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

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

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Annual

8.2 Waste by Land Use

Unmitigated

| Land Use | Waste Disposed tons | Total CO2 | CH4 | N2O | CO2e |
|------------------------|------------------------|---------------|---------------|---------------|---------------|
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Mitigated

| Land Use | Waste Disposed tons | Total CO2 | CH4 | N2O | CO2e |
|------------------------|------------------------|---------------|---------------|---------------|---------------|
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

9.0 Operational Offroad

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

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Annual

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

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Summer

3117 - Shippers (715 Trucks)
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|-------|--------|-------------|--------------------|------------|
| Other Asphalt Surfaces | 20.00 | Acre | 20.00 | 871,200.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------|-------|-------------------------|-----|----------------------------------|------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 33 |
| Climate Zone | 11 | | | Operational Year | 2019 |

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Utility Company Los Angeles Department of Water & Power

| | | | | | |
|---------------------------------|---------|---------------------------------|-------|---------------------------------|-------|
| CO2 Intensity (lb/MW/hr) | 1227.89 | CH4 Intensity (lb/MW/hr) | 0.029 | N2O Intensity (lb/MW/hr) | 0.006 |
|---------------------------------|---------|---------------------------------|-------|---------------------------------|-------|

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Trucks and Workers.
- Construction Phase - No Construction
- Off-road Equipment - No Construction
- Trips and VMT - No Construction.
- On-road Fugitive Dust - No Construction
- Vehicle Trips - 715 Trucks per day. 2.3 miles difference between existing and proposed project.
- Construction Off-road Equipment Mitigation -
- Fleet Mix - HHDT (100%)

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Summer

| Table Name | Column Name | Default Value | New Value |
|----------------------|----------------------------|---------------|-----------|
| tblConstructionPhase | NumDays | 300.00 | 0.00 |
| tblFleetMix | HHD | 0.03 | 1.00 |
| tblFleetMix | LDA | 0.55 | 0.00 |
| tblFleetMix | LDT1 | 0.05 | 0.00 |
| tblFleetMix | LDT2 | 0.20 | 0.00 |
| tblFleetMix | LHD1 | 0.02 | 0.00 |
| tblFleetMix | LHD2 | 6.0250e-003 | 0.00 |
| tblFleetMix | MCY | 4.9150e-003 | 0.00 |
| tblFleetMix | MDV | 0.12 | 0.00 |
| tblFleetMix | MH | 9.2500e-004 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | OBUS | 2.3910e-003 | 0.00 |
| tblFleetMix | SBUS | 6.7200e-004 | 0.00 |
| tblFleetMix | UBUS | 2.4690e-003 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOnRoadDust | MeanVehicleSpeed | 40.00 | 0.00 |
| tblOnRoadDust | RoadSiltLoading | 0.10 | 0.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 0.00 |
| tblTripsAndVMT | VendorTripLength | 6.90 | 0.00 |
| tblTripsAndVMT | VendorTripNumber | 143.00 | 0.00 |
| tblTripsAndVMT | WorkerTripLength | 14.70 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 366.00 | 0.00 |

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Summer

| | | | |
|----------------|--------|-------|--------|
| tbVehicleTrips | CC_TL | 8.40 | 2.30 |
| tbVehicleTrips | CC_TTP | 0.00 | 100.00 |
| tbVehicleTrips | CNW_TL | 6.90 | 0.00 |
| tbVehicleTrips | CW_TL | 16.60 | 0.00 |
| tbVehicleTrips | PR_TP | 0.00 | 100.00 |
| tbVehicleTrips | ST_TR | 0.00 | 35.75 |
| tbVehicleTrips | SU_TR | 0.00 | 35.75 |
| tbVehicleTrips | WD_TR | 0.00 | 35.75 |

2.0 Emissions Summary

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

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Summer

2.2 Overall Operational
Unmitigated Operational

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|--------------------|--------------------|---------------|---------------|--------------------|
| | lb/day | | | | | | | | | | | | | | | |
| Area | 0.3752 | 2.0000e-005 | 2.06000e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | | 4.6700e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 1.9394 | 87.4680 | 13.3136 | 0.1308 | 1.4359 | 0.1288 | 1.5647 | 0.3934 | 0.1233 | 0.5167 | | 14,125.1314 | 14,125.1314 | 1.6010 | | 14,165.1556 |
| Total | 2.3145 | 87.4680 | 13.3156 | 0.1308 | 1.4359 | 0.1289 | 1.5647 | 0.3934 | 0.1233 | 0.5167 | | 14,125.1358 | 14,125.1358 | 1.6010 | 0.0000 | 14,165.1603 |

Mitigated Operational

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|--------------------|--------------------|---------------|---------------|--------------------|
| | lb/day | | | | | | | | | | | | | | | |
| Area | 0.3752 | 2.0000e-005 | 2.06000e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | | 4.6700e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 1.9394 | 87.4680 | 13.3136 | 0.1308 | 1.4359 | 0.1288 | 1.5647 | 0.3934 | 0.1233 | 0.5167 | | 14,125.1314 | 14,125.1314 | 1.6010 | | 14,165.1556 |
| Total | 2.3145 | 87.4680 | 13.3156 | 0.1308 | 1.4359 | 0.1289 | 1.5647 | 0.3934 | 0.1233 | 0.5167 | | 14,125.1358 | 14,125.1358 | 1.6010 | 0.0000 | 14,165.1603 |

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Summer

| ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| 0.00 | 0.00 | 0.00 | 0.00 | 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 | No Construction | Building Construction | 1/1/2019 | 12/31/2018 | 5 | 0 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 20

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------|---------------------------|--------|-------------|-------------|-------------|
| No Construction | Cranes | 0 | 7.00 | 231 | 0.29 |
| No Construction | Forklifts | 0 | 8.00 | 89 | 0.20 |
| No Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| No Construction | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| No Construction | Welders | 0 | 8.00 | 46 | 0.45 |

Trips and VMT

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Summer

| 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 |
|-----------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| No Construction | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

| Category | lb/day | | | | | | | | | | | | | | | |
|-------------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|-----------|-----------|-----------|--------|-----|-----------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Mitigated | 1.9394 | 87.4680 | 13.3136 | 0.1308 | 1.4359 | 0.1288 | 1.5647 | 0.3934 | 0.1233 | 0.5167 | 14,125.13 | 14 | 14,125.13 | 1.6010 | | 14,165.15 |
| Unmitigated | 1.9394 | 87.4680 | 13.3136 | 0.1308 | 1.4359 | 0.1288 | 1.5647 | 0.3934 | 0.1233 | 0.5167 | 14,125.13 | 14 | 14,125.13 | 1.6010 | | 14,165.15 |

4.2 Trip Summary Information

| | Average Daily Trip Rate | | Unmitigated | | Mitigated | |
|------------------------|-------------------------|----------|-------------|------------|------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT | Annual VMT |
| Land Use | | | | | | |
| Other Asphalt Surfaces | 715.00 | 715.00 | 715.00 | 598,598 | 598,598 | 598,598 |
| Total | 715.00 | 715.00 | 715.00 | 598,598 | 598,598 | 598,598 |

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Summer

4.3 Trip Type Information

| Miles | | | | Trip % | | | | Trip Purpose % | | | | |
|------------------------|------------|------------|-------------|------------|------------|-------------|---------|----------------|---------|--|--|--|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by | | | |
| Other Asphalt Surfaces | 0.00 | 2.30 | 0.00 | 0.00 | 100.00 | 0.00 | 100 | 0 | 0 | | | |

4.4 Fleet Mix

| | | | | | | | | | | | | | |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
| Other Asphalt Surfaces | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| Category | lb/day | | | | | | | | | | lb/day | | | | | |
|------------------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|--------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| NaturalGas Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Summer

5.2 Energy by Land Use - Natural Gas

Unmitigated

| Land Use | Natural Gas Use kBtu/yr | lb/day | | | | | | | | | | CO ₂ e | | | | | |
|------------------------|----------------------------|---------------|---------------|---------------|-----------------|---------------------------|--------------------------|------------------------|----------------------------|---------------------------|-------------------------|-------------------|---------------------|----------------------|-----------------------|-----------------|------------------|
| | | ROG | NOx | CO | SO ₂ | Fugitive PM ₁₀ | Exhaust PM ₁₀ | PM ₁₀ Total | Fugitive PM _{2.5} | Exhaust PM _{2.5} | PM _{2.5} Total | | Bio-CO ₂ | NBio-CO ₂ | Total CO ₂ | CH ₄ | N ₂ O |
| 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 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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Mitigated

| Land Use | Natural Gas Use kBtu/yr | lb/day | | | | | | | | | | CO ₂ e | | | | | |
|------------------------|----------------------------|---------------|---------------|---------------|-----------------|---------------------------|--------------------------|------------------------|----------------------------|---------------------------|-------------------------|-------------------|---------------------|----------------------|-----------------------|-----------------|------------------|
| | | ROG | NOx | CO | SO ₂ | Fugitive PM ₁₀ | Exhaust PM ₁₀ | PM ₁₀ Total | Fugitive PM _{2.5} | Exhaust PM _{2.5} | PM _{2.5} Total | | Bio-CO ₂ | NBio-CO ₂ | Total CO ₂ | CH ₄ | N ₂ O |
| 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 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

6.0 Area Detail

6.1 Mitigation Measures Area

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Summer

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|-------------|-------------|--------|---------------|--------------|-------------|----------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| lb/day | | | | | | | | | | | | | | | | |
| Mitigated | 0.3752 | 2.0000e-005 | 2.0600e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 4.3800e-003 | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | 1.0000e-005 | 4.6700e-003 |
| Unmitigated | 0.3752 | 2.0000e-005 | 2.0600e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 4.3800e-003 | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | 1.0000e-005 | 4.6700e-003 |

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6.2 Area by SubCategory

Unmitigated

| SubCategory | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| lb/day | | | | | | | | | | | | | | | | |
| Architectural Coating | 0.0664 | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.3086 | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.0000e-004 | 2.0000e-005 | 2.0600e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 4.3800e-003 | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | 1.0000e-005 | 4.6700e-003 |
| Total | 0.3752 | 2.0000e-005 | 2.0600e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 4.3800e-003 | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | 1.0000e-005 | 4.6700e-003 |

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Summer

6.2 Area by SubCategory

Mitigated

| SubCategory | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|----------|--------------------|--------------------|--------------------|-----|--------------------|
| | lb/day | | | | | | | | | | | | | | | |
| Architectural Coating | 0.0664 | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.3086 | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.0000e-004 | 2.0000e-005 | 2.0600e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | | 4.6700e-003 |
| Total | 0.3752 | 2.0000e-005 | 2.0600e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | | 4.6700e-003 |

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7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Summer

| | | | | | | |
|----------------|--------|-----------|------------|-------------|-------------|-----------|
| 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

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Winter

3117 - Shippers (715 Trucks)

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|-------|--------|-------------|--------------------|------------|
| Other Asphalt Surfaces | 20.00 | Acre | 20.00 | 871,200.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------|-------|-------------------------|-----|----------------------------------|------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 33 |
| Climate Zone | 11 | | | Operational Year | 2019 |

Utility Company Los Angeles Department of Water & Power

| | | | | | |
|---------------------------------|---------|---------------------------------|-------|---------------------------------|-------|
| CO2 Intensity (lb/MW/hr) | 1227.89 | CH4 Intensity (lb/MW/hr) | 0.029 | N2O Intensity (lb/MW/hr) | 0.006 |
|---------------------------------|---------|---------------------------------|-------|---------------------------------|-------|

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Trucks and Workers.

Construction Phase - No Construction

Off-road Equipment - No Construction

Trips and VMT - No Construction.

On-road Fugitive Dust - No Construction

Vehicle Trips - 715 Trucks per day. 2.3 miles difference between existing and proposed project.

Construction Off-road Equipment Mitigation -

Fleet Mix - HHDT (100%)

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Winter

| Table Name | Column Name | Default Value | New Value |
|----------------------|----------------------------|---------------|-----------|
| tblConstructionPhase | NumDays | 300.00 | 0.00 |
| tblFleetMix | HHD | 0.03 | 1.00 |
| tblFleetMix | LDA | 0.55 | 0.00 |
| tblFleetMix | LDT1 | 0.05 | 0.00 |
| tblFleetMix | LDT2 | 0.20 | 0.00 |
| tblFleetMix | LHD1 | 0.02 | 0.00 |
| tblFleetMix | LHD2 | 6.0250e-003 | 0.00 |
| tblFleetMix | MCY | 4.9150e-003 | 0.00 |
| tblFleetMix | MDV | 0.12 | 0.00 |
| tblFleetMix | MH | 9.2500e-004 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | OBUS | 2.3910e-003 | 0.00 |
| tblFleetMix | SBUS | 6.7200e-004 | 0.00 |
| tblFleetMix | UBUS | 2.4690e-003 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOnRoadDust | MeanVehicleSpeed | 40.00 | 0.00 |
| tblOnRoadDust | RoadSiltLoading | 0.10 | 0.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 0.00 |
| tblTripsAndVMT | VendorTripLength | 6.90 | 0.00 |
| tblTripsAndVMT | VendorTripNumber | 143.00 | 0.00 |
| tblTripsAndVMT | WorkerTripLength | 14.70 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 366.00 | 0.00 |

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Winter

| | | | |
|----------------|--------|-------|--------|
| tbVehicleTrips | CC_TL | 8.40 | 2.30 |
| tbVehicleTrips | CC_TTP | 0.00 | 100.00 |
| tbVehicleTrips | CNW_TL | 6.90 | 0.00 |
| tbVehicleTrips | CW_TL | 16.60 | 0.00 |
| tbVehicleTrips | PR_TP | 0.00 | 100.00 |
| tbVehicleTrips | ST_TR | 0.00 | 35.75 |
| tbVehicleTrips | SU_TR | 0.00 | 35.75 |
| tbVehicleTrips | WD_TR | 0.00 | 35.75 |

2.0 Emissions Summary

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

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Winter

2.2 Overall Operational
Unmitigated Operational

| Category | lb/day | | | | | | | | | | | | | | | |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|------------------|------------------|------------------|---------------|---------------|------------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Area | 0.3752 | 2.0000e-005 | 2.0600e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 4.3800e-003 | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | 0.0000 | 4.6700e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 2.1095 | 85.2547 | 16.7040 | 0.1211 | 1.4359 | 0.1439 | 1.5798 | 0.3934 | 0.1377 | 0.5311 | 13.076.79 | 13.076.79 | 13.076.79 | 1.7648 | 0.0000 | 13,120.91 |
| Total | 2.4847 | 85.2547 | 16.7060 | 0.1211 | 1.4359 | 0.1439 | 1.5798 | 0.3934 | 0.1377 | 0.5311 | 13,076.79 | 13,076.79 | 13,076.79 | 1.7648 | 0.0000 | 13,120.91 |

Mitigated Operational

| Category | lb/day | | | | | | | | | | | | | | | |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|------------------|------------------|------------------|---------------|---------------|------------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Area | 0.3752 | 2.0000e-005 | 2.0600e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 4.3800e-003 | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | 0.0000 | 4.6700e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 2.1095 | 85.2547 | 16.7040 | 0.1211 | 1.4359 | 0.1439 | 1.5798 | 0.3934 | 0.1377 | 0.5311 | 13.076.79 | 13.076.79 | 13.076.79 | 1.7648 | 0.0000 | 13,120.91 |
| Total | 2.4847 | 85.2547 | 16.7060 | 0.1211 | 1.4359 | 0.1439 | 1.5798 | 0.3934 | 0.1377 | 0.5311 | 13,076.79 | 13,076.79 | 13,076.79 | 1.7648 | 0.0000 | 13,120.91 |

3117 - Shippers (715 Trucks) - 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 |
|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| 0.00 | 0.00 | 0.00 | 0.00 | 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 | No Construction | Building Construction | 1/1/2019 | 12/31/2018 | 5 | 0 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 20

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------|---------------------------|--------|-------------|-------------|-------------|
| No Construction | Cranes | 0 | 7.00 | 231 | 0.29 |
| No Construction | Forklifts | 0 | 8.00 | 89 | 0.20 |
| No Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| No Construction | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| No Construction | Welders | 0 | 8.00 | 46 | 0.45 |

Trips and VMT

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Winter

| | | | | | | | | | | |
|-----------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| 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 |
| No Construction | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

| Category | lb/day | | | | | | | | | | | | | | | |
|-------------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|-----------|-----------|-----------|--------|-----|-----------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Mitigated | 2.1095 | 85.2547 | 16.7040 | 0.1211 | 1.4359 | 0.1439 | 1.5798 | 0.3934 | 0.1377 | 0.5311 | 13,076.79 | 31 | 13,076.79 | 1.7648 | | 13,120.91 |
| Unmitigated | 2.1095 | 85.2547 | 16.7040 | 0.1211 | 1.4359 | 0.1439 | 1.5798 | 0.3934 | 0.1377 | 0.5311 | 13,076.79 | 31 | 13,076.79 | 1.7648 | | 13,120.91 |

4.2 Trip Summary Information

| | Average Daily Trip Rate | | Unmitigated | | Mitigated | |
|------------------------|-------------------------|----------|-------------|------------|------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT | Annual VMT |
| Land Use | | | | | | |
| Other Asphalt Surfaces | 715.00 | 715.00 | 715.00 | 598,598 | 598,598 | 598,598 |
| Total | 715.00 | 715.00 | 715.00 | 598,598 | 598,598 | 598,598 |

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Winter

4.3 Trip Type Information

| Miles | | | | Trip % | | | | Trip Purpose % | | | | |
|------------------------|------------|------------|-------------|------------|------------|-------------|---------|----------------|---------|--|--|--|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by | | | |
| Other Asphalt Surfaces | 0.00 | 2.30 | 0.00 | 0.00 | 100.00 | 0.00 | 100 | 0 | 0 | | | |

4.4 Fleet Mix

| | | | | | | | | | | | | | |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
| Other Asphalt Surfaces | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| Category | lb/day | | | | | | | | | | lb/day | | | | | |
|------------------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|--------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| NaturalGas Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Winter

5.2 Energy by Land Use - Natural Gas

Unmitigated

| Land Use | Natural Gas Use kBtu/yr | lb/day | | | | | | | | | | CO2e | | | | | |
|------------------------|----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O |
| 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 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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Mitigated

| Land Use | Natural Gas Use kBtu/yr | lb/day | | | | | | | | | | CO2e | | | | | |
|------------------------|----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O |
| 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 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

6.0 Area Detail

6.1 Mitigation Measures Area

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Winter

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|-------------|-------------|--------|---------------|--------------|-------------|----------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| lb/day | | | | | | | | | | | | | | | | |
| Mitigated | 0.3752 | 2.0000e-005 | 2.0600e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 4.3800e-003 | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | 1.0000e-005 | 4.6700e-003 |
| Unmitigated | 0.3752 | 2.0000e-005 | 2.0600e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 4.3800e-003 | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | 1.0000e-005 | 4.6700e-003 |

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6.2 Area by SubCategory

Unmitigated

| SubCategory | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| lb/day | | | | | | | | | | | | | | | | |
| Architectural Coating | 0.0664 | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.3086 | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.0000e-004 | 2.0000e-005 | 2.0600e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 4.3800e-003 | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | 1.0000e-005 | 4.6700e-003 |
| Total | 0.3752 | 2.0000e-005 | 2.0600e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 4.3800e-003 | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | 1.0000e-005 | 4.6700e-003 |

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Winter

6.2 Area by SubCategory

Mitigated

| SubCategory | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|---------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|----------|--------------------|--------------------|--------------------|-----|--------------------|
| | lb/day | | | | | | | | | | | | | | | |
| Architectural Coating | 0.0664 | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.3086 | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.0000e-004 | 2.0000e-005 | 2.06000e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | | 4.6700e-003 |
| Total | 0.3752 | 2.0000e-005 | 2.06000e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | | 4.6700e-003 |

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7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

3117 - Shippers (715 Trucks) - Los Angeles-South Coast County, Winter

| | | | | | | |
|----------------|--------|-----------|------------|-------------|-------------|-----------|
| 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

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Annual
3117 - Shippers (6 Workers)
 Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|-------|--------|-------------|--------------------|------------|
| Other Asphalt Surfaces | 20.00 | Acre | 20.00 | 871,200.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------|-------|-------------------------|-----|----------------------------------|------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 33 |
| Climate Zone | 11 | | | Operational Year | 2019 |

Utility Company Los Angeles Department of Water & Power

| | | | | | |
|---------------------------------|---------|---------------------------------|-------|---------------------------------|-------|
| CO2 Intensity (lb/MW/hr) | 1227.89 | CH4 Intensity (lb/MW/hr) | 0.029 | N2O Intensity (lb/MW/hr) | 0.006 |
|---------------------------------|---------|---------------------------------|-------|---------------------------------|-------|

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Trucks and Workers.
- Construction Phase - No Construction
- Off-road Equipment - No Construction
- Trips and VMT - No Construction.
- Fleet Mix - 6 Workers (34% light auto, 33% LDT1, 33% LDT2)
- Construction Off-road Equipment Mitigation -
- Vehicle Trips - 6 workers. 30.4 miles round trip average for LA County (SCAQMD).
- On-road Fugitive Dust - No Construction

| Table Name | Column Name | Default Value | New Value |
|----------------------|----------------------------|---------------|------------|
| tblConstructionPhase | NumDays | 300.00 | 0.00 |
| tblConstructionPhase | PhaseEndDate | 4/20/2020 | 12/31/2018 |
| tblConstructionPhase | PhaseStartDate | 2/26/2019 | 1/1/2019 |
| tblFleetMix | HHD | 0.03 | 0.00 |
| tblFleetMix | LDA | 0.55 | 0.34 |
| tblFleetMix | LDT1 | 0.05 | 0.33 |
| tblFleetMix | LDT2 | 0.20 | 0.33 |
| tblFleetMix | LHD1 | 0.02 | 0.00 |
| tblFleetMix | LHD2 | 6.0250e-003 | 0.00 |
| tblFleetMix | MCY | 4.9150e-003 | 0.00 |
| tblFleetMix | MDV | 0.12 | 0.00 |
| tblFleetMix | MH | 9.2500e-004 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | OBUS | 2.3910e-003 | 0.00 |
| tblFleetMix | SBUS | 6.7200e-004 | 0.00 |
| tblFleetMix | UBUS | 2.4690e-003 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOnRoadDust | MeanVehicleSpeed | 40.00 | 0.00 |
| tblOnRoadDust | RoadSiltLoading | 0.10 | 0.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 0.00 |
| tblTripsAndVMT | VendorTripLength | 6.90 | 0.00 |
| tblTripsAndVMT | VendorTripNumber | 143.00 | 0.00 |

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Annual

| | | | |
|-----------------|------------------|--------|--------|
| tblTripsAndVMT | WorkerTripLength | 14.70 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 366.00 | 0.00 |
| tblVehicleTrips | CC_TL | 8.40 | 0.00 |
| tblVehicleTrips | CNW_TL | 6.90 | 0.00 |
| tblVehicleTrips | CW_TL | 16.60 | 30.40 |
| tblVehicleTrips | CW_TTP | 0.00 | 100.00 |
| tblVehicleTrips | PR_TP | 0.00 | 100.00 |
| tblVehicleTrips | ST_TR | 0.00 | 0.30 |
| tblVehicleTrips | SU_TR | 0.00 | 0.30 |
| tblVehicleTrips | WD_TR | 0.00 | 0.30 |

2.0 Emissions Summary

| ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|-------------------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|----------|--|--|
| | | Highest | | |

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Annual

2.2 Overall Operational
Unmitigated Operational

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Area | 0.0685 | 0.0000 | 2.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.0000e-004 | 0.0000 | 0.0000 | 0.0000 | 5.3000e-004 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 3.9000e-003 | 0.0101 | 0.1062 | 2.7000e-004 | 0.0247 | 2.2000e-004 | 0.0249 | 6.5600e-003 | 2.0000e-004 | 6.7700e-003 | 0.0000 | 24.3660 | 24.3660 | 8.7000e-004 | 0.0000 | 24.3878 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0724 | 0.0101 | 0.1065 | 2.7000e-004 | 0.0247 | 2.2000e-004 | 0.0249 | 6.5600e-003 | 2.0000e-004 | 6.7700e-003 | 0.0000 | 24.3665 | 24.3665 | 8.7000e-004 | 0.0000 | 24.3884 |

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Annual

2.2 Overall Operational

Mitigated Operational

| Category | tons/yr | | | | | | | | | | | MT/yr | | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|---------------|----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Area | 0.0685 | 0.0000 | 2.6000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 5.0000e-004 | 5.0000e-004 | 0.0000 | 0.0000 | 0.0000 | 5.3000e-004 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 3.9000e-003 | 0.0101 | 0.1062 | 2.7000e-004 | 0.0247 | 2.2000e-004 | 0.0249 | 6.5600e-003 | 2.0000e-004 | 6.7700e-003 | 0.0000 | 24.3660 | 24.3660 | 8.7000e-004 | 0.0000 | 0.0000 | 24.3878 |
| Waste | | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0724 | 0.0101 | 0.1065 | 2.7000e-004 | 0.0247 | 2.2000e-004 | 0.0249 | 6.5600e-003 | 2.0000e-004 | 6.7700e-003 | 0.0000 | 24.3665 | 24.3665 | 8.7000e-004 | 0.0000 | 0.0000 | 24.3884 |

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| Percent Reduction | tons/yr | | | | | | | | | | | MT/yr | | | | |
|-------------------|---------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|------|------|------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | No Construction | Building Construction | 1/1/2019 | 12/31/2018 | 5 | 0 | |

Acres of Grading (Site Preparation Phase): 0

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Annual

Acres of Grading (Grading Phase): 0

Acres of Paving: 20

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------|---------------------------|--------|-------------|-------------|-------------|
| No Construction | Cranes | 0 | 7.00 | 231 | 0.29 |
| No Construction | Forklifts | 0 | 8.00 | 89 | 0.20 |
| No Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| No Construction | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| No Construction | Welders | 0 | 8.00 | 46 | 0.45 |

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 |
|-----------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| No Construction | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Annual

| Category | tons/yr | | | | | | | | | | | | | | MT/yr | | | |
|-------------|-------------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|--------|---------|--|--|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | | |
| Mitigated | 3.9000e-003 | 0.0101 | 0.1062 | 2.7000e-004 | 0.0247 | 2.2000e-004 | 0.0249 | 6.5600e-003 | 2.0000e-004 | 6.7700e-003 | 0.0000 | 24.3660 | 24.3660 | 8.7000e-004 | 0.0000 | 24.3878 | | |
| Unmitigated | 3.9000e-003 | 0.0101 | 0.1062 | 2.7000e-004 | 0.0247 | 2.2000e-004 | 0.0249 | 6.5600e-003 | 2.0000e-004 | 6.7700e-003 | 0.0000 | 24.3660 | 24.3660 | 8.7000e-004 | 0.0000 | 24.3878 | | |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | | Mitigated | |
|------------------------|-------------------------|----------|--------|-------------|------------|------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT | Annual VMT | Annual VMT |
| Other Asphalt Surfaces | 6.00 | 6.00 | 6.00 | 66,394 | 66,394 | 66,394 | 66,394 |
| Total | 6.00 | 6.00 | 6.00 | 66,394 | 66,394 | 66,394 | 66,394 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|------------------------|------------|-------------|------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-C | H-O or C-NW | H-S or C-C | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Other Asphalt Surfaces | 30.40 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 100 | 0 | 0 |

4.4 Fleet Mix

| | | | | | | | | | | | | | |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
| Other Asphalt Surfaces | 0.340000 | 0.330000 | 0.330000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |

5.0 Energy Detail

Historical Energy Use: N

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Annual

5.1 Mitigation Measures Energy

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

A-5

5.2 Energy by Land Use - NaturalGas

Unmitigated

| Land Use | NaturalGas Use kBtu/yr | tons/yr | | | | | | | | | | MT/yr | | | | |
|------------------------|---------------------------|---------------|---------------|---------------|---------------|---------------|---------------|------------|----------------|---------------|-------------|----------|---------------|---------------|---------------|---------------|
| | | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O |
| 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 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Annual

5.2 Energy by Land Use - Natural Gas

Mitigated

| Land Use | Natural Gas Use kBtu/yr | tons/yr | | | | | | | | | | MT/yr | | | | | | |
|------------------------|----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e | |
| 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 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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5.3 Energy by Land Use - Electricity

Unmitigated

| Land Use | Electricity Use kWh/yr | MT/yr | | | | | |
|------------------------|---------------------------|---------------|---------------|---------------|---------------|---------------|--|
| | | Total CO2 | CH4 | N2O | CO2e | | |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

| Land Use | Electricity Use kWh/yr | Total CO2 | CH4 | N2O | CO2e |
|------------------------|---------------------------|---------------|---------------|---------------|---------------|
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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6.0 Area Detail

6.1 Mitigation Measures Area

| Category | tons/yr | | | | | | | | | | | | | | | | |
|-------------|---------|--------|-------------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-------------|-------------|--------|--------|--------|-------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Mitigated | 0.0685 | 0.0000 | 2.6000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 5.0000e-004 | 5.0000e-004 | 0.0000 | 0.0000 | 0.0000 | 5.3000e-004 |
| Unmitigated | 0.0685 | 0.0000 | 2.6000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 5.0000e-004 | 5.0000e-004 | 0.0000 | 0.0000 | 0.0000 | 5.3000e-004 |

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Annual

6.2 Area by SubCategory

Unmitigated

| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | | |
|-----------------------|---------------|---------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Architectural Coating | 0.0121 | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0563 | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 2.0000e-005 | 0.0000 | 2.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 5.0000e-004 | 5.0000e-004 | 0.0000 | 0.0000 | 0.0000 | 5.3000e-004 |
| Total | 0.0685 | 0.0000 | 2.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 5.0000e-004 | 5.0000e-004 | 0.0000 | 0.0000 | 0.0000 | 5.3000e-004 |

Mitigated

| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | | |
|-----------------------|---------------|---------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Architectural Coating | 0.0121 | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0563 | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 2.0000e-005 | 0.0000 | 2.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 5.0000e-004 | 5.0000e-004 | 0.0000 | 0.0000 | 0.0000 | 5.3000e-004 |
| Total | 0.0685 | 0.0000 | 2.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 5.0000e-004 | 5.0000e-004 | 0.0000 | 0.0000 | 0.0000 | 5.3000e-004 |

7.0 Water Detail

7.1 Mitigation Measures Water

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

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7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------------------|---------------|---------------|---------------|---------------|
| Land Use | Mgal | | | | |
| Other Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Annual

7.2 Water by Land Use

Mitigated

| Land Use | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------------------|---------------|---------------|---------------|---------------|
| | Mgal | MT/yr | | | |
| Other Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

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

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Annual

8.2 Waste by Land Use

Unmitigated

| Land Use | Waste Disposed tons | Total CO2 | CH4 | N2O | CO2e |
|------------------------|------------------------|---------------|---------------|---------------|---------------|
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Mitigated

| Land Use | Waste Disposed tons | Total CO2 | CH4 | N2O | CO2e |
|------------------------|------------------------|---------------|---------------|---------------|---------------|
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

9.0 Operational Offroad

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

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Annual

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

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Summer

3117 - Shippers (6 Workers)
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|-------|--------|-------------|--------------------|------------|
| Other Asphalt Surfaces | 20.00 | Acre | 20.00 | 871,200.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------|-------|-------------------------|-----|----------------------------------|------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 33 |
| Climate Zone | 11 | | | Operational Year | 2019 |

Utility Company Los Angeles Department of Water & Power

| | | | | | |
|---------------------------------|---------|---------------------------------|-------|---------------------------------|-------|
| CO2 Intensity (lb/MW/hr) | 1227.89 | CH4 Intensity (lb/MW/hr) | 0.029 | N2O Intensity (lb/MW/hr) | 0.006 |
|---------------------------------|---------|---------------------------------|-------|---------------------------------|-------|

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Trucks and Workers.

Construction Phase - No Construction

Off-road Equipment - No Construction

Trips and VMT - No Construction.

Fleet Mix - 6 Workers (34% light auto, 33% LDT1, 33% LDT2)

Construction Off-road Equipment Mitigation -

Vehicle Trips - 6 workers. 30.4 miles round trip average for LA County (SCAQMD).

On-road Fugitive Dust - No Construction

| Table Name | Column Name | Default Value | New Value |
|----------------------|----------------------------|---------------|------------|
| tblConstructionPhase | NumDays | 300.00 | 0.00 |
| tblConstructionPhase | PhaseEndDate | 4/20/2020 | 12/31/2018 |
| tblConstructionPhase | PhaseStartDate | 2/26/2019 | 1/1/2019 |
| tblFleetMix | HHD | 0.03 | 0.00 |
| tblFleetMix | LDA | 0.55 | 0.34 |
| tblFleetMix | LDT1 | 0.05 | 0.33 |
| tblFleetMix | LDT2 | 0.20 | 0.33 |
| tblFleetMix | LHD1 | 0.02 | 0.00 |
| tblFleetMix | LHD2 | 6.0250e-003 | 0.00 |
| tblFleetMix | MCY | 4.9150e-003 | 0.00 |
| tblFleetMix | MDV | 0.12 | 0.00 |
| tblFleetMix | MH | 9.2500e-004 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | OBUS | 2.3910e-003 | 0.00 |
| tblFleetMix | SBUS | 6.7200e-004 | 0.00 |
| tblFleetMix | UBUS | 2.4690e-003 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOnRoadDust | MeanVehicleSpeed | 40.00 | 0.00 |
| tblOnRoadDust | RoadSiltLoading | 0.10 | 0.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 0.00 |
| tblTripsAndVMT | VendorTripLength | 6.90 | 0.00 |
| tblTripsAndVMT | VendorTripNumber | 143.00 | 0.00 |

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Summer

| | | | |
|-----------------|------------------|--------|--------|
| tblTripsAndVMT | WorkerTripLength | 14.70 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 366.00 | 0.00 |
| tblVehicleTrips | CC_TL | 8.40 | 0.00 |
| tblVehicleTrips | CNW_TL | 6.90 | 0.00 |
| tblVehicleTrips | CW_TL | 16.60 | 30.40 |
| tblVehicleTrips | CW_TTP | 0.00 | 100.00 |
| tblVehicleTrips | PR_TP | 0.00 | 100.00 |
| tblVehicleTrips | ST_TR | 0.00 | 0.30 |
| tblVehicleTrips | SU_TR | 0.00 | 0.30 |
| tblVehicleTrips | WD_TR | 0.00 | 0.30 |

2.0 Emissions Summary

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Summer

**2.2 Overall Operational
Unmitigated Operational**

| Category | lb/day | | | | | | | | | | | | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|-----------------|--------------------|---------------|-----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Area | 0.3752 | 2.0000e-005 | 2.0600e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 4.3800e-003 | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | 0.0000 | 4.6700e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0229 | 0.0486 | 0.6267 | 1.5500e-003 | 0.1386 | 1.2000e-003 | 0.1398 | 0.0367 | 1.1100e-003 | 0.0378 | 154.3393 | 154.3393 | 154.3393 | 5.5500e-003 | 0.0000 | 154.4781 |
| Total | 0.3981 | 0.0487 | 0.6288 | 1.5500e-003 | 0.1386 | 1.2100e-003 | 0.1398 | 0.0367 | 1.1200e-003 | 0.0379 | 154.3436 | 154.3436 | 154.3436 | 5.5600e-003 | 0.0000 | 154.4828 |

Mitigated Operational

| Category | lb/day | | | | | | | | | | | | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|-----------------|--------------------|---------------|-----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Area | 0.3752 | 2.0000e-005 | 2.0600e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 4.3800e-003 | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | 0.0000 | 4.6700e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0229 | 0.0486 | 0.6267 | 1.5500e-003 | 0.1386 | 1.2000e-003 | 0.1398 | 0.0367 | 1.1100e-003 | 0.0378 | 154.3393 | 154.3393 | 154.3393 | 5.5500e-003 | 0.0000 | 154.4781 |
| Total | 0.3981 | 0.0487 | 0.6288 | 1.5500e-003 | 0.1386 | 1.2100e-003 | 0.1398 | 0.0367 | 1.1200e-003 | 0.0379 | 154.3436 | 154.3436 | 154.3436 | 5.5600e-003 | 0.0000 | 154.4828 |

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Summer

| ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| 0.00 | 0.00 | 0.00 | 0.00 | 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 | No Construction | Building Construction | 1/1/2019 | 12/31/2018 | 5 | 0 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 20

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------|---------------------------|--------|-------------|-------------|-------------|
| No Construction | Cranes | 0 | 7.00 | 231 | 0.29 |
| No Construction | Forklifts | 0 | 8.00 | 89 | 0.20 |
| No Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| No Construction | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| No Construction | Welders | 0 | 8.00 | 46 | 0.45 |

Trips and VMT

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Summer

| 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 |
|-----------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| No Construction | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

| Category | lb/day | | | | | | | | | | | | | | | |
|-------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|----------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Mitigated | 0.0229 | 0.0486 | 0.6267 | 1.5500e-003 | 0.1386 | 1.2000e-003 | 0.1398 | 0.0367 | 1.1100e-003 | 0.0378 | 154.3393 | 154.3393 | 154.3393 | 5.5500e-003 | | 154.4781 |
| Unmitigated | 0.0229 | 0.0486 | 0.6267 | 1.5500e-003 | 0.1386 | 1.2000e-003 | 0.1398 | 0.0367 | 1.1100e-003 | 0.0378 | 154.3393 | 154.3393 | 154.3393 | 5.5500e-003 | | 154.4781 |

4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | | Mitigated | |
|------------------------|-------------------------|----------|--------|-------------|------------|------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT | Annual VMT | Annual VMT |
| Land Use | | | | | | | |
| Other Asphalt Surfaces | 6.00 | 6.00 | 6.00 | 66,394 | 66,394 | | |
| Total | 6.00 | 6.00 | 6.00 | 66,394 | 66,394 | | |

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Summer

4.3 Trip Type Information

| | | Miles | | | | Trip % | | | | Trip Purpose % | | | |
|------------------------|--|------------|------------|-------------|------------|------------|-------------|---------|----------|----------------|--|--|--|
| Land Use | | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by | | | |
| Other Asphalt Surfaces | | 30.40 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 100 | 0 | 0 | | | |

4.4 Fleet Mix

| | | | | | | | | | | | | | |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
| Other Asphalt Surfaces | 0.340000 | 0.330000 | 0.330000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| Category | lb/day | | | | | | | | | | | lb/day | | | | |
|------------------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|--------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| NaturalGas Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Summer

5.2 Energy by Land Use - Natural Gas

Unmitigated

| Land Use | Natural Gas Use kBtu/yr | lb/day | | | | | | | | | | CO ₂ e | | | | | |
|------------------------|----------------------------|---------------|---------------|---------------|-----------------|---------------------------|--------------------------|------------------------|----------------------------|---------------------------|-------------------------|-------------------|---------------------|----------------------|-----------------------|-----------------|------------------|
| | | ROG | NOx | CO | SO ₂ | Fugitive PM ₁₀ | Exhaust PM ₁₀ | PM ₁₀ Total | Fugitive PM _{2.5} | Exhaust PM _{2.5} | PM _{2.5} Total | | Bio-CO ₂ | NBio-CO ₂ | Total CO ₂ | CH ₄ | N ₂ O |
| 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 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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Mitigated

| Land Use | Natural Gas Use kBtu/yr | lb/day | | | | | | | | | | CO ₂ e | | | | | |
|------------------------|----------------------------|---------------|---------------|---------------|-----------------|---------------------------|--------------------------|------------------------|----------------------------|---------------------------|-------------------------|-------------------|---------------------|----------------------|-----------------------|-----------------|------------------|
| | | ROG | NOx | CO | SO ₂ | Fugitive PM ₁₀ | Exhaust PM ₁₀ | PM ₁₀ Total | Fugitive PM _{2.5} | Exhaust PM _{2.5} | PM _{2.5} Total | | Bio-CO ₂ | NBio-CO ₂ | Total CO ₂ | CH ₄ | N ₂ O |
| 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 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

6.0 Area Detail

6.1 Mitigation Measures Area

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Summer

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|-------------|-------------|--------|---------------|--------------|-------------|----------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| lb/day | | | | | | | | | | | | | | | | |
| Mitigated | 0.3752 | 2.0000e-005 | 2.0600e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 4.3800e-003 | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | 1.0000e-005 | 4.6700e-003 |
| Unmitigated | 0.3752 | 2.0000e-005 | 2.0600e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 4.3800e-003 | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | 1.0000e-005 | 4.6700e-003 |

6.2 Area by SubCategory

Unmitigated

| SubCategory | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| lb/day | | | | | | | | | | | | | | | | |
| Architectural Coating | 0.0664 | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.3086 | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.0000e-004 | 2.0000e-005 | 2.0600e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 4.3800e-003 | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | 1.0000e-005 | 4.6700e-003 |
| Total | 0.3752 | 2.0000e-005 | 2.0600e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 4.3800e-003 | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | 1.0000e-005 | 4.6700e-003 |

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Summer

6.2 Area by SubCategory

Mitigated

| SubCategory | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|---------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|----------|--------------------|--------------------|--------------------|-----|--------------------|
| | lb/day | | | | | | | | | | | | | | | |
| Architectural Coating | 0.0664 | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.3086 | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.0000e-004 | 2.0000e-005 | 2.06000e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | | 4.6700e-003 |
| Total | 0.3752 | 2.0000e-005 | 2.06000e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | | 4.6700e-003 |

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7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Summer

| | | | | | | |
|----------------|--------|-----------|------------|-------------|-------------|-----------|
| 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

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Winter

3117 - Shippers (6 Workers)
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|-------|--------|-------------|--------------------|------------|
| Other Asphalt Surfaces | 20.00 | Acre | 20.00 | 871,200.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------|-------|-------------------------|-----|----------------------------------|------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 33 |
| Climate Zone | 11 | | | Operational Year | 2019 |

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Utility Company Los Angeles Department of Water & Power

| | | | | | |
|---------------------------------|---------|---------------------------------|-------|---------------------------------|-------|
| CO2 Intensity (lb/MW/hr) | 1227.89 | CH4 Intensity (lb/MW/hr) | 0.029 | N2O Intensity (lb/MW/hr) | 0.006 |
|---------------------------------|---------|---------------------------------|-------|---------------------------------|-------|

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Trucks and Workers.

Construction Phase - No Construction

Off-road Equipment - No Construction

Trips and VMT - No Construction.

Fleet Mix - 6 Workers (34% light auto, 33% LDT1, 33% LDT2)

Construction Off-road Equipment Mitigation -

Vehicle Trips - 6 workers. 30.4 miles round trip average for LA County (SCAQMD).

On-road Fugitive Dust - No Construction

| Table Name | Column Name | Default Value | New Value |
|----------------------|----------------------------|---------------|------------|
| tblConstructionPhase | NumDays | 300.00 | 0.00 |
| tblConstructionPhase | PhaseEndDate | 4/20/2020 | 12/31/2018 |
| tblConstructionPhase | PhaseStartDate | 2/26/2019 | 1/1/2019 |
| tblFleetMix | HHD | 0.03 | 0.00 |
| tblFleetMix | LDA | 0.55 | 0.34 |
| tblFleetMix | LDT1 | 0.05 | 0.33 |
| tblFleetMix | LDT2 | 0.20 | 0.33 |
| tblFleetMix | LHD1 | 0.02 | 0.00 |
| tblFleetMix | LHD2 | 6.0250e-003 | 0.00 |
| tblFleetMix | MCY | 4.9150e-003 | 0.00 |
| tblFleetMix | MDV | 0.12 | 0.00 |
| tblFleetMix | MH | 9.2500e-004 | 0.00 |
| tblFleetMix | MHD | 0.02 | 0.00 |
| tblFleetMix | OBUS | 2.3910e-003 | 0.00 |
| tblFleetMix | SBUS | 6.7200e-004 | 0.00 |
| tblFleetMix | UBUS | 2.4690e-003 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOnRoadDust | MeanVehicleSpeed | 40.00 | 0.00 |
| tblOnRoadDust | RoadSiltLoading | 0.10 | 0.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 0.00 |
| tblTripsAndVMT | VendorTripLength | 6.90 | 0.00 |
| tblTripsAndVMT | VendorTripNumber | 143.00 | 0.00 |

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Winter

| | | | |
|-----------------|------------------|--------|--------|
| tblTripsAndVMT | WorkerTripLength | 14.70 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 366.00 | 0.00 |
| tblVehicleTrips | CC_TL | 8.40 | 0.00 |
| tblVehicleTrips | CNW_TL | 6.90 | 0.00 |
| tblVehicleTrips | CW_TL | 16.60 | 30.40 |
| tblVehicleTrips | CW_TTP | 0.00 | 100.00 |
| tblVehicleTrips | PR_TP | 0.00 | 100.00 |
| tblVehicleTrips | ST_TR | 0.00 | 0.30 |
| tblVehicleTrips | SU_TR | 0.00 | 0.30 |
| tblVehicleTrips | WD_TR | 0.00 | 0.30 |

2.0 Emissions Summary

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Winter

**2.2 Overall Operational
Unmitigated Operational**

| Category | lb/day | | | | | | | | | | | | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|-----------------|--------------------|---------------|-----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Area | 0.3752 | 2.0000e-005 | 2.06000e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 4.3800e-003 | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | 0.0000 | 4.6700e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0218 | 0.0539 | 0.5678 | 1.4600e-003 | 0.1386 | 1.2000e-003 | 0.1398 | 0.0367 | 1.1100e-003 | 0.0378 | 145.3365 | 145.3365 | 145.3365 | 5.2100e-003 | 0.0000 | 145.4667 |
| Total | 0.3969 | 0.0540 | 0.5698 | 1.4600e-003 | 0.1386 | 1.2100e-003 | 0.1398 | 0.0367 | 1.1200e-003 | 0.0379 | 145.3409 | 145.3409 | 145.3409 | 5.2200e-003 | 0.0000 | 145.4714 |

Mitigated Operational

| Category | lb/day | | | | | | | | | | | | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|-----------------|--------------------|---------------|-----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Area | 0.3752 | 2.0000e-005 | 2.06000e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 4.3800e-003 | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | 0.0000 | 4.6700e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0218 | 0.0539 | 0.5678 | 1.4600e-003 | 0.1386 | 1.2000e-003 | 0.1398 | 0.0367 | 1.1100e-003 | 0.0378 | 145.3365 | 145.3365 | 145.3365 | 5.2100e-003 | 0.0000 | 145.4667 |
| Total | 0.3969 | 0.0540 | 0.5698 | 1.4600e-003 | 0.1386 | 1.2100e-003 | 0.1398 | 0.0367 | 1.1200e-003 | 0.0379 | 145.3409 | 145.3409 | 145.3409 | 5.2200e-003 | 0.0000 | 145.4714 |

3117 - Shippers (6 Workers) - 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 |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| 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 | No Construction | Building Construction | 1/1/2019 | 12/31/2018 | 5 | 0 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 20

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------|---------------------------|--------|-------------|-------------|-------------|
| No Construction | Cranes | 0 | 7.00 | 231 | 0.29 |
| No Construction | Forklifts | 0 | 8.00 | 89 | 0.20 |
| No Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| No Construction | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| No Construction | Welders | 0 | 8.00 | 46 | 0.45 |

Trips and VMT

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Winter

| 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 |
|-----------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| No Construction | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

| Category | lb/day | | | | | | | | | | | | | | | |
|-------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|----------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Mitigated | 0.0218 | 0.0539 | 0.5678 | 1.4600e-003 | 0.1386 | 1.2000e-003 | 0.1398 | 0.0367 | 1.1100e-003 | 0.0378 | | 145.3365 | 145.3365 | 5.2100e-003 | | 145.4667 |
| Unmitigated | 0.0218 | 0.0539 | 0.5678 | 1.4600e-003 | 0.1386 | 1.2000e-003 | 0.1398 | 0.0367 | 1.1100e-003 | 0.0378 | | 145.3365 | 145.3365 | 5.2100e-003 | | 145.4667 |

4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Land Use | | | | | |
| Other Asphalt Surfaces | 6.00 | 6.00 | 6.00 | 66,394 | 66,394 |
| Total | 6.00 | 6.00 | 6.00 | 66,394 | 66,394 |

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Winter

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 | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Other Asphalt Surfaces | 30.40 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100 | 0 | 0 |

4.4 Fleet Mix

| | | | | | | | | | | | | | |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
| Other Asphalt Surfaces | 0.340000 | 0.330000 | 0.330000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|--------|
| | lb/day | | | | | | | | | | | | | | | |
| NaturalGas Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Winter

5.2 Energy by Land Use - Natural Gas

Unmitigated

| Land Use | Natural Gas Use kBtu/yr | lb/day | | | | | | | | | | CO ₂ e | | | | | |
|------------------------|----------------------------|---------------|---------------|---------------|-----------------|---------------------------|--------------------------|------------------------|----------------------------|---------------------------|-------------------------|-------------------|---------------------|----------------------|-----------------------|-----------------|------------------|
| | | ROG | NOx | CO | SO ₂ | Fugitive PM ₁₀ | Exhaust PM ₁₀ | PM ₁₀ Total | Fugitive PM _{2.5} | Exhaust PM _{2.5} | PM _{2.5} Total | | Bio-CO ₂ | NBio-CO ₂ | Total CO ₂ | CH ₄ | N ₂ O |
| 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 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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Mitigated

| Land Use | Natural Gas Use kBtu/yr | lb/day | | | | | | | | | | CO ₂ e | | | | | |
|------------------------|----------------------------|---------------|---------------|---------------|-----------------|---------------------------|--------------------------|------------------------|----------------------------|---------------------------|-------------------------|-------------------|---------------------|----------------------|-----------------------|-----------------|------------------|
| | | ROG | NOx | CO | SO ₂ | Fugitive PM ₁₀ | Exhaust PM ₁₀ | PM ₁₀ Total | Fugitive PM _{2.5} | Exhaust PM _{2.5} | PM _{2.5} Total | | Bio-CO ₂ | NBio-CO ₂ | Total CO ₂ | CH ₄ | N ₂ O |
| 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 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

6.0 Area Detail

6.1 Mitigation Measures Area

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Winter

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|-------------|--------------|--------|---------------|--------------|-------------|----------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| lb/day | | | | | | | | | | | | | | | | |
| Mitigated | 0.3752 | 2.0000e-005 | 2.06000e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 4.3800e-003 | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | 1.0000e-005 | 4.6700e-003 |
| Unmitigated | 0.3752 | 2.0000e-005 | 2.06000e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 4.3800e-003 | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | 1.0000e-005 | 4.6700e-003 |

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6.2 Area by SubCategory

Unmitigated

| SubCategory | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|---------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| lb/day | | | | | | | | | | | | | | | | |
| Architectural Coating | 0.0664 | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.3086 | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.0000e-004 | 2.0000e-005 | 2.06000e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 4.3800e-003 | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | 1.0000e-005 | 4.6700e-003 |
| Total | 0.3752 | 2.0000e-005 | 2.06000e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 4.3800e-003 | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | 1.0000e-005 | 4.6700e-003 |

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Winter

6.2 Area by SubCategory

Mitigated

| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
|-----------------------|---------------|--------------------|---------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----|--------------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Architectural Coating | 0.0664 | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.3086 | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.0000e-004 | 2.0000e-005 | 2.06000e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 4.3800e-003 | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | | 4.6700e-003 |
| Total | 0.3752 | 2.0000e-005 | 2.06000e-003 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 4.3800e-003 | 4.3800e-003 | 4.3800e-003 | 1.0000e-005 | | 4.6700e-003 |

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7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

3117 - Shippers (6 Workers) - Los Angeles-South Coast County, Winter

| | | | | | | |
|----------------|--------|-----------|------------|-------------|-------------|-----------|
| 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