

605-620 West Elk Avenue - Los Angeles-South Coast County, Summer

605-620 West Elk Avenue
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 214.70 | 1000sqft | 4.93 | 214,700.00 | 0 |

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/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 - 3-story, 214,745 square-foot personal storage facility

Land Use - Site consists of four parcels (5696-007-045,5696-007-019, 5696-007-018, 5696-007-026) with a combined area of 81,875 square-feet (1.88 acres)

Demolition - A 39,273 square-foot building (constructed in 1962), located at 620 West Elk Avenue (APN 5696-007-045), will be demolished as part of the project.

Energy Use -

| Table Name | Column Name | Default Value | New Value |
|------------|-------------|---------------|-----------|
|------------|-------------|---------------|-----------|

2.0 Emissions Summary

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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 | 4.4249 | 45.6388 | 23.3677 | 0.0478 | 18.2675 | 2.3921 | 20.6596 | 9.9840 | 2.2007 | 12.1848 | 0.0000 | 4,772.580 3 | 4,772.580 3 | 1.1992 | 0.0000 | 4,800.614 4 |
| 2020 | 110.8955 | 42.4763 | 22.3017 | 0.0466 | 18.2675 | 2.1991 | 20.4666 | 9.9840 | 2.0232 | 12.0072 | 0.0000 | 4,581.151 1 | 4,581.151 1 | 1.1985 | 0.0000 | 4,599.036 0 |
| 2021 | 110.8666 | 1.5799 | 2.5425 | 5.0300e-003 | 0.2012 | 0.0957 | 0.2969 | 0.0534 | 0.0956 | 0.1490 | 0.0000 | 486.4266 | 486.4266 | 0.0254 | 0.0000 | 487.0605 |
| Maximum | 110.8955 | 45.6388 | 23.3677 | 0.0478 | 18.2675 | 2.3921 | 20.6596 | 9.9840 | 2.2007 | 12.1848 | 0.0000 | 4,772.580 3 | 4,772.580 3 | 1.1992 | 0.0000 | 4,800.614 4 |

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 | 4.4249 | 45.6388 | 23.3677 | 0.0478 | 18.2675 | 2.3921 | 20.6596 | 9.9840 | 2.2007 | 12.1848 | 0.0000 | 4,772.580 3 | 4,772.580 3 | 1.1992 | 0.0000 | 4,800.614 4 |
| 2020 | 110.8955 | 42.4763 | 22.3017 | 0.0466 | 18.2675 | 2.1991 | 20.4666 | 9.9840 | 2.0232 | 12.0072 | 0.0000 | 4,581.151 1 | 4,581.151 1 | 1.1985 | 0.0000 | 4,599.036 0 |
| 2021 | 110.8666 | 1.5799 | 2.5425 | 5.0300e-003 | 0.2012 | 0.0957 | 0.2969 | 0.0534 | 0.0956 | 0.1490 | 0.0000 | 486.4266 | 486.4266 | 0.0254 | 0.0000 | 487.0605 |
| Maximum | 110.8955 | 45.6388 | 23.3677 | 0.0478 | 18.2675 | 2.3921 | 20.6596 | 9.9840 | 2.2007 | 12.1848 | 0.0000 | 4,772.580 3 | 4,772.580 3 | 1.1992 | 0.0000 | 4,800.614 4 |

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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 | 4.7984 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0470 | 0.0470 | 1.3000e-004 | | 0.0501 |
| Energy | 5.5200e-003 | 0.0502 | 0.0421 | 3.0000e-004 | | 3.8100e-003 | 3.8100e-003 | | 3.8100e-003 | 3.8100e-003 | | 60.2060 | 60.2060 | 1.1500e-003 | 1.1000e-003 | 60.5637 |
| Mobile | 0.8468 | 4.1352 | 12.7103 | 0.0422 | 3.2872 | 0.0419 | 3.3291 | 0.8798 | 0.0393 | 0.9191 | | 4,283.1334 | 4,283.1334 | 0.2280 | | 4,288.8331 |
| Total | 5.6507 | 4.1856 | 12.7745 | 0.0425 | 3.2872 | 0.0458 | 3.3330 | 0.8798 | 0.0432 | 0.9230 | | 4,343.3863 | 4,343.3863 | 0.2293 | 1.1000e-003 | 4,349.4470 |

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 | 4.7984 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0470 | 0.0470 | 1.3000e-004 | | 0.0501 |
| Energy | 5.5200e-003 | 0.0502 | 0.0421 | 3.0000e-004 | | 3.8100e-003 | 3.8100e-003 | | 3.8100e-003 | 3.8100e-003 | | 60.2060 | 60.2060 | 1.1500e-003 | 1.1000e-003 | 60.5637 |
| Mobile | 0.8468 | 4.1352 | 12.7103 | 0.0422 | 3.2872 | 0.0419 | 3.3291 | 0.8798 | 0.0393 | 0.9191 | | 4,283.1334 | 4,283.1334 | 0.2280 | | 4,288.8331 |
| Total | 5.6507 | 4.1856 | 12.7745 | 0.0425 | 3.2872 | 0.0458 | 3.3330 | 0.8798 | 0.0432 | 0.9230 | | 4,343.3863 | 4,343.3863 | 0.2293 | 1.1000e-003 | 4,349.4470 |

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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 | 12/2/2019 | 12/27/2019 | 5 | 20 | |
| 2 | Site Preparation | Site Preparation | 12/28/2019 | 1/3/2020 | 5 | 5 | |
| 3 | Grading | Grading | 1/4/2020 | 1/15/2020 | 5 | 8 | |
| 4 | Building Construction | Building Construction | 1/16/2020 | 12/2/2020 | 5 | 230 | |
| 5 | Paving | Paving | 12/3/2020 | 12/28/2020 | 5 | 18 | |
| 6 | Architectural Coating | Architectural Coating | 12/29/2020 | 1/21/2021 | 5 | 18 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 322,050; Non-Residential Outdoor: 107,350; 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 | 2 | 6.00 | 9 | 0.56 |
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Demolition | Excavators | 3 | 8.00 | 158 | 0.38 |
| Paving | Pavers | 1 | 8.00 | 130 | 0.42 |
| Paving | Rollers | 2 | 6.00 | 80 | 0.38 |
| Demolition | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Grading | Excavators | 1 | 8.00 | 158 | 0.38 |
| Grading | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Paving | Paving Equipment | 2 | 6.00 | 132 | 0.36 |
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |

Trips and VMT

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| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 6 | 15.00 | 0.00 | 179.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 6 | 15.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 90.00 | 35.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 8 | 20.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 18.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

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 | | | | | 1.9329 | 0.0000 | 1.9329 | 0.2927 | 0.0000 | 0.2927 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.5134 | 35.7830 | 22.0600 | 0.0388 | | 1.7949 | 1.7949 | | 1.6697 | 1.6697 | | 3,816.8994 | 3,816.8994 | 1.0618 | | 3,843.4451 |
| Total | 3.5134 | 35.7830 | 22.0600 | 0.0388 | 1.9329 | 1.7949 | 3.7278 | 0.2927 | 1.6697 | 1.9623 | | 3,816.8994 | 3,816.8994 | 1.0618 | | 3,843.4451 |

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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 | 0.0841 | 2.7412 | 0.5845 | 7.1500e-003 | 0.1565 | 0.0101 | 0.1665 | 0.0429 | 9.6200e-003 | 0.0525 | | 773.7380 | 773.7380 | 0.0533 | | 775.0702 |
| 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 | 0.0749 | 0.0551 | 0.7233 | 1.8300e-003 | 0.1677 | 1.4500e-003 | 0.1691 | 0.0445 | 1.3300e-003 | 0.0458 | | 181.9429 | 181.9429 | 6.2500e-003 | | 182.0992 |
| Total | 0.1590 | 2.7963 | 1.3077 | 8.9800e-003 | 0.3241 | 0.0115 | 0.3357 | 0.0874 | 0.0110 | 0.0983 | | 955.6810 | 955.6810 | 0.0595 | | 957.1694 |

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 | | | | | 1.9329 | 0.0000 | 1.9329 | 0.2927 | 0.0000 | 0.2927 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.5134 | 35.7830 | 22.0600 | 0.0388 | | 1.7949 | 1.7949 | | 1.6697 | 1.6697 | 0.0000 | 3,816.8994 | 3,816.8994 | 1.0618 | | 3,843.4451 |
| Total | 3.5134 | 35.7830 | 22.0600 | 0.0388 | 1.9329 | 1.7949 | 3.7278 | 0.2927 | 1.6697 | 1.9623 | 0.0000 | 3,816.8994 | 3,816.8994 | 1.0618 | | 3,843.4451 |

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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 | 0.0841 | 2.7412 | 0.5845 | 7.1500e-003 | 0.1565 | 0.0101 | 0.1665 | 0.0429 | 9.6200e-003 | 0.0525 | | 773.7380 | 773.7380 | 0.0533 | | 775.0702 |
| 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 | 0.0749 | 0.0551 | 0.7233 | 1.8300e-003 | 0.1677 | 1.4500e-003 | 0.1691 | 0.0445 | 1.3300e-003 | 0.0458 | | 181.9429 | 181.9429 | 6.2500e-003 | | 182.0992 |
| Total | 0.1590 | 2.7963 | 1.3077 | 8.9800e-003 | 0.3241 | 0.0115 | 0.3357 | 0.0874 | 0.0110 | 0.0983 | | 955.6810 | 955.6810 | 0.0595 | | 957.1694 |

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 | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.3350 | 45.5727 | 22.0630 | 0.0380 | | 2.3904 | 2.3904 | | 2.1991 | 2.1991 | | 3,766.4529 | 3,766.4529 | 1.1917 | | 3,796.2445 |
| Total | 4.3350 | 45.5727 | 22.0630 | 0.0380 | 18.0663 | 2.3904 | 20.4566 | 9.9307 | 2.1991 | 12.1298 | | 3,766.4529 | 3,766.4529 | 1.1917 | | 3,796.2445 |

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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 | 0.0899 | 0.0661 | 0.8679 | 2.1900e-003 | 0.2012 | 1.7300e-003 | 0.2029 | 0.0534 | 1.6000e-003 | 0.0550 | | 218.3315 | 218.3315 | 7.5000e-003 | | 218.5190 |
| Total | 0.0899 | 0.0661 | 0.8679 | 2.1900e-003 | 0.2012 | 1.7300e-003 | 0.2029 | 0.0534 | 1.6000e-003 | 0.0550 | | 218.3315 | 218.3315 | 7.5000e-003 | | 218.5190 |

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 | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.3350 | 45.5727 | 22.0630 | 0.0380 | | 2.3904 | 2.3904 | | 2.1991 | 2.1991 | 0.0000 | 3,766.4529 | 3,766.4529 | 1.1917 | | 3,796.2445 |
| Total | 4.3350 | 45.5727 | 22.0630 | 0.0380 | 18.0663 | 2.3904 | 20.4566 | 9.9307 | 2.1991 | 12.1298 | 0.0000 | 3,766.4529 | 3,766.4529 | 1.1917 | | 3,796.2445 |

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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 | 0.0899 | 0.0661 | 0.8679 | 2.1900e-003 | 0.2012 | 1.7300e-003 | 0.2029 | 0.0534 | 1.6000e-003 | 0.0550 | | 218.3315 | 218.3315 | 7.5000e-003 | | 218.5190 |
| Total | 0.0899 | 0.0661 | 0.8679 | 2.1900e-003 | 0.2012 | 1.7300e-003 | 0.2029 | 0.0534 | 1.6000e-003 | 0.0550 | | 218.3315 | 218.3315 | 7.5000e-003 | | 218.5190 |

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 | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.0765 | 42.4173 | 21.5136 | 0.0380 | | 2.1974 | 2.1974 | | 2.0216 | 2.0216 | | 3,685.1016 | 3,685.1016 | 1.1918 | | 3,714.8975 |
| Total | 4.0765 | 42.4173 | 21.5136 | 0.0380 | 18.0663 | 2.1974 | 20.2637 | 9.9307 | 2.0216 | 11.9523 | | 3,685.1016 | 3,685.1016 | 1.1918 | | 3,714.8975 |

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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 | 0.0828 | 0.0589 | 0.7881 | 2.1300e-003 | 0.2012 | 1.6800e-003 | 0.2029 | 0.0534 | 1.5500e-003 | 0.0549 | | 211.7003 | 211.7003 | 6.6700e-003 | | 211.8672 |
| Total | 0.0828 | 0.0589 | 0.7881 | 2.1300e-003 | 0.2012 | 1.6800e-003 | 0.2029 | 0.0534 | 1.5500e-003 | 0.0549 | | 211.7003 | 211.7003 | 6.6700e-003 | | 211.8672 |

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 | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.0765 | 42.4173 | 21.5136 | 0.0380 | | 2.1974 | 2.1974 | | 2.0216 | 2.0216 | 0.0000 | 3,685.1016 | 3,685.1016 | 1.1918 | | 3,714.8975 |
| Total | 4.0765 | 42.4173 | 21.5136 | 0.0380 | 18.0663 | 2.1974 | 20.2637 | 9.9307 | 2.0216 | 11.9523 | 0.0000 | 3,685.1016 | 3,685.1016 | 1.1918 | | 3,714.8975 |

605-620 West Elk Avenue - Los Angeles-South Coast County, Summer

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 | 0.0828 | 0.0589 | 0.7881 | 2.1300e-003 | 0.2012 | 1.6800e-003 | 0.2029 | 0.0534 | 1.5500e-003 | 0.0549 | | 211.7003 | 211.7003 | 6.6700e-003 | | 211.8672 |
| Total | 0.0828 | 0.0589 | 0.7881 | 2.1300e-003 | 0.2012 | 1.6800e-003 | 0.2029 | 0.0534 | 1.5500e-003 | 0.0549 | | 211.7003 | 211.7003 | 6.6700e-003 | | 211.8672 |

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 | | | | | 6.5523 | 0.0000 | 6.5523 | 3.3675 | 0.0000 | 3.3675 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.4288 | 26.3859 | 16.0530 | 0.0297 | | 1.2734 | 1.2734 | | 1.1716 | 1.1716 | | 2,872.4851 | 2,872.4851 | 0.9290 | | 2,895.7106 |
| Total | 2.4288 | 26.3859 | 16.0530 | 0.0297 | 6.5523 | 1.2734 | 7.8258 | 3.3675 | 1.1716 | 4.5390 | | 2,872.4851 | 2,872.4851 | 0.9290 | | 2,895.7106 |

605-620 West Elk Avenue - Los Angeles-South Coast County, Summer

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 | 0.0690 | 0.0491 | 0.6568 | 1.7700e-003 | 0.1677 | 1.4000e-003 | 0.1691 | 0.0445 | 1.2900e-003 | 0.0458 | | 176.4169 | 176.4169 | 5.5600e-003 | | 176.5560 |
| Total | 0.0690 | 0.0491 | 0.6568 | 1.7700e-003 | 0.1677 | 1.4000e-003 | 0.1691 | 0.0445 | 1.2900e-003 | 0.0458 | | 176.4169 | 176.4169 | 5.5600e-003 | | 176.5560 |

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 | | | | | 6.5523 | 0.0000 | 6.5523 | 3.3675 | 0.0000 | 3.3675 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.4288 | 26.3859 | 16.0530 | 0.0297 | | 1.2734 | 1.2734 | | 1.1716 | 1.1716 | 0.0000 | 2,872.4851 | 2,872.4851 | 0.9290 | | 2,895.7106 |
| Total | 2.4288 | 26.3859 | 16.0530 | 0.0297 | 6.5523 | 1.2734 | 7.8258 | 3.3675 | 1.1716 | 4.5390 | 0.0000 | 2,872.4851 | 2,872.4851 | 0.9290 | | 2,895.7106 |

605-620 West Elk Avenue - Los Angeles-South Coast County, Summer

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 | 0.0690 | 0.0491 | 0.6568 | 1.7700e-003 | 0.1677 | 1.4000e-003 | 0.1691 | 0.0445 | 1.2900e-003 | 0.0458 | | 176.4169 | 176.4169 | 5.5600e-003 | | 176.5560 |
| Total | 0.0690 | 0.0491 | 0.6568 | 1.7700e-003 | 0.1677 | 1.4000e-003 | 0.1691 | 0.0445 | 1.2900e-003 | 0.0458 | | 176.4169 | 176.4169 | 5.5600e-003 | | 176.5560 |

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 | 2.1198 | 19.1860 | 16.8485 | 0.0269 | | 1.1171 | 1.1171 | | 1.0503 | 1.0503 | | 2,553.0631 | 2,553.0631 | 0.6229 | | 2,568.6345 |
| Total | 2.1198 | 19.1860 | 16.8485 | 0.0269 | | 1.1171 | 1.1171 | | 1.0503 | 1.0503 | | 2,553.0631 | 2,553.0631 | 0.6229 | | 2,568.6345 |

605-620 West Elk Avenue - Los Angeles-South Coast County, Summer

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 | 0.1245 | 3.7230 | 0.9755 | 9.0800e-003 | 0.2241 | 0.0175 | 0.2416 | 0.0645 | 0.0168 | 0.0813 | | 969.5864 | 969.5864 | 0.0592 | | 971.0656 |
| Worker | 0.4142 | 0.2947 | 3.9406 | 0.0106 | 1.0060 | 8.4100e-003 | 1.0144 | 0.2668 | 7.7500e-003 | 0.2745 | | 1,058.5016 | 1,058.5016 | 0.0334 | | 1,059.3359 |
| Total | 0.5387 | 4.0177 | 4.9161 | 0.0197 | 1.2301 | 0.0259 | 1.2560 | 0.3313 | 0.0245 | 0.3558 | | 2,028.0880 | 2,028.0880 | 0.0925 | | 2,030.4015 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.1198 | 19.1860 | 16.8485 | 0.0269 | | 1.1171 | 1.1171 | | 1.0503 | 1.0503 | 0.0000 | 2,553.0631 | 2,553.0631 | 0.6229 | | 2,568.6345 |
| Total | 2.1198 | 19.1860 | 16.8485 | 0.0269 | | 1.1171 | 1.1171 | | 1.0503 | 1.0503 | 0.0000 | 2,553.0631 | 2,553.0631 | 0.6229 | | 2,568.6345 |

605-620 West Elk Avenue - Los Angeles-South Coast County, Summer

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 | 0.1245 | 3.7230 | 0.9755 | 9.0800e-003 | 0.2241 | 0.0175 | 0.2416 | 0.0645 | 0.0168 | 0.0813 | | 969.5864 | 969.5864 | 0.0592 | | 971.0656 |
| Worker | 0.4142 | 0.2947 | 3.9406 | 0.0106 | 1.0060 | 8.4100e-003 | 1.0144 | 0.2668 | 7.7500e-003 | 0.2745 | | 1,058.5016 | 1,058.5016 | 0.0334 | | 1,059.3359 |
| Total | 0.5387 | 4.0177 | 4.9161 | 0.0197 | 1.2301 | 0.0259 | 1.2560 | 0.3313 | 0.0245 | 0.3558 | | 2,028.0880 | 2,028.0880 | 0.0925 | | 2,030.4015 |

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 | 1.1837 | 11.8015 | 12.2823 | 0.0189 | | 0.6509 | 0.6509 | | 0.6005 | 0.6005 | | 1,804.7070 | 1,804.7070 | 0.5670 | | 1,818.8830 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.1837 | 11.8015 | 12.2823 | 0.0189 | | 0.6509 | 0.6509 | | 0.6005 | 0.6005 | | 1,804.7070 | 1,804.7070 | 0.5670 | | 1,818.8830 |

605-620 West Elk Avenue - Los Angeles-South Coast County, Summer

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 | 0.0655 | 0.8757 | 2.3600e-003 | 0.2236 | 1.8700e-003 | 0.2254 | 0.0593 | 1.7200e-003 | 0.0610 | | 235.2226 | 235.2226 | 7.4200e-003 | | 235.4080 |
| Total | 0.0920 | 0.0655 | 0.8757 | 2.3600e-003 | 0.2236 | 1.8700e-003 | 0.2254 | 0.0593 | 1.7200e-003 | 0.0610 | | 235.2226 | 235.2226 | 7.4200e-003 | | 235.4080 |

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 | 1.1837 | 11.8015 | 12.2823 | 0.0189 | | 0.6509 | 0.6509 | | 0.6005 | 0.6005 | 0.0000 | 1,804.7070 | 1,804.7070 | 0.5670 | | 1,818.8830 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.1837 | 11.8015 | 12.2823 | 0.0189 | | 0.6509 | 0.6509 | | 0.6005 | 0.6005 | 0.0000 | 1,804.7070 | 1,804.7070 | 0.5670 | | 1,818.8830 |

605-620 West Elk Avenue - Los Angeles-South Coast County, Summer

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 | 0.0655 | 0.8757 | 2.3600e-003 | 0.2236 | 1.8700e-003 | 0.2254 | 0.0593 | 1.7200e-003 | 0.0610 | | 235.2226 | 235.2226 | 7.4200e-003 | | 235.4080 |
| Total | 0.0920 | 0.0655 | 0.8757 | 2.3600e-003 | 0.2236 | 1.8700e-003 | 0.2254 | 0.0593 | 1.7200e-003 | 0.0610 | | 235.2226 | 235.2226 | 7.4200e-003 | | 235.4080 |

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 | 110.5705 | | | | | 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 | 110.8127 | 1.6838 | 1.8314 | 2.9700e-003 | | 0.1109 | 0.1109 | | 0.1109 | 0.1109 | | 281.4481 | 281.4481 | 0.0218 | | 281.9928 |

605-620 West Elk Avenue - Los Angeles-South Coast County, Summer

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 | 0.0828 | 0.0589 | 0.7881 | 2.1300e-003 | 0.2012 | 1.6800e-003 | 0.2029 | 0.0534 | 1.5500e-003 | 0.0549 | | 211.7003 | 211.7003 | 6.6700e-003 | | 211.8672 |
| Total | 0.0828 | 0.0589 | 0.7881 | 2.1300e-003 | 0.2012 | 1.6800e-003 | 0.2029 | 0.0534 | 1.5500e-003 | 0.0549 | | 211.7003 | 211.7003 | 6.6700e-003 | | 211.8672 |

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 | 110.5705 | | | | | 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 | 110.8127 | 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 |

605-620 West Elk Avenue - Los Angeles-South Coast County, Summer

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 | 0.0828 | 0.0589 | 0.7881 | 2.1300e-003 | 0.2012 | 1.6800e-003 | 0.2029 | 0.0534 | 1.5500e-003 | 0.0549 | | 211.7003 | 211.7003 | 6.6700e-003 | | 211.8672 |
| Total | 0.0828 | 0.0589 | 0.7881 | 2.1300e-003 | 0.2012 | 1.6800e-003 | 0.2029 | 0.0534 | 1.5500e-003 | 0.0549 | | 211.7003 | 211.7003 | 6.6700e-003 | | 211.8672 |

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|-----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 110.5705 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2189 | 1.5268 | 1.8176 | 2.9700e-003 | | 0.0941 | 0.0941 | | 0.0941 | 0.0941 | | 281.4481 | 281.4481 | 0.0193 | | 281.9309 |
| Total | 110.7894 | 1.5268 | 1.8176 | 2.9700e-003 | | 0.0941 | 0.0941 | | 0.0941 | 0.0941 | | 281.4481 | 281.4481 | 0.0193 | | 281.9309 |

605-620 West Elk Avenue - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0772 | 0.0530 | 0.7250 | 2.0600e-003 | 0.2012 | 1.6300e-003 | 0.2028 | 0.0534 | 1.5000e-003 | 0.0549 | | 204.9786 | 204.9786 | 6.0400e-003 | | 205.1296 |
| Total | 0.0772 | 0.0530 | 0.7250 | 2.0600e-003 | 0.2012 | 1.6300e-003 | 0.2028 | 0.0534 | 1.5000e-003 | 0.0549 | | 204.9786 | 204.9786 | 6.0400e-003 | | 205.1296 |

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 | 110.5705 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2189 | 1.5268 | 1.8176 | 2.9700e-003 | | 0.0941 | 0.0941 | | 0.0941 | 0.0941 | 0.0000 | 281.4481 | 281.4481 | 0.0193 | | 281.9309 |
| Total | 110.7894 | 1.5268 | 1.8176 | 2.9700e-003 | | 0.0941 | 0.0941 | | 0.0941 | 0.0941 | 0.0000 | 281.4481 | 281.4481 | 0.0193 | | 281.9309 |

605-620 West Elk Avenue - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0772 | 0.0530 | 0.7250 | 2.0600e-003 | 0.2012 | 1.6300e-003 | 0.2028 | 0.0534 | 1.5000e-003 | 0.0549 | | 204.9786 | 204.9786 | 6.0400e-003 | | 205.1296 |
| Total | 0.0772 | 0.0530 | 0.7250 | 2.0600e-003 | 0.2012 | 1.6300e-003 | 0.2028 | 0.0534 | 1.5000e-003 | 0.0549 | | 204.9786 | 204.9786 | 6.0400e-003 | | 205.1296 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

605-620 West Elk Avenue - Los Angeles-South Coast County, Summer

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|-----|------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.8468 | 4.1352 | 12.7103 | 0.0422 | 3.2872 | 0.0419 | 3.3291 | 0.8798 | 0.0393 | 0.9191 | | 4,283.1334 | 4,283.1334 | 0.2280 | | 4,288.8331 |
| Unmitigated | 0.8468 | 4.1352 | 12.7103 | 0.0422 | 3.2872 | 0.0419 | 3.3291 | 0.8798 | 0.0393 | 0.9191 | | 4,283.1334 | 4,283.1334 | 0.2280 | | 4,288.8331 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Unrefrigerated Warehouse-No Rail | 360.70 | 360.70 | 360.70 | 1,545,841 | 1,545,841 |
| Total | 360.70 | 360.70 | 360.70 | 1,545,841 | 1,545,841 |

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 |
| Unrefrigerated Warehouse-No Rail | 16.60 | 8.40 | 6.90 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Unrefrigerated Warehouse-No Rail | 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

605-620 West Elk Avenue - Los Angeles-South Coast County, Summer

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 | 5.5200e-003 | 0.0502 | 0.0421 | 3.0000e-004 | | 3.8100e-003 | 3.8100e-003 | | 3.8100e-003 | 3.8100e-003 | | 60.2060 | 60.2060 | 1.1500e-003 | 1.1000e-003 | 60.5637 |
| NaturalGas Unmitigated | 5.5200e-003 | 0.0502 | 0.0421 | 3.0000e-004 | | 3.8100e-003 | 3.8100e-003 | | 3.8100e-003 | 3.8100e-003 | | 60.2060 | 60.2060 | 1.1500e-003 | 1.1000e-003 | 60.5637 |

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 | | | | | |
| Unrefrigerated Warehouse-No Rail | 511.751 | 5.5200e-003 | 0.0502 | 0.0421 | 3.0000e-004 | | 3.8100e-003 | 3.8100e-003 | | 3.8100e-003 | 3.8100e-003 | | 60.2060 | 60.2060 | 1.1500e-003 | 1.1000e-003 | 60.5637 |
| Total | | 5.5200e-003 | 0.0502 | 0.0421 | 3.0000e-004 | | 3.8100e-003 | 3.8100e-003 | | 3.8100e-003 | 3.8100e-003 | | 60.2060 | 60.2060 | 1.1500e-003 | 1.1000e-003 | 60.5637 |

605-620 West Elk Avenue - Los Angeles-South Coast County, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Unrefrigerated Warehouse-No Rail | 0.511751 | 5.5200e-003 | 0.0502 | 0.0421 | 3.0000e-004 | | 3.8100e-003 | 3.8100e-003 | | 3.8100e-003 | 3.8100e-003 | | 60.2060 | 60.2060 | 1.1500e-003 | 1.1000e-003 | 60.5637 |
| Total | | 5.5200e-003 | 0.0502 | 0.0421 | 3.0000e-004 | | 3.8100e-003 | 3.8100e-003 | | 3.8100e-003 | 3.8100e-003 | | 60.2060 | 60.2060 | 1.1500e-003 | 1.1000e-003 | 60.5637 |

6.0 Area Detail

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 | 4.7984 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0470 | 0.0470 | 1.3000e-004 | | 0.0501 |
| Unmitigated | 4.7984 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0470 | 0.0470 | 1.3000e-004 | | 0.0501 |

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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 | 0.5453 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 4.2511 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.0800e-003 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0470 | 0.0470 | 1.3000e-004 | | 0.0501 |
| Total | 4.7984 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0470 | 0.0470 | 1.3000e-004 | | 0.0501 |

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 | 0.5453 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 4.2511 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.0800e-003 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0470 | 0.0470 | 1.3000e-004 | | 0.0501 |
| Total | 4.7984 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0470 | 0.0470 | 1.3000e-004 | | 0.0501 |

7.0 Water Detail

605-620 West Elk Avenue - Los Angeles-South Coast County, Summer

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**

| 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