

3510 N Verdugo Blvd (Verdugo Terrace Lux Apts) - Los Angeles-South Coast County, Winter

3510 N Verdugo Blvd (Verdugo Terrace Lux Apts)
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 | 0.95 | 1000sqft | 0.02 | 954.00 | 0 |
| Strip Mall | 1.76 | 1000sqft | 0.04 | 1,762.00 | 0 |
| Apartments Low Rise | 14.00 | Dwelling Unit | 0.41 | 18,818.00 | 40 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 33 |
| Climate Zone | 9 | | | Operational Year | 2020 |
| Utility Company | Glendale Water & Power | | | | |
| CO2 Intensity (lb/MWhr) | 1115.33 | CH4 Intensity (lb/MWhr) | 0.029 | N2O Intensity (lb/MWhr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

3510 N Verdugo Blvd (Verdugo Terrace Lux Apts) - Los Angeles-South Coast County, Winter

Project Characteristics - New 3-story mixed use project (14 residential units, 2,762 SF retail and office commercial on ground floor, and 49 on-site parking spaces within a two-level garage)

Land Use - Lot Size: 18,000 sq. ft., General Office 954 sq. ft., Retail 1,762 sq. ft. and Multi-residential (14 units total) 18,818 sq. ft.

Grading - 6,667 cubic yards of material export

Demolition - Demo - 3510 N Verdugo Road - 380 SF commercial building and parking lot, 3512 N. Verdugo - two-story, 2,560 SF, and 3514 N. Verdugo - attached 1-story, 1,120 SF commercial building

Energy Use -

Construction Off-road Equipment Mitigation -

Waste Mitigation -

Mobile Land Use Mitigation -

Construction Phase - Grading will occur over a seven day period.

| Table Name | Column Name | Default Value | New Value |
|----------------------|-------------------|---------------|------------|
| tblConstructionPhase | NumDays | 2.00 | 6.00 |
| tblConstructionPhase | PhaseEndDate | 12/18/2019 | 12/24/2019 |
| tblConstructionPhase | PhaseEndDate | 12/4/2019 | 12/10/2019 |
| tblConstructionPhase | PhaseEndDate | 7/17/2019 | 7/23/2019 |
| tblConstructionPhase | PhaseEndDate | 12/11/2019 | 12/17/2019 |
| tblConstructionPhase | PhaseStartDate | 12/12/2019 | 12/18/2019 |
| tblConstructionPhase | PhaseStartDate | 7/18/2019 | 7/24/2019 |
| tblConstructionPhase | PhaseStartDate | 12/5/2019 | 12/11/2019 |
| tblGrading | MaterialExported | 0.00 | 6,667.00 |
| tblLandUse | LandUseSquareFeet | 950.00 | 954.00 |
| tblLandUse | LandUseSquareFeet | 1,760.00 | 1,762.00 |
| tblLandUse | LandUseSquareFeet | 14,000.00 | 18,818.00 |
| tblLandUse | LotAcreage | 0.88 | 0.41 |

2.0 Emissions Summary

3510 N Verdugo Blvd (Verdugo Terrace Lux Apts) - Los Angeles-South Coast County, Winter

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 | | | | | |
| 2019 | 28.8625 | 51.7342 | 17.8130 | 0.1222 | 3.4175 | 0.6970 | 4.1145 | 1.1278 | 0.6654 | 1.7933 | 0.0000 | 13,072.6165 | 13,072.6165 | 1.0831 | 0.0000 | 13,099.6945 |
| Maximum | 28.8625 | 51.7342 | 17.8130 | 0.1222 | 3.4175 | 0.6970 | 4.1145 | 1.1278 | 0.6654 | 1.7933 | 0.0000 | 13,072.6165 | 13,072.6165 | 1.0831 | 0.0000 | 13,099.6945 |

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 | | | | | |
| 2019 | 28.8625 | 51.7342 | 17.8130 | 0.1222 | 3.4175 | 0.6970 | 4.1145 | 1.1278 | 0.6654 | 1.7933 | 0.0000 | 13,072.6165 | 13,072.6165 | 1.0831 | 0.0000 | 13,099.6945 |
| Maximum | 28.8625 | 51.7342 | 17.8130 | 0.1222 | 3.4175 | 0.6970 | 4.1145 | 1.1278 | 0.6654 | 1.7933 | 0.0000 | 13,072.6165 | 13,072.6165 | 1.0831 | 0.0000 | 13,099.6945 |

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2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-----------------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 4.1694 | 0.3039 | 8.2789 | 0.0182 | | 1.0758 | 1.0758 | | 1.0758 | 1.0758 | 131.1369 | 254.0803 | 385.2172 | 0.3931 | 8.9000e-003 | 397.6972 |
| Energy | 7.1400e-003 | 0.0612 | 0.0275 | 3.9000e-004 | | 4.9300e-003 | 4.9300e-003 | | 4.9300e-003 | 4.9300e-003 | | 77.8655 | 77.8655 | 1.4900e-003 | 1.4300e-003 | 78.3282 |
| Mobile | 0.3532 | 1.6873 | 4.3953 | 0.0139 | 1.1158 | 0.0147 | 1.1305 | 0.2986 | 0.0138 | 0.3124 | | 1,413.1738 | 1,413.1738 | 0.0821 | | 1,415.2251 |
| Total | 4.5296 | 2.0524 | 12.7016 | 0.0325 | 1.1158 | 1.0955 | 2.2112 | 0.2986 | 1.0945 | 1.3932 | 131.1369 | 1,745.1196 | 1,876.2565 | 0.4766 | 0.0103 | 1,891.2505 |

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 | 4.1694 | 0.3039 | 8.2789 | 0.0182 | | 1.0758 | 1.0758 | | 1.0758 | 1.0758 | 131.1369 | 254.0803 | 385.2172 | 0.3931 | 8.9000e-003 | 397.6972 |
| Energy | 7.1400e-003 | 0.0612 | 0.0275 | 3.9000e-004 | | 4.9300e-003 | 4.9300e-003 | | 4.9300e-003 | 4.9300e-003 | | 77.8655 | 77.8655 | 1.4900e-003 | 1.4300e-003 | 78.3282 |
| Mobile | 0.3532 | 1.6873 | 4.3953 | 0.0139 | 1.1158 | 0.0147 | 1.1305 | 0.2986 | 0.0138 | 0.3124 | | 1,413.1738 | 1,413.1738 | 0.0821 | | 1,415.2251 |
| Total | 4.5296 | 2.0524 | 12.7016 | 0.0325 | 1.1158 | 1.0955 | 2.2112 | 0.2986 | 1.0945 | 1.3932 | 131.1369 | 1,745.1196 | 1,876.2565 | 0.4766 | 0.0103 | 1,891.2505 |

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| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 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 | 7/1/2019 | 7/12/2019 | 5 | 10 | |
| 2 | Site Preparation | Site Preparation | 7/13/2019 | 7/15/2019 | 5 | 1 | |
| 3 | Grading | Grading | 7/16/2019 | 7/23/2019 | 5 | 6 | |
| 4 | Building Construction | Building Construction | 7/24/2019 | 12/10/2019 | 5 | 100 | |
| 5 | Paving | Paving | 12/11/2019 | 12/17/2019 | 5 | 5 | |
| 6 | Architectural Coating | Architectural Coating | 12/18/2019 | 12/24/2019 | 5 | 5 | |

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 38,106; Residential Outdoor: 12,702; Non-Residential Indoor: 4,074; Non-Residential Outdoor: 1,358; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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| 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 | 14.00 | 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 | 833.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 5 | 11.00 | 2.00 | 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 | 2.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

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3.1 Mitigation Measures Construction

3.2 Demolition - 2019

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 | | | | | 0.3012 | 0.0000 | 0.3012 | 0.0456 | 0.0000 | 0.0456 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.9530 | 8.6039 | 7.6917 | 0.0120 | | 0.5371 | 0.5371 | | 0.5125 | 0.5125 | | 1,159.657 0 | 1,159.657 0 | 0.2211 | | 1,165.184 7 |
| Total | 0.9530 | 8.6039 | 7.6917 | 0.0120 | 0.3012 | 0.5371 | 0.8383 | 0.0456 | 0.5125 | 0.5581 | | 1,159.657 0 | 1,159.657 0 | 0.2211 | | 1,165.184 7 |

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3.2 Demolition - 2019

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 | 0.0135 | 0.4345 | 0.0976 | 1.1000e-003 | 0.0245 | 1.6000e-003 | 0.0261 | 6.7100e-003 | 1.5300e-003 | 8.2400e-003 | | 118.9790 | 118.9790 | 8.6500e-003 | | 119.1953 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0554 | 0.0407 | 0.4425 | 1.1500e-003 | 0.1118 | 9.6000e-004 | 0.1127 | 0.0296 | 8.9000e-004 | 0.0305 | | 114.2131 | 114.2131 | 3.9300e-003 | | 114.3113 |
| Total | 0.0689 | 0.4752 | 0.5401 | 2.2500e-003 | 0.1363 | 2.5600e-003 | 0.1388 | 0.0364 | 2.4200e-003 | 0.0388 | | 233.1920 | 233.1920 | 0.0126 | | 233.5066 |

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 | | | | | 0.3012 | 0.0000 | 0.3012 | 0.0456 | 0.0000 | 0.0456 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.9530 | 8.6039 | 7.6917 | 0.0120 | | 0.5371 | 0.5371 | | 0.5125 | 0.5125 | 0.0000 | 1,159.6570 | 1,159.6570 | 0.2211 | | 1,165.1847 |
| Total | 0.9530 | 8.6039 | 7.6917 | 0.0120 | 0.3012 | 0.5371 | 0.8383 | 0.0456 | 0.5125 | 0.5581 | 0.0000 | 1,159.6570 | 1,159.6570 | 0.2211 | | 1,165.1847 |

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3.2 Demolition - 2019

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 | 0.0135 | 0.4345 | 0.0976 | 1.1000e-003 | 0.0245 | 1.6000e-003 | 0.0261 | 6.7100e-003 | 1.5300e-003 | 8.2400e-003 | | 118.9790 | 118.9790 | 8.6500e-003 | | 119.1953 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0554 | 0.0407 | 0.4425 | 1.1500e-003 | 0.1118 | 9.6000e-004 | 0.1127 | 0.0296 | 8.9000e-004 | 0.0305 | | 114.2131 | 114.2131 | 3.9300e-003 | | 114.3113 |
| Total | 0.0689 | 0.4752 | 0.5401 | 2.2500e-003 | 0.1363 | 2.5600e-003 | 0.1388 | 0.0364 | 2.4200e-003 | 0.0388 | | 233.1920 | 233.1920 | 0.0126 | | 233.5066 |

3.3 Site Preparation - 2019

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 | 0.7195 | 8.9170 | 4.1407 | 9.7500e-003 | | 0.3672 | 0.3672 | | 0.3378 | 0.3378 | | 965.1690 | 965.1690 | 0.3054 | | 972.8032 |
| Total | 0.7195 | 8.9170 | 4.1407 | 9.7500e-003 | 0.5303 | 0.3672 | 0.8975 | 0.0573 | 0.3378 | 0.3951 | | 965.1690 | 965.1690 | 0.3054 | | 972.8032 |

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3.3 Site Preparation - 2019

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 | 0.0277 | 0.0203 | 0.2212 | 5.7000e-004 | 0.0559 | 4.8000e-004 | 0.0564 | 0.0148 | 4.4000e-004 | 0.0153 | | 57.1065 | 57.1065 | 1.9600e-003 | | 57.1557 |
| Total | 0.0277 | 0.0203 | 0.2212 | 5.7000e-004 | 0.0559 | 4.8000e-004 | 0.0564 | 0.0148 | 4.4000e-004 | 0.0153 | | 57.1065 | 57.1065 | 1.9600e-003 | | 57.1557 |

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 | 0.7195 | 8.9170 | 4.1407 | 9.7500e-003 | | 0.3672 | 0.3672 | | 0.3378 | 0.3378 | 0.0000 | 965.1690 | 965.1690 | 0.3054 | | 972.8032 |
| Total | 0.7195 | 8.9170 | 4.1407 | 9.7500e-003 | 0.5303 | 0.3672 | 0.8975 | 0.0573 | 0.3378 | 0.3951 | 0.0000 | 965.1690 | 965.1690 | 0.3054 | | 972.8032 |

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3.3 Site Preparation - 2019

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 | 0.0277 | 0.0203 | 0.2212 | 5.7000e-004 | 0.0559 | 4.8000e-004 | 0.0564 | 0.0148 | 4.4000e-004 | 0.0153 | | 57.1065 | 57.1065 | 1.9600e-003 | | 57.1557 |
| Total | 0.0277 | 0.0203 | 0.2212 | 5.7000e-004 | 0.0559 | 4.8000e-004 | 0.0564 | 0.0148 | 4.4000e-004 | 0.0153 | | 57.1065 | 57.1065 | 1.9600e-003 | | 57.1557 |

3.4 Grading - 2019

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 | | | | | 0.8784 | 0.0000 | 0.8784 | 0.4328 | 0.0000 | 0.4328 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.9530 | 8.6039 | 7.6917 | 0.0120 | | 0.5371 | 0.5371 | | 0.5125 | 0.5125 | | 1,159.6570 | 1,159.6570 | 0.2211 | | 1,165.1847 |
| Total | 0.9530 | 8.6039 | 7.6917 | 0.0120 | 0.8784 | 0.5371 | 1.4155 | 0.4328 | 0.5125 | 0.9453 | | 1,159.6570 | 1,159.6570 | 0.2211 | | 1,165.1847 |

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3.4 Grading - 2019

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|--------------------|--------------------|---------------|-----|--------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 1.3373 | 43.0897 | 9.6788 | 0.1090 | 2.4273 | 0.1590 | 2.5863 | 0.6654 | 0.1521 | 0.8174 | | 11,798.7464 | 11,798.7464 | 0.8581 | | 11,820.1985 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0554 | 0.0407 | 0.4425 | 1.1500e-003 | 0.1118 | 9.6000e-004 | 0.1127 | 0.0296 | 8.9000e-004 | 0.0305 | | 114.2131 | 114.2131 | 3.9300e-003 | | 114.3113 |
| Total | 1.3927 | 43.1304 | 10.1213 | 0.1102 | 2.5391 | 0.1599 | 2.6990 | 0.6950 | 0.1530 | 0.8480 | | 11,912.9595 | 11,912.9595 | 0.8620 | | 11,934.5098 |

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 | | | | | 0.8784 | 0.0000 | 0.8784 | 0.4328 | 0.0000 | 0.4328 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.9530 | 8.6039 | 7.6917 | 0.0120 | | 0.5371 | 0.5371 | | 0.5125 | 0.5125 | 0.0000 | 1,159.6570 | 1,159.6570 | 0.2211 | | 1,165.1847 |
| Total | 0.9530 | 8.6039 | 7.6917 | 0.0120 | 0.8784 | 0.5371 | 1.4155 | 0.4328 | 0.5125 | 0.9453 | 0.0000 | 1,159.6570 | 1,159.6570 | 0.2211 | | 1,165.1847 |

3510 N Verdugo Blvd (Verdugo Terrace Lux Apts) - Los Angeles-South Coast County, Winter

3.4 Grading - 2019

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|--------------------|--------------------|---------------|-----|--------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 1.3373 | 43.0897 | 9.6788 | 0.1090 | 2.4273 | 0.1590 | 2.5863 | 0.6654 | 0.1521 | 0.8174 | | 11,798.7464 | 11,798.7464 | 0.8581 | | 11,820.1985 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0554 | 0.0407 | 0.4425 | 1.1500e-003 | 0.1118 | 9.6000e-004 | 0.1127 | 0.0296 | 8.9000e-004 | 0.0305 | | 114.2131 | 114.2131 | 3.9300e-003 | | 114.3113 |
| Total | 1.3927 | 43.1304 | 10.1213 | 0.1102 | 2.5391 | 0.1599 | 2.6990 | 0.6950 | 0.1530 | 0.8480 | | 11,912.9595 | 11,912.9595 | 0.8620 | | 11,934.5098 |

3.5 Building Construction - 2019

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 | 0.9576 | 9.8207 | 7.5432 | 0.0114 | | 0.6054 | 0.6054 | | 0.5569 | 0.5569 | | 1,127.6696 | 1,127.6696 | 0.3568 | | 1,136.5892 |
| Total | 0.9576 | 9.8207 | 7.5432 | 0.0114 | | 0.6054 | 0.6054 | | 0.5569 | 0.5569 | | 1,127.6696 | 1,127.6696 | 0.3568 | | 1,136.5892 |

3510 N Verdugo Blvd (Verdugo Terrace Lux Apts) - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2019

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 | 8.6700e-003 | 0.2318 | 0.0677 | 5.1000e-004 | 0.0128 | 1.5000e-003 | 0.0143 | 3.6900e-003 | 1.4300e-003 | 5.1200e-003 | | 54.2554 | 54.2554 | 3.8100e-003 | | 54.3507 |
| Worker | 0.0609 | 0.0447 | 0.4867 | 1.2600e-003 | 0.1230 | 1.0600e-003 | 0.1240 | 0.0326 | 9.8000e-004 | 0.0336 | | 125.6344 | 125.6344 | 4.3200e-003 | | 125.7424 |
| Total | 0.0696 | 0.2765 | 0.5544 | 1.7700e-003 | 0.1358 | 2.5600e-003 | 0.1383 | 0.0363 | 2.4100e-003 | 0.0387 | | 179.8898 | 179.8898 | 8.1300e-003 | | 180.0932 |

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 | 0.9576 | 9.8207 | 7.5432 | 0.0114 | | 0.6054 | 0.6054 | | 0.5569 | 0.5569 | 0.0000 | 1,127.6696 | 1,127.6696 | 0.3568 | | 1,136.5892 |
| Total | 0.9576 | 9.8207 | 7.5432 | 0.0114 | | 0.6054 | 0.6054 | | 0.5569 | 0.5569 | 0.0000 | 1,127.6696 | 1,127.6696 | 0.3568 | | 1,136.5892 |

3510 N Verdugo Blvd (Verdugo Terrace Lux Apts) - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2019

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 | 8.6700e-003 | 0.2318 | 0.0677 | 5.1000e-004 | 0.0128 | 1.5000e-003 | 0.0143 | 3.6900e-003 | 1.4300e-003 | 5.1200e-003 | | 54.2554 | 54.2554 | 3.8100e-003 | | 54.3507 |
| Worker | 0.0609 | 0.0447 | 0.4867 | 1.2600e-003 | 0.1230 | 1.0600e-003 | 0.1240 | 0.0326 | 9.8000e-004 | 0.0336 | | 125.6344 | 125.6344 | 4.3200e-003 | | 125.7424 |
| Total | 0.0696 | 0.2765 | 0.5544 | 1.7700e-003 | 0.1358 | 2.5600e-003 | 0.1383 | 0.0363 | 2.4100e-003 | 0.0387 | | 179.8898 | 179.8898 | 8.1300e-003 | | 180.0932 |

3.6 Paving - 2019

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 | 0.8300 | 7.8446 | 7.1478 | 0.0113 | | 0.4425 | 0.4425 | | 0.4106 | 0.4106 | | 1,055.1823 | 1,055.1823 | 0.3016 | | 1,062.7231 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.8300 | 7.8446 | 7.1478 | 0.0113 | | 0.4425 | 0.4425 | | 0.4106 | 0.4106 | | 1,055.1823 | 1,055.1823 | 0.3016 | | 1,062.7231 |

3510 N Verdugo Blvd (Verdugo Terrace Lux Apts) - Los Angeles-South Coast County, Winter

3.6 Paving - 2019

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 | 0.0997 | 0.0732 | 0.7965 | 2.0700e-003 | 0.2012 | 1.7300e-003 | 0.2029 | 0.0534 | 1.6000e-003 | 0.0550 | | 205.5836 | 205.5836 | 7.0700e-003 | | 205.7604 |
| Total | 0.0997 | 0.0732 | 0.7965 | 2.0700e-003 | 0.2012 | 1.7300e-003 | 0.2029 | 0.0534 | 1.6000e-003 | 0.0550 | | 205.5836 | 205.5836 | 7.0700e-003 | | 205.7604 |

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 | 0.8300 | 7.8446 | 7.1478 | 0.0113 | | 0.4425 | 0.4425 | | 0.4106 | 0.4106 | 0.0000 | 1,055.1823 | 1,055.1823 | 0.3016 | | 1,062.7231 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.8300 | 7.8446 | 7.1478 | 0.0113 | | 0.4425 | 0.4425 | | 0.4106 | 0.4106 | 0.0000 | 1,055.1823 | 1,055.1823 | 0.3016 | | 1,062.7231 |

3510 N Verdugo Blvd (Verdugo Terrace Lux Apts) - Los Angeles-South Coast County, Winter

3.6 Paving - 2019

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 | 0.0997 | 0.0732 | 0.7965 | 2.0700e-003 | 0.2012 | 1.7300e-003 | 0.2029 | 0.0534 | 1.6000e-003 | 0.0550 | | 205.5836 | 205.5836 | 7.0700e-003 | | 205.7604 |
| Total | 0.0997 | 0.0732 | 0.7965 | 2.0700e-003 | 0.2012 | 1.7300e-003 | 0.2029 | 0.0534 | 1.6000e-003 | 0.0550 | | 205.5836 | 205.5836 | 7.0700e-003 | | 205.7604 |

3.7 Architectural Coating - 2019

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 | 28.5850 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2664 | 1.8354 | 1.8413 | 2.9700e-003 | | 0.1288 | 0.1288 | | 0.1288 | 0.1288 | | 281.4481 | 281.4481 | 0.0238 | | 282.0423 |
| Total | 28.8514 | 1.8354 | 1.8413 | 2.9700e-003 | | 0.1288 | 0.1288 | | 0.1288 | 0.1288 | | 281.4481 | 281.4481 | 0.0238 | | 282.0423 |

3510 N Verdugo Blvd (Verdugo Terrace Lux Apts) - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 2019

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 | 0.0111 | 8.1300e-003 | 0.0885 | 2.3000e-004 | 0.0224 | 1.9000e-004 | 0.0226 | 5.9300e-003 | 1.8000e-004 | 6.1100e-003 | | 22.8426 | 22.8426 | 7.9000e-004 | | 22.8623 |
| Total | 0.0111 | 8.1300e-003 | 0.0885 | 2.3000e-004 | 0.0224 | 1.9000e-004 | 0.0226 | 5.9300e-003 | 1.8000e-004 | 6.1100e-003 | | 22.8426 | 22.8426 | 7.9000e-004 | | 22.8623 |

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 | 28.5850 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2664 | 1.8354 | 1.8413 | 2.9700e-003 | | 0.1288 | 0.1288 | | 0.1288 | 0.1288 | 0.0000 | 281.4481 | 281.4481 | 0.0238 | | 282.0423 |
| Total | 28.8514 | 1.8354 | 1.8413 | 2.9700e-003 | | 0.1288 | 0.1288 | | 0.1288 | 0.1288 | 0.0000 | 281.4481 | 281.4481 | 0.0238 | | 282.0423 |

3510 N Verdugo Blvd (Verdugo Terrace Lux Apts) - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 2019

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 | 0.0111 | 8.1300e-003 | 0.0885 | 2.3000e-004 | 0.0224 | 1.9000e-004 | 0.0226 | 5.9300e-003 | 1.8000e-004 | 6.1100e-003 | | 22.8426 | 22.8426 | 7.9000e-004 | | 22.8623 |
| Total | 0.0111 | 8.1300e-003 | 0.0885 | 2.3000e-004 | 0.0224 | 1.9000e-004 | 0.0226 | 5.9300e-003 | 1.8000e-004 | 6.1100e-003 | | 22.8426 | 22.8426 | 7.9000e-004 | | 22.8623 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

3510 N Verdugo Blvd (Verdugo Terrace Lux Apts) - 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 | 0.3532 | 1.6873 | 4.3953 | 0.0139 | 1.1158 | 0.0147 | 1.1305 | 0.2986 | 0.0138 | 0.3124 | | 1,413.1738 | 1,413.1738 | 0.0821 | | 1,415.2251 |
| Unmitigated | 0.3532 | 1.6873 | 4.3953 | 0.0139 | 1.1158 | 0.0147 | 1.1305 | 0.2986 | 0.0138 | 0.3124 | | 1,413.1738 | 1,413.1738 | 0.0821 | | 1,415.2251 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|-------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Apartments Low Rise | 92.26 | 100.24 | 84.98 | 315,608 | 315,608 |
| General Office Building | 10.48 | 2.34 | 1.00 | 25,646 | 25,646 |
| Strip Mall | 78.00 | 73.99 | 35.96 | 135,890 | 135,890 |
| Total | 180.74 | 176.57 | 121.93 | 477,144 | 477,144 |

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 |
| Apartments Low Rise | 14.70 | 5.90 | 8.70 | 40.20 | 19.20 | 40.60 | 86 | 11 | 3 |
| General Office Building | 16.60 | 8.40 | 6.90 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| Strip Mall | 16.60 | 8.40 | 6.90 | 16.60 | 64.40 | 19.00 | 45 | 40 | 15 |

4.4 Fleet Mix

3510 N Verdugo Blvd (Verdugo Terrace Lux Apts) - Los Angeles-South Coast County, Winter

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Apartments Low Rise | 0.547726 | 0.045437 | 0.201480 | 0.122768 | 0.016614 | 0.006090 | 0.019326 | 0.029174 | 0.002438 | 0.002359 | 0.005005 | 0.000677 | 0.000907 |
| General Office Building | 0.547726 | 0.045437 | 0.201480 | 0.122768 | 0.016614 | 0.006090 | 0.019326 | 0.029174 | 0.002438 | 0.002359 | 0.005005 | 0.000677 | 0.000907 |
| Strip Mall | 0.547726 | 0.045437 | 0.201480 | 0.122768 | 0.016614 | 0.006090 | 0.019326 | 0.029174 | 0.002438 | 0.002359 | 0.005005 | 0.000677 | 0.000907 |

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 | 7.1400e-003 | 0.0612 | 0.0275 | 3.9000e-004 | | 4.9300e-003 | 4.9300e-003 | | 4.9300e-003 | 4.9300e-003 | | 77.8655 | 77.8655 | 1.4900e-003 | 1.4300e-003 | 78.3282 |
| NaturalGas Unmitigated | 7.1400e-003 | 0.0612 | 0.0275 | 3.9000e-004 | | 4.9300e-003 | 4.9300e-003 | | 4.9300e-003 | 4.9300e-003 | | 77.8655 | 77.8655 | 1.4900e-003 | 1.4300e-003 | 78.3282 |

3510 N Verdugo Blvd (Verdugo Terrace Lux Apts) - 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 | | | | | |
| Apartments Low Rise | 626.731 | 6.7600e-003 | 0.0578 | 0.0246 | 3.7000e-004 | | 4.6700e-003 | 4.6700e-003 | | 4.6700e-003 | 4.6700e-003 | | 73.7331 | 73.7331 | 1.4100e-003 | 1.3500e-003 | 74.1712 |
| General Office Building | 27.2086 | 2.9000e-004 | 2.6700e-003 | 2.2400e-003 | 2.0000e-005 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | | 3.2010 | 3.2010 | 6.0000e-005 | 6.0000e-005 | 3.2200 |
| Strip Mall | 7.91693 | 9.0000e-005 | 7.8000e-004 | 6.5000e-004 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.9314 | 0.9314 | 2.0000e-005 | 2.0000e-005 | 0.9369 |
| Total | | 7.1400e-003 | 0.0612 | 0.0275 | 3.9000e-004 | | 4.9300e-003 | 4.9300e-003 | | 4.9300e-003 | 4.9300e-003 | | 77.8655 | 77.8655 | 1.4900e-003 | 1.4300e-003 | 78.3282 |

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 | | | | | |
| Apartments Low Rise | 0.626731 | 6.7600e-003 | 0.0578 | 0.0246 | 3.7000e-004 | | 4.6700e-003 | 4.6700e-003 | | 4.6700e-003 | 4.6700e-003 | | 73.7331 | 73.7331 | 1.4100e-003 | 1.3500e-003 | 74.1712 |
| General Office Building | 0.0272086 | 2.9000e-004 | 2.6700e-003 | 2.2400e-003 | 2.0000e-005 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | | 3.2010 | 3.2010 | 6.0000e-005 | 6.0000e-005 | 3.2200 |
| Strip Mall | 0.00791693 | 9.0000e-005 | 7.8000e-004 | 6.5000e-004 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.9314 | 0.9314 | 2.0000e-005 | 2.0000e-005 | 0.9369 |
| Total | | 7.1400e-003 | 0.0612 | 0.0275 | 3.9000e-004 | | 4.9300e-003 | 4.9300e-003 | | 4.9300e-003 | 4.9300e-003 | | 77.8655 | 77.8655 | 1.4900e-003 | 1.4300e-003 | 78.3282 |

6.0 Area Detail

3510 N Verdugo Blvd (Verdugo Terrace Lux Apts) - Los Angeles-South Coast County, Winter

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-------------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 4.1694 | 0.3039 | 8.2789 | 0.0182 | | 1.0758 | 1.0758 | | 1.0758 | 1.0758 | 131.1369 | 254.0803 | 385.2172 | 0.3931 | 8.9000e-003 | 397.6972 |
| Unmitigated | 4.1694 | 0.3039 | 8.2789 | 0.0182 | | 1.0758 | 1.0758 | | 1.0758 | 1.0758 | 131.1369 | 254.0803 | 385.2172 | 0.3931 | 8.9000e-003 | 397.6972 |

3510 N Verdugo Blvd (Verdugo Terrace Lux Apts) - Los Angeles-South Coast County, Winter

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 | 0.0392 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.4264 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 3.6685 | 0.2905 | 7.1197 | 0.0182 | | 1.0694 | 1.0694 | | 1.0694 | 1.0694 | 131.1369 | 252.0000 | 383.1369 | 0.3911 | 8.9000e-003 | 395.5661 |
| Landscaping | 0.0353 | 0.0134 | 1.1591 | 6.0000e-005 | | 6.3700e-003 | 6.3700e-003 | | 6.3700e-003 | 6.3700e-003 | | 2.0803 | 2.0803 | 2.0300e-003 | | 2.1311 |
| Total | 4.1693 | 0.3039 | 8.2789 | 0.0182 | | 1.0758 | 1.0758 | | 1.0758 | 1.0758 | 131.1369 | 254.0803 | 385.2172 | 0.3931 | 8.9000e-003 | 397.6972 |

3510 N Verdugo Blvd (Verdugo Terrace Lux Apts) - 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 | 0.0392 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.4264 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 3.6685 | 0.2905 | 7.1197 | 0.0182 | | 1.0694 | 1.0694 | | 1.0694 | 1.0694 | 131.1369 | 252.0000 | 383.1369 | 0.3911 | 8.9000e-003 | 395.5661 |
| Landscaping | 0.0353 | 0.0134 | 1.1591 | 6.0000e-005 | | 6.3700e-003 | 6.3700e-003 | | 6.3700e-003 | 6.3700e-003 | | 2.0803 | 2.0803 | 2.0300e-003 | | 2.1311 |
| Total | 4.1693 | 0.3039 | 8.2789 | 0.0182 | | 1.0758 | 1.0758 | | 1.0758 | 1.0758 | 131.1369 | 254.0803 | 385.2172 | 0.3931 | 8.9000e-003 | 397.6972 |

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

3510 N Verdugo Blvd (Verdugo Terrace Lux Apts) - Los Angeles-South Coast County, Winter

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
