

727 Sonora Ave - Four Story Office Building - Los Angeles-South Coast County, Winter

727 Sonora Ave - Four Story Office Building
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|--------------------------------|-------|----------|-------------|--------------------|------------|
| General Office Building | 33.05 | 1000sqft | 0.29 | 33,050.00 | 0 |
| Enclosed Parking with Elevator | 35.69 | 1000sqft | 0.00 | 35,690.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 33 |
| Climate Zone | 12 | | | Operational Year | 2021 |
| Utility Company | Glendale Water & Power | | | | |
| CO2 Intensity (lb/MW hr) | 1115.33 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Demo 2 Buildings: 7,641 SF & 3,800 SF. Construct a new four-story, 33,053 SF, office building with a 3-level sub-t garage w/ 91 parking spaces. Grading: 17,000 CY of export.

Land Use - Lot Area: 12,482 SF. New 4-story, 33,053 square-foot, office building w/ 3-level sub-t garage with 91 spaces. Grading: 17,000 CY export (11,895 sq. ft. each sub-t level)

Demolition -

Energy Use -

| Table Name | Column Name | Default Value | New Value |
|------------|-------------|---------------|-----------|
| tblLandUse | LotAcreage | 0.76 | 0.29 |
| tblLandUse | LotAcreage | 0.82 | 0.00 |

727 Sonora Ave - Four Story Office Building - Los Angeles-South Coast County, Winter

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|---------------|------------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2020 | 63.5271 | 10.1164 | 8.7682 | 0.0171 | 1.3289 | 0.5304 | 1.8019 | 0.4434 | 0.4882 | 0.8900 | 0.0000 | 1,695.346 2 | 1,695.346 2 | 0.3856 | 0.0000 | 1,701.640 8 |
| Maximum | 63.5271 | 10.1164 | 8.7682 | 0.0171 | 1.3289 | 0.5304 | 1.8019 | 0.4434 | 0.4882 | 0.8900 | 0.0000 | 1,695.346 2 | 1,695.346 2 | 0.3856 | 0.0000 | 1,701.640 8 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|---------------|------------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2020 | 63.5271 | 10.1164 | 8.7682 | 0.0171 | 1.3289 | 0.5304 | 1.8019 | 0.4434 | 0.4882 | 0.8900 | 0.0000 | 1,695.346 2 | 1,695.346 2 | 0.3856 | 0.0000 | 1,701.640 8 |
| Maximum | 63.5271 | 10.1164 | 8.7682 | 0.0171 | 1.3289 | 0.5304 | 1.8019 | 0.4434 | 0.4882 | 0.8900 | 0.0000 | 1,695.346 2 | 1,695.346 2 | 0.3856 | 0.0000 | 1,701.640 8 |

727 Sonora Ave - Four Story Office Building - Los Angeles-South Coast County, Winter

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|--------------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.7544 | 6.0000e-005 | 7.0500e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | | 3.0000e-005 | 3.0000e-005 | | 0.0150 | 0.0150 | 4.0000e-005 | | 0.0160 |
| Energy | 0.0102 | 0.0924 | 0.0776 | 5.5000e-004 | | 7.0200e-003 | 7.0200e-003 | | 7.0200e-003 | 7.0200e-003 | | 110.8946 | 110.8946 | 2.1300e-003 | 2.0300e-003 | 111.5536 |
| Mobile | 0.6692 | 3.2958 | 8.7787 | 0.0301 | 2.4972 | 0.0263 | 2.5234 | 0.6683 | 0.0245 | 0.6928 | | 3,063.5963 | 3,063.5963 | 0.1675 | | 3,067.7844 |
| Total | 1.4337 | 3.3882 | 8.8633 | 0.0307 | 2.4972 | 0.0333 | 2.5305 | 0.6683 | 0.0316 | 0.6999 | | 3,174.5060 | 3,174.5060 | 0.1697 | 2.0300e-003 | 3,179.3541 |

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|--------------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.7544 | 6.0000e-005 | 7.0500e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | | 3.0000e-005 | 3.0000e-005 | | 0.0150 | 0.0150 | 4.0000e-005 | | 0.0160 |
| Energy | 0.0102 | 0.0924 | 0.0776 | 5.5000e-004 | | 7.0200e-003 | 7.0200e-003 | | 7.0200e-003 | 7.0200e-003 | | 110.8946 | 110.8946 | 2.1300e-003 | 2.0300e-003 | 111.5536 |
| Mobile | 0.6692 | 3.2958 | 8.7787 | 0.0301 | 2.4972 | 0.0263 | 2.5234 | 0.6683 | 0.0245 | 0.6928 | | 3,063.5963 | 3,063.5963 | 0.1675 | | 3,067.7844 |
| Total | 1.4337 | 3.3882 | 8.8633 | 0.0307 | 2.4972 | 0.0333 | 2.5305 | 0.6683 | 0.0316 | 0.6999 | | 3,174.5060 | 3,174.5060 | 0.1697 | 2.0300e-003 | 3,179.3541 |

727 Sonora Ave - Four Story Office Building - 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 | Demolition | Demolition | 5/4/2020 | 5/15/2020 | 5 | 10 | |
| 2 | Site Preparation | Site Preparation | 5/16/2020 | 5/18/2020 | 5 | 1 | |
| 3 | Grading | Grading | 5/19/2020 | 5/20/2020 | 5 | 2 | |
| 4 | Building Construction | Building Construction | 5/21/2020 | 10/7/2020 | 5 | 100 | |
| 5 | Paving | Paving | 10/8/2020 | 10/14/2020 | 5 | 5 | |
| 6 | Architectural Coating | Architectural Coating | 10/15/2020 | 10/21/2020 | 5 | 5 | |

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 49,575; Non-Residential Outdoor: 16,525; Striped Parking Area: 2,141 (Architectural Coating – sqft)

OffRoad Equipment

727 Sonora Ave - Four Story Office Building - Los Angeles-South Coast County, Winter

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Paving | Cement and Mortar Mixers | 4 | 6.00 | 9 | 0.56 |
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Grading | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Building Construction | Cranes | 1 | 4.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 |
| Site Preparation | Graders | 1 | 8.00 | 187 | 0.41 |
| Paving | Pavers | 1 | 7.00 | 130 | 0.42 |
| Paving | Rollers | 1 | 7.00 | 80 | 0.38 |
| Demolition | Rubber Tired Dozers | 1 | 1.00 | 247 | 0.40 |
| Grading | Rubber Tired Dozers | 1 | 1.00 | 247 | 0.40 |
| Building Construction | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Demolition | Tractors/Loaders/Backhoes | 2 | 6.00 | 97 | 0.37 |
| Grading | Tractors/Loaders/Backhoes | 2 | 6.00 | 97 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Site Preparation | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 4 | 10.00 | 0.00 | 52.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 2 | 5.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 4 | 10.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 5 | 26.00 | 11.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 7 | 18.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 5.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

727 Sonora Ave - Four Story Office Building - Los Angeles-South Coast County, Winter

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 1.1262 | 0.0000 | 1.1262 | 0.1705 | 0.0000 | 0.1705 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.8674 | 7.8729 | 7.6226 | 0.0120 | | 0.4672 | 0.4672 | | 0.4457 | 0.4457 | | 1,147.235 2 | 1,147.235 2 | 0.2169 | | 1,152.657 8 |
| Total | 0.8674 | 7.8729 | 7.6226 | 0.0120 | 1.1262 | 0.4672 | 1.5934 | 0.1705 | 0.4457 | 0.6162 | | 1,147.235 2 | 1,147.235 2 | 0.2169 | | 1,152.657 8 |

727 Sonora Ave - Four Story Office Building - Los Angeles-South Coast County, Winter

3.2 Demolition - 2020

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0465 | 1.5146 | 0.3521 | 4.0400e-003 | 0.0909 | 4.8500e-003 | 0.0958 | 0.0249 | 4.6400e-003 | 0.0296 | | 437.3689 | 437.3689 | 0.0314 | | 438.1537 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0511 | 0.0363 | 0.4010 | 1.1100e-003 | 0.1118 | 9.3000e-004 | 0.1127 | 0.0296 | 8.6000e-004 | 0.0305 | | 110.7420 | 110.7420 | 3.4900e-003 | | 110.8293 |
| Total | 0.0976 | 1.5508 | 0.7531 | 5.1500e-003 | 0.2027 | 5.7800e-003 | 0.2085 | 0.0546 | 5.5000e-003 | 0.0601 | | 548.1110 | 548.1110 | 0.0349 | | 548.9830 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 1.1262 | 0.0000 | 1.1262 | 0.1705 | 0.0000 | 0.1705 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.8674 | 7.8729 | 7.6226 | 0.0120 | | 0.4672 | 0.4672 | | 0.4457 | 0.4457 | 0.0000 | 1,147.2352 | 1,147.2352 | 0.2169 | | 1,152.6578 |
| Total | 0.8674 | 7.8729 | 7.6226 | 0.0120 | 1.1262 | 0.4672 | 1.5934 | 0.1705 | 0.4457 | 0.6162 | 0.0000 | 1,147.2352 | 1,147.2352 | 0.2169 | | 1,152.6578 |

727 Sonora Ave - Four Story Office Building - Los Angeles-South Coast County, Winter

3.2 Demolition - 2020

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0465 | 1.5146 | 0.3521 | 4.0400e-003 | 0.0909 | 4.8500e-003 | 0.0958 | 0.0249 | 4.6400e-003 | 0.0296 | | 437.3689 | 437.3689 | 0.0314 | | 438.1537 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0511 | 0.0363 | 0.4010 | 1.1100e-003 | 0.1118 | 9.3000e-004 | 0.1127 | 0.0296 | 8.6000e-004 | 0.0305 | | 110.7420 | 110.7420 | 3.4900e-003 | | 110.8293 |
| Total | 0.0976 | 1.5508 | 0.7531 | 5.1500e-003 | 0.2027 | 5.7800e-003 | 0.2085 | 0.0546 | 5.5000e-003 | 0.0601 | | 548.1110 | 548.1110 | 0.0349 | | 548.9830 |

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.5303 | 0.0000 | 0.5303 | 0.0573 | 0.0000 | 0.0573 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.6853 | 8.4307 | 4.0942 | 9.7400e-003 | | 0.3353 | 0.3353 | | 0.3085 | 0.3085 | | 943.4872 | 943.4872 | 0.3051 | | 951.1158 |
| Total | 0.6853 | 8.4307 | 4.0942 | 9.7400e-003 | 0.5303 | 0.3353 | 0.8656 | 0.0573 | 0.3085 | 0.3658 | | 943.4872 | 943.4872 | 0.3051 | | 951.1158 |

727 Sonora Ave - Four Story Office Building - Los Angeles-South Coast County, Winter

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0256 | 0.0181 | 0.2005 | 5.6000e-004 | 0.0559 | 4.7000e-004 | 0.0564 | 0.0148 | 4.3000e-004 | 0.0153 | | 55.3710 | 55.3710 | 1.7500e-003 | | 55.4147 |
| Total | 0.0256 | 0.0181 | 0.2005 | 5.6000e-004 | 0.0559 | 4.7000e-004 | 0.0564 | 0.0148 | 4.3000e-004 | 0.0153 | | 55.3710 | 55.3710 | 1.7500e-003 | | 55.4147 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.5303 | 0.0000 | 0.5303 | 0.0573 | 0.0000 | 0.0573 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.6853 | 8.4307 | 4.0942 | 9.7400e-003 | | 0.3353 | 0.3353 | | 0.3085 | 0.3085 | 0.0000 | 943.4872 | 943.4872 | 0.3051 | | 951.1158 |
| Total | 0.6853 | 8.4307 | 4.0942 | 9.7400e-003 | 0.5303 | 0.3353 | 0.8656 | 0.0573 | 0.3085 | 0.3658 | 0.0000 | 943.4872 | 943.4872 | 0.3051 | | 951.1158 |

727 Sonora Ave - Four Story Office Building - Los Angeles-South Coast County, Winter

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0256 | 0.0181 | 0.2005 | 5.6000e-004 | 0.0559 | 4.7000e-004 | 0.0564 | 0.0148 | 4.3000e-004 | 0.0153 | | 55.3710 | 55.3710 | 1.7500e-003 | | 55.4147 |
| Total | 0.0256 | 0.0181 | 0.2005 | 5.6000e-004 | 0.0559 | 4.7000e-004 | 0.0564 | 0.0148 | 4.3000e-004 | 0.0153 | | 55.3710 | 55.3710 | 1.7500e-003 | | 55.4147 |

3.4 Grading - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.7528 | 0.0000 | 0.7528 | 0.4138 | 0.0000 | 0.4138 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.8674 | 7.8729 | 7.6226 | 0.0120 | | 0.4672 | 0.4672 | | 0.4457 | 0.4457 | | 1,147.2352 | 1,147.2352 | 0.2169 | | 1,152.6578 |
| Total | 0.8674 | 7.8729 | 7.6226 | 0.0120 | 0.7528 | 0.4672 | 1.2200 | 0.4138 | 0.4457 | 0.8595 | | 1,147.2352 | 1,147.2352 | 0.2169 | | 1,152.6578 |

727 Sonora Ave - Four Story Office Building - Los Angeles-South Coast County, Winter

3.4 Grading - 2020

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0511 | 0.0363 | 0.4010 | 1.1100e-003 | 0.1118 | 9.3000e-004 | 0.1127 | 0.0296 | 8.6000e-004 | 0.0305 | | 110.7420 | 110.7420 | 3.4900e-003 | | 110.8293 |
| Total | 0.0511 | 0.0363 | 0.4010 | 1.1100e-003 | 0.1118 | 9.3000e-004 | 0.1127 | 0.0296 | 8.6000e-004 | 0.0305 | | 110.7420 | 110.7420 | 3.4900e-003 | | 110.8293 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.7528 | 0.0000 | 0.7528 | 0.4138 | 0.0000 | 0.4138 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.8674 | 7.8729 | 7.6226 | 0.0120 | | 0.4672 | 0.4672 | | 0.4457 | 0.4457 | 0.0000 | 1,147.2352 | 1,147.2352 | 0.2169 | | 1,152.6578 |
| Total | 0.8674 | 7.8729 | 7.6226 | 0.0120 | 0.7528 | 0.4672 | 1.2200 | 0.4138 | 0.4457 | 0.8595 | 0.0000 | 1,147.2352 | 1,147.2352 | 0.2169 | | 1,152.6578 |

727 Sonora Ave - Four Story Office Building - Los Angeles-South Coast County, Winter

3.4 Grading - 2020

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0511 | 0.0363 | 0.4010 | 1.1100e-003 | 0.1118 | 9.3000e-004 | 0.1127 | 0.0296 | 8.6000e-004 | 0.0305 | | 110.7420 | 110.7420 | 3.4900e-003 | | 110.8293 |
| Total | 0.0511 | 0.0363 | 0.4010 | 1.1100e-003 | 0.1118 | 9.3000e-004 | 0.1127 | 0.0296 | 8.6000e-004 | 0.0305 | | 110.7420 | 110.7420 | 3.4900e-003 | | 110.8293 |

3.5 Building Construction - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.8617 | 8.8523 | 7.3875 | 0.0114 | | 0.5224 | 0.5224 | | 0.4806 | 0.4806 | | 1,102.978 1 | 1,102.978 1 | 0.3567 | | 1,111.896 2 |
| Total | 0.8617 | 8.8523 | 7.3875 | 0.0114 | | 0.5224 | 0.5224 | | 0.4806 | 0.4806 | | 1,102.978 1 | 1,102.978 1 | 0.3567 | | 1,111.896 2 |

727 Sonora Ave - Four Story Office Building - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0409 | 1.1699 | 0.3381 | 2.7800e-003 | 0.0704 | 5.5900e-003 | 0.0760 | 0.0203 | 5.3500e-003 | 0.0256 | | 296.3940 | 296.3940 | 0.0198 | | 296.8895 |
| Worker | 0.1329 | 0.0942 | 1.0426 | 2.8900e-003 | 0.2906 | 2.4300e-003 | 0.2931 | 0.0771 | 2.2400e-003 | 0.0793 | | 287.9293 | 287.9293 | 9.0800e-003 | | 288.1562 |
| Total | 0.1738 | 1.2641 | 1.3808 | 5.6700e-003 | 0.3610 | 8.0200e-003 | 0.3691 | 0.0974 | 7.5900e-003 | 0.1049 | | 584.3233 | 584.3233 | 0.0289 | | 585.0456 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.8617 | 8.8523 | 7.3875 | 0.0114 | | 0.5224 | 0.5224 | | 0.4806 | 0.4806 | 0.0000 | 1,102.9781 | 1,102.9781 | 0.3567 | | 1,111.8962 |
| Total | 0.8617 | 8.8523 | 7.3875 | 0.0114 | | 0.5224 | 0.5224 | | 0.4806 | 0.4806 | 0.0000 | 1,102.9781 | 1,102.9781 | 0.3567 | | 1,111.8962 |

727 Sonora Ave - Four Story Office Building - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2020

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0409 | 1.1699 | 0.3381 | 2.7800e-003 | 0.0704 | 5.5900e-003 | 0.0760 | 0.0203 | 5.3500e-003 | 0.0256 | | 296.3940 | 296.3940 | 0.0198 | | 296.8895 |
| Worker | 0.1329 | 0.0942 | 1.0426 | 2.8900e-003 | 0.2906 | 2.4300e-003 | 0.2931 | 0.0771 | 2.2400e-003 | 0.0793 | | 287.9293 | 287.9293 | 9.0800e-003 | | 288.1562 |
| Total | 0.1738 | 1.2641 | 1.3808 | 5.6700e-003 | 0.3610 | 8.0200e-003 | 0.3691 | 0.0974 | 7.5900e-003 | 0.1049 | | 584.3233 | 584.3233 | 0.0289 | | 585.0456 |

3.6 Paving - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.7716 | 7.2266 | 7.1128 | 0.0113 | | 0.3950 | 0.3950 | | 0.3669 | 0.3669 | | 1,035.3926 | 1,035.3926 | 0.3016 | | 1,042.9323 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.7716 | 7.2266 | 7.1128 | 0.0113 | | 0.3950 | 0.3950 | | 0.3669 | 0.3669 | | 1,035.3926 | 1,035.3926 | 0.3016 | | 1,042.9323 |

727 Sonora Ave - Four Story Office Building - Los Angeles-South Coast County, Winter

3.6 Paving - 2020

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0920 | 0.0652 | 0.7218 | 2.0000e-003 | 0.2012 | 1.6800e-003 | 0.2029 | 0.0534 | 1.5500e-003 | 0.0549 | | 199.3357 | 199.3357 | 6.2800e-003 | | 199.4927 |
| Total | 0.0920 | 0.0652 | 0.7218 | 2.0000e-003 | 0.2012 | 1.6800e-003 | 0.2029 | 0.0534 | 1.5500e-003 | 0.0549 | | 199.3357 | 199.3357 | 6.2800e-003 | | 199.4927 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.7716 | 7.2266 | 7.1128 | 0.0113 | | 0.3950 | 0.3950 | | 0.3669 | 0.3669 | 0.0000 | 1,035.3926 | 1,035.3926 | 0.3016 | | 1,042.9323 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.7716 | 7.2266 | 7.1128 | 0.0113 | | 0.3950 | 0.3950 | | 0.3669 | 0.3669 | 0.0000 | 1,035.3926 | 1,035.3926 | 0.3016 | | 1,042.9323 |

727 Sonora Ave - Four Story Office Building - Los Angeles-South Coast County, Winter

3.6 Paving - 2020

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0920 | 0.0652 | 0.7218 | 2.0000e-003 | 0.2012 | 1.6800e-003 | 0.2029 | 0.0534 | 1.5500e-003 | 0.0549 | | 199.3357 | 199.3357 | 6.2800e-003 | | 199.4927 |
| Total | 0.0920 | 0.0652 | 0.7218 | 2.0000e-003 | 0.2012 | 1.6800e-003 | 0.2029 | 0.0534 | 1.5500e-003 | 0.0549 | | 199.3357 | 199.3357 | 6.2800e-003 | | 199.4927 |

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 63.2594 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2422 | 1.6838 | 1.8314 | 2.9700e-003 | | 0.1109 | 0.1109 | | 0.1109 | 0.1109 | | 281.4481 | 281.4481 | 0.0218 | | 281.9928 |
| Total | 63.5016 | 1.6838 | 1.8314 | 2.9700e-003 | | 0.1109 | 0.1109 | | 0.1109 | 0.1109 | | 281.4481 | 281.4481 | 0.0218 | | 281.9928 |

727 Sonora Ave - Four Story Office Building - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0256 | 0.0181 | 0.2005 | 5.6000e-004 | 0.0559 | 4.7000e-004 | 0.0564 | 0.0148 | 4.3000e-004 | 0.0153 | | 55.3710 | 55.3710 | 1.7500e-003 | | 55.4147 |
| Total | 0.0256 | 0.0181 | 0.2005 | 5.6000e-004 | 0.0559 | 4.7000e-004 | 0.0564 | 0.0148 | 4.3000e-004 | 0.0153 | | 55.3710 | 55.3710 | 1.7500e-003 | | 55.4147 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 63.2594 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2422 | 1.6838 | 1.8314 | 2.9700e-003 | | 0.1109 | 0.1109 | | 0.1109 | 0.1109 | 0.0000 | 281.4481 | 281.4481 | 0.0218 | | 281.9928 |
| Total | 63.5016 | 1.6838 | 1.8314 | 2.9700e-003 | | 0.1109 | 0.1109 | | 0.1109 | 0.1109 | 0.0000 | 281.4481 | 281.4481 | 0.0218 | | 281.9928 |

727 Sonora Ave - Four Story Office Building - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 2020

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0256 | 0.0181 | 0.2005 | 5.6000e-004 | 0.0559 | 4.7000e-004 | 0.0564 | 0.0148 | 4.3000e-004 | 0.0153 | | 55.3710 | 55.3710 | 1.7500e-003 | | 55.4147 |
| Total | 0.0256 | 0.0181 | 0.2005 | 5.6000e-004 | 0.0559 | 4.7000e-004 | 0.0564 | 0.0148 | 4.3000e-004 | 0.0153 | | 55.3710 | 55.3710 | 1.7500e-003 | | 55.4147 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

727 Sonora Ave - Four Story Office Building - Los Angeles-South Coast County, Winter

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------------|----------------|--------|-----|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.6692 | 3.2958 | 8.7787 | 0.0301 | 2.4972 | 0.0263 | 2.5234 | 0.6683 | 0.0245 | 0.6928 | | 3,063.596 3 | 3,063.596 3 | 0.1675 | | 3,067.784 4 |
| Unmitigated | 0.6692 | 3.2958 | 8.7787 | 0.0301 | 2.4972 | 0.0263 | 2.5234 | 0.6683 | 0.0245 | 0.6928 | | 3,063.596 3 | 3,063.596 3 | 0.1675 | | 3,067.784 4 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|--------------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Office Building | 364.54 | 81.30 | 34.70 | 892,213 | 892,213 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | | |
| Total | 364.54 | 81.30 | 34.70 | 892,213 | 892,213 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|--------------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| General Office Building | 16.60 | 8.40 | 6.90 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| Enclosed Parking with Elevator | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|--------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Office Building | 0.547192 | 0.045177 | 0.202743 | 0.121510 | 0.016147 | 0.006143 | 0.019743 | 0.029945 | 0.002479 | 0.002270 | 0.005078 | 0.000682 | 0.000891 |
| Enclosed Parking with Elevator | 0.547192 | 0.045177 | 0.202743 | 0.121510 | 0.016147 | 0.006143 | 0.019743 | 0.029945 | 0.002479 | 0.002270 | 0.005078 | 0.000682 | 0.000891 |

727 Sonora Ave - Four Story Office Building - Los Angeles-South Coast County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0102 | 0.0924 | 0.0776 | 5.5000e-004 | | 7.0200e-003 | 7.0200e-003 | | 7.0200e-003 | 7.0200e-003 | | 110.8946 | 110.8946 | 2.1300e-003 | 2.0300e-003 | 111.5536 |
| NaturalGas Unmitigated | 0.0102 | 0.0924 | 0.0776 | 5.5000e-004 | | 7.0200e-003 | 7.0200e-003 | | 7.0200e-003 | 7.0200e-003 | | 110.8946 | 110.8946 | 2.1300e-003 | 2.0300e-003 | 111.5536 |

727 Sonora Ave - Four Story Office Building - Los Angeles-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Enclosed Parking with Elevator | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Office Building | 942.604 | 0.0102 | 0.0924 | 0.0776 | 5.5000e-004 | | 7.0200e-003 | 7.0200e-003 | | 7.0200e-003 | 7.0200e-003 | | 110.8946 | 110.8946 | 2.1300e-003 | 2.0300e-003 | 111.5536 |
| Total | | 0.0102 | 0.0924 | 0.0776 | 5.5000e-004 | | 7.0200e-003 | 7.0200e-003 | | 7.0200e-003 | 7.0200e-003 | | 110.8946 | 110.8946 | 2.1300e-003 | 2.0300e-003 | 111.5536 |

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Enclosed Parking with Elevator | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Office Building | 0.942604 | 0.0102 | 0.0924 | 0.0776 | 5.5000e-004 | | 7.0200e-003 | 7.0200e-003 | | 7.0200e-003 | 7.0200e-003 | | 110.8946 | 110.8946 | 2.1300e-003 | 2.0300e-003 | 111.5536 |
| Total | | 0.0102 | 0.0924 | 0.0776 | 5.5000e-004 | | 7.0200e-003 | 7.0200e-003 | | 7.0200e-003 | 7.0200e-003 | | 110.8946 | 110.8946 | 2.1300e-003 | 2.0300e-003 | 111.5536 |

6.0 Area Detail

6.1 Mitigation Measures Area

727 Sonora Ave - Four Story Office Building - Los Angeles-South Coast County, Winter

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|-------------|-------------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.7544 | 6.0000e-005 | 7.0500e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | | 3.0000e-005 | 3.0000e-005 | | 0.0150 | 0.0150 | 4.0000e-005 | | 0.0160 |
| Unmitigated | 0.7544 | 6.0000e-005 | 7.0500e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | | 3.0000e-005 | 3.0000e-005 | | 0.0150 | 0.0150 | 4.0000e-005 | | 0.0160 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0867 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.6670 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 6.6000e-004 | 6.0000e-005 | 7.0500e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | | 3.0000e-005 | 3.0000e-005 | | 0.0150 | 0.0150 | 4.0000e-005 | | 0.0160 |
| Total | 0.7544 | 6.0000e-005 | 7.0500e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | | 3.0000e-005 | 3.0000e-005 | | 0.0150 | 0.0150 | 4.0000e-005 | | 0.0160 |

727 Sonora Ave - Four Story Office Building - Los Angeles-South Coast County, Winter

6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0867 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.6670 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 6.6000e-004 | 6.0000e-005 | 7.0500e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | | 3.0000e-005 | 3.0000e-005 | | 0.0150 | 0.0150 | 4.0000e-005 | | 0.0160 |
| Total | 0.7544 | 6.0000e-005 | 7.0500e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | | 3.0000e-005 | 3.0000e-005 | | 0.0150 | 0.0150 | 4.0000e-005 | | 0.0160 |

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

727 Sonora Ave - Four Story Office Building - 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
