15481 Ventura Boulevard Existing - Los Angeles-South Coast County, Summer

# 15481 Ventura Boulevard Existing

**Los Angeles-South Coast County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| Motel | 70.00 | Room | 1.00 | 31,472.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.2 | **Precipitation Freq (Days)** | 33 |
| **Climate Zone** | 12 | | | **Operational Year** | 2020 |
| **Utility Company** | Los Angeles Department of Water & Power | | | | |
| **CO2 Intensity (lb/MWhr)** | 1227.89 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Developer information

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblLandUse | LandUseSquareFeet | 137,214.00 | 31,472.00 |
| tblLandUse | LotAcreage | 3.15 | 1.00 |

## 2.0 Emissions Summary

### 2.2 Overall Operational

## Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.7038 | 7.0000e-005 | 7.1900e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | | 3.0000e-005 | 3.0000e-005 | | 0.0153 | 0.0153 | 4.0000e-005 | | 0.0164 |
| Energy | 0.0223 | 0.2027 | 0.1703 | 1.2200e-003 | | 0.0154 | 0.0154 | | 0.0154 | 0.0154 | | 243.2550 | 243.2550 | 4.6600e-003 | 4.4600e-003 | 244.7005 |
| Mobile | 0.7133 | 3.1520 | 8.4276 | 0.0264 | 1.9930 | 0.0265 | 2.0195 | 0.5334 | 0.0248 | 0.5582 | | 2,682.4547 | 2,682.4547 | 0.1509 | | 2,686.2261 |
| **Total** | **1.4393** | **3.3548** | **8.6051** | **0.0276** | **1.9930** | **0.0419** | **2.0349** | **0.5334** | **0.0403** | **0.5737** | | **2,925.7250** | **2,925.7250** | **0.1556** | **4.4600e-003** | **2,930.9430** |

## Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.7038 | 7.0000e-005 | 7.1900e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | | 3.0000e-005 | 3.0000e-005 | | 0.0153 | 0.0153 | 4.0000e-005 | | 0.0164 |
| Energy | 0.0223 | 0.2027 | 0.1703 | 1.2200e-003 | | 0.0154 | 0.0154 | | 0.0154 | 0.0154 | | 243.2550 | 243.2550 | 4.6600e-003 | 4.4600e-003 | 244.7005 |
| Mobile | 0.7133 | 3.1520 | 8.4276 | 0.0264 | 1.9930 | 0.0265 | 2.0195 | 0.5334 | 0.0248 | 0.5582 | | 2,682.4547 | 2,682.4547 | 0.1509 | | 2,686.2261 |
| **Total** | **1.4393** | **3.3548** | **8.6051** | **0.0276** | **1.9930** | **0.0419** | **2.0349** | **0.5334** | **0.0403** | **0.5737** | | **2,925.7250** | **2,925.7250** | **0.1556** | **4.4600e-003** | **2,930.9430** |

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

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | 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 | 0.7133 | 3.1520 | 8.4276 | 0.0264 | 1.9930 | 0.0265 | 2.0195 | 0.5334 | 0.0248 | 0.5582 | | 2,682.4547 | 2,682.4547 | 0.1509 | | 2,686.2261 |
| Unmitigated | 0.7133 | 3.1520 | 8.4276 | 0.0264 | 1.9930 | 0.0265 | 2.0195 | 0.5334 | 0.0248 | 0.5582 | | 2,682.4547 | 2,682.4547 | 0.1509 | | 2,686.2261 |

### 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Motel | 394.10 | 394.10 | 394.10 | 937,214 | 937,214 |
| Total | 394.10 | 394.10 | 394.10 | 937,214 | 937,214 |

### 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Motel | 16.60 | 8.40 | 6.90 | 19.00 | 62.00 | 19.00 | 58 | 38 | 4 |

### 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Motel | 0.547726 | 0.045437 | 0.201486 | 0.122768 | 0.016614 | 0.006090 | 0.019326 | 0.029174 | 0.002438 | 0.002359 | 0.005005 | 0.000673 | 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 | 0.0223 | 0.2027 | 0.1703 | 1.2200e-003 | | 0.0154 | 0.0154 | | 0.0154 | 0.0154 | | 243.2550 | 243.2550 | 4.6600e-003 | 4.4600e-003 | 244.7005 |
| NaturalGas Unmitigated | 0.0223 | 0.2027 | 0.1703 | 1.2200e-003 | | 0.0154 | 0.0154 | | 0.0154 | 0.0154 | | 243.2550 | 243.2550 | 4.6600e-003 | 4.4600e-003 | 244.7005 |

## 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 | | | | | |
| Motel | 2067.67 | 0.0223 | 0.2027 | 0.1703 | 1.2200e-003 | | 0.0154 | 0.0154 | | 0.0154 | 0.0154 | | 243.2550 | 243.2550 | 4.6600e-003 | 4.4600e-003 | 244.7005 |
| **Total** | | **0.0223** | **0.2027** | **0.1703** | **1.2200e-003** | | **0.0154** | **0.0154** | | **0.0154** | **0.0154** | | **243.2550** | **243.2550** | **4.6600e-003** | **4.4600e-003** | **244.7005** |

### 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 | | | | | |
| Motel | 2.06767 | 0.0223 | 0.2027 | 0.1703 | 1.2200e-003 | | 0.0154 | 0.0154 | | 0.0154 | 0.0154 | | 243.2550 | 243.2550 | 4.6600e-003 | 4.4600e-003 | 244.7005 |
| **Total** | | **0.0223** | **0.2027** | **0.1703** | **1.2200e-003** | | **0.0154** | **0.0154** | | **0.0154** | **0.0154** | | **243.2550** | **243.2550** | **4.6600e-003** | **4.4600e-003** | **244.7005** |

## 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 | 0.7038 | 7.0000e-005 | 7.1900e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | | 3.0000e-005 | 3.0000e-005 | | 0.0153 | 0.0153 | 4.0000e-005 | | 0.0164 |
| Unmitigated | 0.7038 | 7.0000e-005 | 7.1900e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | | 3.0000e-005 | 3.0000e-005 | | 0.0153 | 0.0153 | 4.0000e-005 | | 0.0164 |

### 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 | 0.0799 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.6232 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 6.8000e-004 | 7.0000e-005 | 7.1900e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | | 3.0000e-005 | 3.0000e-005 | | 0.0153 | 0.0153 | 4.0000e-005 | | 0.0164 |
| **Total** | **0.7038** | **7.0000e-005** | **7.1900e-003** | **0.0000** | | **3.0000e-005** | **3.0000e-005** | | **3.0000e-005** | **3.0000e-005** | | **0.0153** | **0.0153** | **4.0000e-005** | | **0.0164** |

**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 | 0.0799 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.6232 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 6.8000e-004 | 7.0000e-005 | 7.1900e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | | 3.0000e-005 | 3.0000e-005 | | 0.0153 | 0.0153 | 4.0000e-005 | | 0.0164 |
| **Total** | **0.7038** | **7.0000e-005** | **7.1900e-003** | **0.0000** | | **3.0000e-005** | **3.0000e-005** | | **3.0000e-005** | **3.0000e-005** | | **0.0153** | **0.0153** | **4.0000e-005** | | **0.0164** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

| 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

15481 Ventura Boulevard Existing - Los Angeles-South Coast County, Annual

# 15481 Ventura Boulevard Existing

**Los Angeles-South Coast County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| Motel | 70.00 | Room | 1.00 | 31,472.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.2 | **Precipitation Freq (Days)** | 33 |
| **Climate Zone** | 12 | | | **Operational Year** | 2020 |
| **Utility Company** | Los Angeles Department of Water & Power | | | | |
| **CO2 Intensity (lb/MWhr)** | 1227.89 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Developer information

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblLandUse | LandUseSquareFeet | 137,214.00 | 31,472.00 |
| tblLandUse | LotAcreage | 3.15 | 1.00 |

## 2.0 Emissions Summary

### 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.1284 | 1.0000e-005 | 9.0000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.7400e-003 | 1.7400e-003 | 0.0000 | 0.0000 | 1.8500e-003 |
| Energy | 4.0700e-003 | 0.0370 | 0.0311 | 2.2000e-004 | | 2.8100e-003 | 2.8100e-003 | | 2.8100e-003 | 2.8100e-003 | 0.0000 | 173.1411 | 173.1411 | 3.9100e-003 | 1.3900e-003 | 173.6523 |
| Mobile | 0.1228 | 0.5967 | 1.4955 | 4.6300e-003 | 0.3557 | 4.8300e-003 | 0.3606 | 0.0954 | 4.5300e-003 | 0.0999 | 0.0000 | 427.2173 | 427.2173 | 0.0248 | 0.0000 | 427.8376 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 7.7786 | 0.0000 | 7.7786 | 0.4597 | 0.0000 | 19.2712 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.5633 | 14.0984 | 14.6617 | 0.0582 | 1.4400e-003 | 16.5442 |
| **Total** | **0.2552** | **0.6337** | **1.5275** | **4.8500e-003** | **0.3557** | **7.6400e-003** | **0.3634** | **0.0954** | **7.3400e-003** | **0.1027** | **8.3420** | **614.4585** | **622.8004** | **0.5466** | **2.8300e-003** | **637.3072** |

## 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.1284 | 1.0000e-005 | 9.0000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.7400e-003 | 1.7400e-003 | 0.0000 | 0.0000 | 1.8500e-003 |
| Energy | 4.0700e-003 | 0.0370 | 0.0311 | 2.2000e-004 | | 2.8100e-003 | 2.8100e-003 | | 2.8100e-003 | 2.8100e-003 | 0.0000 | 173.1411 | 173.1411 | 3.9100e-003 | 1.3900e-003 | 173.6523 |
| Mobile | 0.1228 | 0.5967 | 1.4955 | 4.6300e-003 | 0.3557 | 4.8300e-003 | 0.3606 | 0.0954 | 4.5300e-003 | 0.0999 | 0.0000 | 427.2173 | 427.2173 | 0.0248 | 0.0000 | 427.8376 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 7.7786 | 0.0000 | 7.7786 | 0.4597 | 0.0000 | 19.2712 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.5633 | 14.0984 | 14.6617 | 0.0582 | 1.4400e-003 | 16.5442 |
| **Total** | **0.2552** | **0.6337** | **1.5275** | **4.8500e-003** | **0.3557** | **7.6400e-003** | **0.3634** | **0.0954** | **7.3400e-003** | **0.1027** | **8.3420** | **614.4585** | **622.8004** | **0.5466** | **2.8300e-003** | **637.3072** |

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

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.1228 | 0.5967 | 1.4955 | 4.6300e-003 | 0.3557 | 4.8300e-003 | 0.3606 | 0.0954 | 4.5300e-003 | 0.0999 | 0.0000 | 427.2173 | 427.2173 | 0.0248 | 0.0000 | 427.8376 |
| Unmitigated | 0.1228 | 0.5967 | 1.4955 | 4.6300e-003 | 0.3557 | 4.8300e-003 | 0.3606 | 0.0954 | 4.5300e-003 | 0.0999 | 0.0000 | 427.2173 | 427.2173 | 0.0248 | 0.0000 | 427.8376 |

### 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Motel | 394.10 | 394.10 | 394.10 | 937,214 | 937,214 |
| Total | 394.10 | 394.10 | 394.10 | 937,214 | 937,214 |

### 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Motel | 16.60 | 8.40 | 6.90 | 19.00 | 62.00 | 19.00 | 58 | 38 | 4 |

### 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Motel | 0.547726 | 0.045437 | 0.201486 | 0.122768 | 0.016614 | 0.00609( | 0.019326 | 0.029174 | 0.002438 | 0.002359 | 0.005005 | 0.000673 | 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 132.8675 | 132.8675 | 3.1400e-003 | 6.5000e-004 | 133.1394 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 132.8675 | 132.8675 | 3.1400e-003 | 6.5000e-004 | 133.1394 |
| NaturalGas Mitigated | 4.0700e-003 | 0.0370 | 0.0311 | 2.2000e-004 | | 2.8100e-003 | 2.8100e-003 | | 2.8100e-003 | 2.8100e-003 | 0.0000 | 40.2736 | 40.2736 | 7.7000e-004 | 7.4000e-004 | 40.5129 |
| NaturalGas Unmitigated | 4.0700e-003 | 0.0370 | 0.0311 | 2.2000e-004 | | 2.8100e-003 | 2.8100e-003 | | 2.8100e-003 | 2.8100e-003 | 0.0000 | 40.2736 | 40.2736 | 7.7000e-004 | 7.4000e-004 | 40.5129 |

## 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Motel | 754699 | 4.0700e-003 | 0.0370 | 0.0311 | 2.2000e-004 | | 2.8100e-003 | 2.8100e-003 | | 2.8100e-003 | 2.8100e-003 | 0.0000 | 40.2736 | 40.2736 | 7.7000e-004 | 7.4000e-004 | 40.5129 |
| **Total** | | **4.0700e-003** | **0.0370** | **0.0311** | **2.2000e-004** | | **2.8100e-003** | **2.8100e-003** | | **2.8100e-003** | **2.8100e-003** | **0.0000** | **40.2736** | **40.2736** | **7.7000e-004** | **7.4000e-004** | **40.5129** |

### 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Motel | 754699 | 4.0700e-003 | 0.0370 | 0.0311 | 2.2000e-004 | | 2.8100e-003 | 2.8100e-003 | | 2.8100e-003 | 2.8100e-003 | 0.0000 | 40.2736 | 40.2736 | 7.7000e-004 | 7.4000e-004 | 40.5129 |
| **Total** | | **4.0700e-003** | **0.0370** | **0.0311** | **2.2000e-004** | | **2.8100e-003** | **2.8100e-003** | | **2.8100e-003** | **2.8100e-003** | **0.0000** | **40.2736** | **40.2736** | **7.7000e-004** | **7.4000e-004** | **40.5129** |

## 5.3 Energy by Land Use - Electricity

**Unmitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Motel | 238558 | 132.8675 | 3.1400e-003 | 6.5000e-004 | 133.1394 |
| **Total** | | **132.8675** | **3.1400e-003** | **6.5000e-004** | **133.1394** |

**Mitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Motel | 238558 | 132.8675 | 3.1400e-003 | 6.5000e-004 | 133.1394 |
| **Total** | | **132.8675** | **3.1400e-003** | **6.5000e-004** | **133.1394** |

# 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mitigated | 0.1284 | 1.0000e-005 | 9.0000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.7400e-003 | 1.7400e-003 | 0.0000 | 0.0000 | 1.8500e-003 |
| Unmitigated | 0.1284 | 1.0000e-005 | 9.0000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.7400e-003 | 1.7400e-003 | 0.0000 | 0.0000 | 1.8500e-003 |

## 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0146 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.1137 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 8.0000e-005 | 1.0000e-005 | 9.0000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.7400e-003 | 1.7400e-003 | 0.0000 | 0.0000 | 1.8500e-003 |
| **Total** | **0.1284** | **1.0000e-005** | **9.0000e-004** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **1.7400e-003** | **1.7400e-003** | **0.0000** | **0.0000** | **1.8500e-003** |

**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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0146 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.1137 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 8.0000e-005 | 1.0000e-005 | 9.0000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.7400e-003 | 1.7400e-003 | 0.0000 | 0.0000 | 1.8500e-003 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **0.1284** | **1.0000e-005** | **9.0000e-004** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **1.7400e-003** | **1.7400e-003** | **0.0000** | **0.0000** | **1.8500e-003** |

# 7.0 Water Detail

## 7.1 Mitigation Measures Water

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| Category | MT/yr | | | |
| Mitigated | 14.6617 | 0.0582 | 1.4400e-003 | 16.5442 |
| Unmitigated | 14.6617 | 0.0582 | 1.4400e-003 | 16.5442 |

## 7.2 Water by Land Use

**Unmitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Motel | 1.77567 / 0.197297 | 14.6617 | 0.0582 | 1.4400e-003 | 16.5442 |
| **Total** | | **14.6617** | **0.0582** | **1.4400e-003** | **16.5442** |

**Mitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Motel | 1.77567 / 0.197297 | 14.6617 | 0.0582 | 1.4400e-003 | 16.5442 |
| **Total** | | **14.6617** | **0.0582** | **1.4400e-003** | **16.5442** |

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

**Category/Year**

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| | MT/yr | | | |
| Mitigated | 7.7786 | 0.4597 | 0.0000 | 19.2712 |
| Unmitigated | 7.7786 | 0.4597 | 0.0000 | 19.2712 |

### 8.2 Waste by Land Use

**Unmitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |

| | | | | | |
|---|---|---|---|---|---|
| Motel | 38.32 | 7.7786 | 0.4597 | 0.0000 | 19.2712 |
| **Total** | | **7.7786** | **0.4597** | **0.0000** | **19.2712** |

**Mitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Motel | 38.32 | 7.7786 | 0.4597 | 0.0000 | 19.2712 |
| **Total** | | **7.7786** | **0.4597** | **0.0000** | **19.2712** |

## 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 |
|---|---|

15481 Ventura Boulevard Existing - Los Angeles-South Coast County, Winter

# 15481 Ventura Boulevard Existing

**Los Angeles-South Coast County, Winter**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| Motel | 70.00 | Room | 1.00 | 31,472.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.2 | **Precipitation Freq (Days)** | 33 |
| **Climate Zone** | 12 | | | **Operational Year** | 2020 |
| **Utility Company** | Los Angeles Department of Water & Power | | | | |
| **CO2 Intensity (lb/MWhr)** | 1227.89 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Developer information

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblLandUse | LandUseSquareFeet | 137,214.00 | 31,472.00 |
| tblLandUse | LotAcreage | 3.15 | 1.00 |

## 2.0 Emissions Summary

### 2.2 Overall Operational

## Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.7038 | 7.0000e-005 | 7.1900e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | | 3.0000e-005 | 3.0000e-005 | | 0.0153 | 0.0153 | 4.0000e-005 | | 0.0164 |
| Energy | 0.0223 | 0.2027 | 0.1703 | 1.2200e-003 | | 0.0154 | 0.0154 | | 0.0154 | 0.0154 | | 243.2550 | 243.2550 | 4.6600e-003 | 4.4600e-003 | 244.7005 |
| Mobile | 0.6939 | 3.2187 | 8.1330 | 0.0251 | 1.9930 | 0.0267 | 2.0197 | 0.5334 | 0.0250 | 0.5584 | | 2,549.5280 | 2,549.5280 | 0.1512 | | 2,553.3080 |
| **Total** | **1.4199** | **3.4214** | **8.3105** | **0.0263** | **1.9930** | **0.0421** | **2.0351** | **0.5334** | **0.0405** | **0.5739** | | **2,792.7983** | **2,792.7983** | **0.1559** | **4.4600e-003** | **2,798.0249** |

## Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.7038 | 7.0000e-005 | 7.1900e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | | 3.0000e-005 | 3.0000e-005 | | 0.0153 | 0.0153 | 4.0000e-005 | | 0.0164 |
| Energy | 0.0223 | 0.2027 | 0.1703 | 1.2200e-003 | | 0.0154 | 0.0154 | | 0.0154 | 0.0154 | | 243.2550 | 243.2550 | 4.6600e-003 | 4.4600e-003 | 244.7005 |
| Mobile | 0.6939 | 3.2187 | 8.1330 | 0.0251 | 1.9930 | 0.0267 | 2.0197 | 0.5334 | 0.0250 | 0.5584 | | 2,549.5280 | 2,549.5280 | 0.1512 | | 2,553.3080 |
| **Total** | **1.4199** | **3.4214** | **8.3105** | **0.0263** | **1.9930** | **0.0421** | **2.0351** | **0.5334** | **0.0405** | **0.5739** | | **2,792.7983** | **2,792.7983** | **0.1559** | **4.4600e-003** | **2,798.0249** |

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

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | 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 | 0.6939 | 3.2187 | 8.1330 | 0.0251 | 1.9930 | 0.0267 | 2.0197 | 0.5334 | 0.0250 | 0.5584 | | 2,549.5280 | 2,549.5280 | 0.1512 | | 2,553.3080 |
| Unmitigated | 0.6939 | 3.2187 | 8.1330 | 0.0251 | 1.9930 | 0.0267 | 2.0197 | 0.5334 | 0.0250 | 0.5584 | | 2,549.5280 | 2,549.5280 | 0.1512 | | 2,553.3080 |

### 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Motel | 394.10 | 394.10 | 394.10 | 937,214 | 937,214 |
| Total | 394.10 | 394.10 | 394.10 | 937,214 | 937,214 |

### 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Motel | 16.60 | 8.40 | 6.90 | 19.00 | 62.00 | 19.00 | 58 | 38 | 4 |

### 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Motel | 0.547726 | 0.045437 | 0.201486 | 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 | 0.0223 | 0.2027 | 0.1703 | 1.2200e-003 | | 0.0154 | 0.0154 | | 0.0154 | 0.0154 | | 243.2550 | 243.2550 | 4.6600e-003 | 4.4600e-003 | 244.7005 |
| NaturalGas Unmitigated | 0.0223 | 0.2027 | 0.1703 | 1.2200e-003 | | 0.0154 | 0.0154 | | 0.0154 | 0.0154 | | 243.2550 | 243.2550 | 4.6600e-003 | 4.4600e-003 | 244.7005 |

## 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 | | | | | |
| Motel | 2067.67 | 0.0223 | 0.2027 | 0.1703 | 1.2200e-003 | | 0.0154 | 0.0154 | | 0.0154 | 0.0154 | | 243.2550 | 243.2550 | 4.6600e-003 | 4.4600e-003 | 244.7005 |
| **Total** | | **0.0223** | **0.2027** | **0.1703** | **1.2200e-003** | | **0.0154** | **0.0154** | | **0.0154** | **0.0154** | | **243.2550** | **243.2550** | **4.6600e-003** | **4.4600e-003** | **244.7005** |

### 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 | | | | | |
| Motel | 2.06767 | 0.0223 | 0.2027 | 0.1703 | 1.2200e-003 | | 0.0154 | 0.0154 | | 0.0154 | 0.0154 | | 243.2550 | 243.2550 | 4.6600e-003 | 4.4600e-003 | 244.7005 |
| **Total** | | **0.0223** | **0.2027** | **0.1703** | **1.2200e-003** | | **0.0154** | **0.0154** | | **0.0154** | **0.0154** | | **243.2550** | **243.2550** | **4.6600e-003** | **4.4600e-003** | **244.7005** |

## 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 | 0.7038 | 7.0000e-005 | 7.1900e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | | 3.0000e-005 | 3.0000e-005 | | 0.0153 | 0.0153 | 4.0000e-005 | | 0.0164 |
| Unmitigated | 0.7038 | 7.0000e-005 | 7.1900e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | | 3.0000e-005 | 3.0000e-005 | | 0.0153 | 0.0153 | 4.0000e-005 | | 0.0164 |

### 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 | 0.0799 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.6232 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 6.8000e-004 | 7.0000e-005 | 7.1900e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | | 3.0000e-005 | 3.0000e-005 | | 0.0153 | 0.0153 | 4.0000e-005 | | 0.0164 |
| **Total** | **0.7038** | **7.0000e-005** | **7.1900e-003** | **0.0000** | | **3.0000e-005** | **3.0000e-005** | | **3.0000e-005** | **3.0000e-005** | | **0.0153** | **0.0153** | **4.0000e-005** | | **0.0164** |

**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 | 0.0799 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.6232 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 6.8000e-004 | 7.0000e-005 | 7.1900e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | | 3.0000e-005 | 3.0000e-005 | | 0.0153 | 0.0153 | 4.0000e-005 | | 0.0164 |
| **Total** | **0.7038** | **7.0000e-005** | **7.1900e-003** | **0.0000** | | **3.0000e-005** | **3.0000e-005** | | **3.0000e-005** | **3.0000e-005** | | **0.0153** | **0.0153** | **4.0000e-005** | | **0.0164** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

| 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

15481 Ventura Boulevard Future - Los Angeles-South Coast County, Summer

# 15481 Ventura Boulevard Future

**Los Angeles-South Coast County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| Enclosed Parking with Elevator | 174.00 | Space | 0.00 | 69,600.00 | 0 |
| Hotel | 158.00 | Room | 1.00 | 78,692.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.2 | **Precipitation Freq (Days)** | 33 |
| **Climate Zone** | 12 | | | **Operational Year** | 2023 |
| **Utility Company** | Los Angeles Department of Water & Power | | | | |
| **CO2 Intensity (lb/MWhr)** | 1227.89 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Developer information

Construction Phase - Developer information

Off-road Equipment - Developer information

Off-road Equipment - Developer information

Off-road Equipment - Developer information

Trips and VMT - Assumes 25-mile one-way trip to haul soil and demolition material, employee trip length based on Gibson Transportation Consulting,

Demolition - Developer information

Grading - Developer information

Vehicle Trips - Gibson Transportation Consulting, Transportation Assessment for the Sherman Oaks AC Hotel Project; January 2020

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiencies

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblConstDustMitigation | CleanPavedRoadPercentReduction | 0 | 46 |
| tblConstructionPhase | NumDays | 5.00 | 87.00 |
| tblConstructionPhase | NumDays | 100.00 | 391.00 |
| tblConstructionPhase | NumDays | 10.00 | 45.00 |
| tblConstructionPhase | NumDays | 2.00 | 64.00 |
| tblGrading | AcresOfGrading | 24.00 | 2.00 |
| tblGrading | MaterialExported | 0.00 | 13,000.00 |
| tblLandUse | LandUseSquareFeet | 229,416.00 | 78,692.00 |
| tblLandUse | LotAcreage | 1.57 | 0.00 |
| tblLandUse | LotAcreage | 5.27 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 1.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 4.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 5.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 25.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 25.00 |
| tblTripsAndVMT | HaulingTripNumber | 1,625.00 | 1,300.00 |
| tblTripsAndVMT | WorkerTripLength | 14.70 | 11.60 |
| tblTripsAndVMT | WorkerTripLength | 14.70 | 11.60 |
| tblTripsAndVMT | WorkerTripLength | 14.70 | 11.60 |
| tblTripsAndVMT | WorkerTripLength | 14.70 | 11.60 |
| tblTripsAndVMT | WorkerTripNumber | 25.00 | 18.00 |
| tblTripsAndVMT | WorkerTripNumber | 25.00 | 23.00 |

| | | | |
|---|---|---|---|
| tblVehicleTrips | ST_TR | 8.19 | 6.65 |
| tblVehicleTrips | WD_TR | 8.17 | 6.63 |

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

**Unmitigated Construction**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2021 | 2.4131 | 23.1755 | 18.1773 | 0.0357 | 0.9167 | 1.1254 | 2.0421 | 0.1654 | 1.0566 | 1.2220 | 0.0000 | 3,461.8120 | 3,461.8120 | 0.7657 | 0.0000 | 3,480.9538 |
| 2022 | 2.1558 | 25.6325 | 20.1107 | 0.0549 | 5.2195 | 0.8487 | 6.0682 | 2.6652 | 0.7835 | 3.4487 | 0.0000 | 5,524.0701 | 5,524.0701 | 1.1763 | 0.0000 | 5,553.4763 |
| 2023 | 10.7715 | 17.9158 | 21.9639 | 0.0465 | 0.8065 | 0.7504 | 1.5569 | 0.2174 | 0.7270 | 0.9444 | 0.0000 | 4,480.2759 | 4,480.2759 | 0.5424 | 0.0000 | 4,493.8347 |
| **Maximum** | **10.7715** | **25.6325** | **21.9639** | **0.0549** | **5.2195** | **1.1254** | **6.0682** | **2.6652** | **1.0566** | **3.4487** | **0.0000** | **5,524.0701** | **5,524.0701** | **1.1763** | **0.0000** | **5,553.4763** |

**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 | | | | | |
| 2021 | 2.4131 | 23.1755 | 18.1773 | 0.0357 | 0.3957 | 1.1254 | 1.5211 | 0.0783 | 1.0566 | 1.1349 | 0.0000 | 3,461.8120 | 3,461.8120 | 0.7657 | 0.0000 | 3,480.9538 |
| 2022 | 2.1558 | 25.6325 | 20.1107 | 0.0549 | 2.1054 | 0.8487 | 2.9541 | 1.0401 | 0.7835 | 1.8236 | 0.0000 | 5,524.0701 | 5,524.0701 | 1.1763 | 0.0000 | 5,553.4763 |
| 2023 | 10.7715 | 17.9158 | 21.9639 | 0.0465 | 0.4951 | 0.7504 | 1.2455 | 0.1410 | 0.7270 | 0.8680 | 0.0000 | 4,480.2759 | 4,480.2759 | 0.5424 | 0.0000 | 4,493.8347 |
| **Maximum** | **10.7715** | **25.6325** | **21.9639** | **0.0549** | **2.1054** | **1.1254** | **2.9541** | **1.0401** | **1.0566** | **1.8236** | **0.0000** | **5,524.0701** | **5,524.0701** | **1.1763** | **0.0000** | **5,553.4763** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **56.84** | **0.00** | **40.82** | **58.68** | **0.00** | **31.85** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |

## 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 | 1.7911 | 3.1000e-004 | 0.0339 | 0.0000 | | 1.2000e-004 | 1.2000e-004 | | 1.2000e-004 | 1.2000e-004 | | 0.0727 | 0.0727 | 1.9000e-004 | | 0.0774 |
| Energy | 0.0558 | 0.5069 | 0.4258 | 3.0400e-003 | | 0.0385 | 0.0385 | | 0.0385 | 0.0385 | | 608.2302 | 608.2302 | 0.0117 | 0.0112 | 611.8446 |
| Mobile | 1.4971 | 6.0137 | 17.7042 | 0.0648 | 5.3313 | 0.0480 | 5.3793 | 1.4267 | 0.0446 | 1.4713 | | 6,604.7349 | 6,604.7349 | 0.3240 | | 6,612.8342 |
| **Total** | **3.3439** | **6.5209** | **18.1638** | **0.0679** | **5.3313** | **0.0866** | **5.4179** | **1.4267** | **0.0833** | **1.5099** | | **7,213.0378** | **7,213.0378** | **0.3358** | **0.0112** | **7,224.7562** |

### 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 | 1.7911 | 3.1000e-004 | 0.0339 | 0.0000 | | 1.2000e-004 | 1.2000e-004 | | 1.2000e-004 | 1.2000e-004 | | 0.0727 | 0.0727 | 1.9000e-004 | | 0.0774 |
| Energy | 0.0558 | 0.5069 | 0.4258 | 3.0400e-003 | | 0.0385 | 0.0385 | | 0.0385 | 0.0385 | | 608.2302 | 608.2302 | 0.0117 | 0.0112 | 611.8446 |
| Mobile | 1.4971 | 6.0137 | 17.7042 | 0.0648 | 5.3313 | 0.0480 | 5.3793 | 1.4267 | 0.0446 | 1.4713 | | 6,604.7349 | 6,604.7349 | 0.3240 | | 6,612.8342 |
| **Total** | **3.3439** | **6.5209** | **18.1638** | **0.0679** | **5.3313** | **0.0866** | **5.4179** | **1.4267** | **0.0833** | **1.5099** | | **7,213.0378** | **7,213.0378** | **0.3358** | **0.0112** | **7,224.7562** |

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

## 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 | 11/1/2021 | 12/31/2021 | 5 | 45 | |
| 2 | Grading | Grading | 1/3/2022 | 3/31/2022 | 5 | 64 | |
| 3 | Building Construction | Building Construction | 4/1/2022 | 9/29/2023 | 5 | 391 | |
| 4 | Architectural Coating | Architectural Coating | 6/1/2023 | 9/29/2023 | 5 | 87 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 2**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 118,038; Non-Residential Outdoor: 39,346; Striped Parking Area: 4,176**

### OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Aerial Lifts | 0 | | 63 | 0.31 |
| Demolition | Concrete/Industrial Saws | 1 | 4.00 | 81 | 0.73 |
| Demolition | Crushing/Proc. Equipment | 1 | 6.00 | 85 | 0.78 |
| Demolition | Dumpers/Tenders | 1 | 5.00 | 16 | 0.38 |
| Demolition | Rubber Tired Dozers | 1 | 6.00 | 247 | 0.40 |
| Demolition | Rubber Tired Loaders | 1 | 6.00 | 203 | 0.36 |
| Demolition | Signal Boards | 1 | 6.00 | 6 | 0.82 |
| Demolition | Skid Steer Loaders | 1 | 5.00 | 65 | 0.37 |
| Demolition | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Grading | Bore/Drill Rigs | 1 | 6.00 | 221 | 0.50 |

| | | | | | |
|---|---|---|---|---|---|
| Grading | Dumpers/Tenders | 1 | 5.00 | 16 | 0.38 |
| Grading | Excavators | 1 | 6.00 | 158 | 0.38 |
| Grading | Graders | 1 | 6.00 | 187 | 0.41 |
| Grading | Rollers | 1 | 6.00 | 80 | 0.38 |
| Grading | Rubber Tired Dozers | 1 | 6.00 | 247 | 0.40 |
| Grading | Rubber Tired Loaders | 1 | 6.00 | 203 | 0.36 |
| Grading | Signal Boards | 1 | 8.00 | 6 | 0.82 |
| Grading | Skid Steer Loaders | 1 | 4.00 | 65 | 0.37 |
| Grading | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Building Construction | Cement and Mortar Mixers | 1 | 6.00 | 9 | 0.56 |
| Building Construction | Concrete/Industrial Saws | 2 | 4.00 | 81 | 0.73 |
| Building Construction | Cranes | 1 | 6.00 | 231 | 0.29 |
| Building Construction | Forklifts | 1 | 5.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 2 | 6.00 | 84 | 0.74 |
| Building Construction | Pavers | 1 | 4.00 | 130 | 0.42 |
| Building Construction | Rough Terrain Forklifts | 1 | 5.00 | 100 | 0.40 |
| Building Construction | Signal Boards | 1 | 8.00 | 6 | 0.82 |
| Building Construction | Tractors/Loaders/Backhoes | 1 | 6.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 6.00 | 46 | 0.45 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

**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 | 10 | 18.00 | 0.00 | 143.00 | 11.60 | 6.90 | 25.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 10 | 23.00 | 0.00 | 1,300.00 | 11.60 | 6.90 | 25.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 12 | 62.00 | 24.00 | 0.00 | 11.60 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 12.00 | 0.00 | 0.00 | 11.60 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Clean Paved Roads

### 3.2 Demolition - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.6884 | 0.0000 | 0.6884 | 0.1042 | 0.0000 | 0.1042 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.3165 | 22.1412 | 17.3509 | 0.0311 | | 1.1209 | 1.1209 | | 1.0523 | 1.0523 | | 2,972.0608 | 2,972.0608 | 0.7393 | | 2,990.5421 |
| **Total** | **2.3165** | **22.1412** | **17.3509** | **0.0311** | **0.6884** | **1.1209** | **1.8093** | **0.1042** | **1.0523** | **1.1566** | | **2,972.0608** | **2,972.0608** | **0.7393** | | **2,990.5421** |

**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 | 0.0319 | 0.9915 | 0.2407 | 3.0100e-003 | 0.0694 | 3.2400e-003 | 0.0727 | 0.0190 | 3.1000e-003 | 0.0221 | | 327.1455 | 327.1455 | 0.0216 | | 327.6850 |
| 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 | 0.0648 | 0.0428 | 0.5857 | 1.6300e-003 | 0.1588 | 1.3100e-003 | 0.1601 | 0.0421 | 1.2000e-003 | 0.0433 | | 162.6057 | 162.6057 | 4.8400e-003 | | 162.7267 |
| **Total** | **0.0966** | **1.0343** | **0.8265** | **4.6400e-003** | **0.2283** | **4.5500e-003** | **0.2328** | **0.0612** | **4.3000e-003** | **0.0655** | | **489.7512** | **489.7512** | **0.0264** | | **490.4117** |

**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 | | | | | 0.2551 | 0.0000 | 0.2551 | 0.0386 | 0.0000 | 0.0386 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.3165 | 22.1412 | 17.3509 | 0.0311 | | 1.1209 | 1.1209 | | 1.0523 | 1.0523 | 0.0000 | 2,972.0608 | 2,972.0608 | 0.7393 | | 2,990.5421 |
| **Total** | **2.3165** | **22.1412** | **17.3509** | **0.0311** | **0.2551** | **1.1209** | **1.3760** | **0.0386** | **1.0523** | **1.0910** | **0.0000** | **2,972.0608** | **2,972.0608** | **0.7393** | | **2,990.5421** |

**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 | 0.0319 | 0.9915 | 0.2407 | 3.0100e-003 | 0.0453 | 3.2400e-003 | 0.0485 | 0.0131 | 3.1000e-003 | 0.0162 | | 327.1455 | 327.1455 | 0.0216 | | 327.6850 |
| 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 | 0.0648 | 0.0428 | 0.5857 | 1.6300e-003 | 0.0953 | 1.3100e-003 | 0.0966 | 0.0265 | 1.2000e-003 | 0.0277 | | 162.6057 | 162.6057 | 4.8400e-003 | | 162.7267 |
| **Total** | **0.0966** | **1.0343** | **0.8265** | **4.6400e-003** | **0.1406** | **4.5500e-003** | **0.1451** | **0.0396** | **4.3000e-003** | **0.0439** | | **489.7512** | **489.7512** | **0.0264** | | **490.4117** |

## 3.3 Grading - 2022

**Unmitigated Construction On-Site**

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

| Category | lb/day | | | | | | | | | | lb/day | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fugitive Dust | | | | | 4.5727 | 0.0000 | 4.5727 | 2.4897 | 0.0000 | 2.4897 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8844 | 19.7144 | 13.6033 | 0.0339 | | 0.8291 | 0.8291 | | 0.7647 | 0.7647 | | 3,257.4249 | 3,257.4249 | 1.0345 | | 3,283.2864 |
| **Total** | **1.8844** | **19.7144** | **13.6033** | **0.0339** | **4.5727** | **0.8291** | **5.4017** | **2.4897** | **0.7647** | **3.2545** | | **3,257.4249** | **3,257.4249** | **1.0345** | | **3,283.2864** |

## 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 | 0.1939 | 5.8687 | 1.5243 | 0.0190 | 0.4439 | 0.0180 | 0.4619 | 0.1217 | 0.0172 | 0.1389 | | 2,066.1778 | 2,066.1778 | 0.1362 | | 2,069.5829 |
| 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 | 0.0775 | 0.0494 | 0.6902 | 2.0100e-003 | 0.2029 | 1.6200e-003 | 0.2045 | 0.0538 | 1.4900e-003 | 0.0553 | | 200.4674 | 200.4674 | 5.5900e-003 | | 200.6071 |
| **Total** | **0.2714** | **5.9181** | **2.2144** | **0.0210** | **0.6468** | **0.0196** | **0.6664** | **0.1755** | **0.0187** | **0.1942** | | **2,266.6452** | **2,266.6452** | **0.1418** | | **2,270.1900** |

## 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 | | | | | 1.6942 | 0.0000 | 1.6942 | 0.9224 | 0.0000 | 0.9224 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8844 | 19.7144 | 13.6033 | 0.0339 | | 0.8291 | 0.8291 | | 0.7647 | 0.7647 | 0.0000 | 3,257.4249 | 3,257.4249 | 1.0345 | | 3,283.2864 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **1.8844** | **19.7144** | **13.6033** | **0.0339** | **1.6942** | **0.8291** | **2.5232** | **0.9224** | **0.7647** | **1.6872** | **0.0000** | **3,257.4249** | **3,257.4249** | **1.0345** | | **3,283.2864** |

**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 | 0.1939 | 5.8687 | 1.5243 | 0.0190 | 0.2895 | 0.0180 | 0.3075 | 0.0838 | 0.0172 | 0.1010 | | 2,066.1778 | 2,066.1778 | 0.1362 | | 2,069.5829 |
| 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 | 0.0775 | 0.0494 | 0.6902 | 2.0100e-003 | 0.1218 | 1.6200e-003 | 0.1234 | 0.0339 | 1.4900e-003 | 0.0354 | | 200.4674 | 200.4674 | 5.5900e-003 | | 200.6071 |
| **Total** | **0.2714** | **5.9181** | **2.2144** | **0.0210** | **0.4113** | **0.0196** | **0.4309** | **0.1177** | **0.0187** | **0.1364** | | **2,266.6452** | **2,266.6452** | **0.1418** | | **2,270.1900** |

## 3.4 Building Construction - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.8093 | 15.9552 | 17.6738 | 0.0314 | | 0.7668 | 0.7668 | | 0.7410 | 0.7410 | | 2,943.8224 | 2,943.8224 | 0.4840 | | 2,955.9232 |
| **Total** | **1.8093** | **15.9552** | **17.6738** | **0.0314** | | **0.7668** | **0.7668** | | **0.7410** | **0.7410** | | **2,943.8224** | **2,943.8224** | **0.4840** | | **2,955.9232** |

**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 | 0.0685 | 2.2159 | 0.5764 | 6.1100e-003 | 0.1537 | 4.1700e-003 | 0.1578 | 0.0442 | 3.9800e-003 | 0.0482 | | 653.9661 | 653.9661 | 0.0375 | | 654.9044 |
| Worker | 0.2088 | 0.1331 | 1.8605 | 5.4200e-003 | 0.5470 | 4.3600e-003 | 0.5514 | 0.1451 | 4.0200e-003 | 0.1491 | | 540.3904 | 540.3904 | 0.0151 | | 540.7670 |
| **Total** | **0.2773** | **2.3491** | **2.4369** | **0.0115** | **0.7007** | **8.5300e-003** | **0.7092** | **0.1893** | **8.0000e-003** | **0.1973** | | **1,194.3565** | **1,194.3565** | **0.0526** | | **1,195.6713** |

**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 | 1.8093 | 15.9552 | 17.6738 | 0.0314 | | 0.7668 | 0.7668 | | 0.7410 | 0.7410 | 0.0000 | 2,943.8224 | 2,943.8224 | 0.4840 | | 2,955.9232 |
| **Total** | **1.8093** | **15.9552** | **17.6738** | **0.0314** | | **0.7668** | **0.7668** | | **0.7410** | **0.7410** | **0.0000** | **2,943.8224** | **2,943.8224** | **0.4840** | | **2,955.9232** |

**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 | 0.0685 | 2.2159 | 0.5764 | 6.1100e-003 | 0.1033 | 4.1700e-003 | 0.1075 | 0.0319 | 3.9800e-003 | 0.0359 | | 653.9661 | 653.9661 | 0.0375 | | 654.9044 |
| Worker | 0.2088 | 0.1331 | 1.8605 | 5.4200e-003 | 0.3283 | 4.3600e-003 | 0.3327 | 0.0914 | 4.0200e-003 | 0.0954 | | 540.3904 | 540.3904 | 0.0151 | | 540.7670 |
| **Total** | **0.2773** | **2.3491** | **2.4369** | **0.0115** | **0.4316** | **8.5300e-003** | **0.4401** | **0.1233** | **8.0000e-003** | **0.1313** | | **1,194.3565** | **1,194.3565** | **0.0526** | | **1,195.6713** |

## 3.4 Building Construction - 2023

### 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 | 1.6880 | 14.7878 | 17.5881 | 0.0314 | | 0.6725 | 0.6725 | | 0.6497 | 0.6497 | | 2,944.0785 | 2,944.0785 | 0.4761 | | 2,955.9799 |
| **Total** | **1.6880** | **14.7878** | **17.5881** | **0.0314** | | **0.6725** | **0.6725** | | **0.6497** | **0.6497** | | **2,944.0785** | **2,944.0785** | **0.4761** | | **2,955.9799** |

### 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 | 0.0508 | 1.6814 | 0.5205 | 5.9100e-003 | 0.1537 | 1.9400e-003 | 0.1556 | 0.0442 | 1.8600e-003 | 0.0461 | | 633.3778 | 633.3778 | 0.0333 | | 634.2092 |
| Worker | 0.1959 | 0.1204 | 1.7127 | 5.2200e-003 | 0.5470 | 4.2400e-003 | 0.5512 | 0.1451 | 3.9000e-003 | 0.1490 | | 520.6085 | 520.6085 | 0.0136 | | 520.9480 |
| **Total** | **0.2467** | **1.8018** | **2.2333** | **0.0111** | **0.7007** | **6.1800e-003** | **0.7068** | **0.1893** | **5.7600e-003** | **0.1951** | | **1,153.9864** | **1,153.9864** | **0.0468** | | **1,155.1572** |

**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 | 1.6880 | 14.7878 | 17.5881 | 0.0314 | | 0.6725 | 0.6725 | | 0.6497 | 0.6497 | 0.0000 | 2,944.0785 | 2,944.0785 | 0.4761 | | 2,955.9799 |
| **Total** | **1.6880** | **14.7878** | **17.5881** | **0.0314** | | **0.6725** | **0.6725** | | **0.6497** | **0.6497** | **0.0000** | **2,944.0785** | **2,944.0785** | **0.4761** | | **2,955.9799** |

**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 | 0.0508 | 1.6814 | 0.5205 | 5.9100e-003 | 0.1033 | 1.9400e-003 | 0.1052 | 0.0319 | 1.8600e-003 | 0.0337 | | 633.3778 | 633.3778 | 0.0333 | | 634.2092 |
| Worker | 0.1959 | 0.1204 | 1.7127 | 5.2200e-003 | 0.3283 | 4.2400e-003 | 0.3325 | 0.0914 | 3.9000e-003 | 0.0953 | | 520.6085 | 520.6085 | 0.0136 | | 520.9480 |
| **Total** | **0.2467** | **1.8018** | **2.2333** | **0.0111** | **0.4316** | **6.1800e-003** | **0.4378** | **0.1233** | **5.7600e-003** | **0.1291** | | **1,153.9864** | **1,153.9864** | **0.0468** | | **1,155.1572** |

## 3.5 Architectural Coating - 2023

**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 | 8.6073 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1917 | 1.3030 | 1.8111 | 2.9700e-003 | | 0.0708 | 0.0708 | | 0.0708 | 0.0708 | | 281.4481 | 281.4481 | 0.0168 | | 281.8690 |
| **Total** | **8.7989** | **1.3030** | **1.8111** | **2.9700e-003** | | **0.0708** | **0.0708** | | **0.0708** | **0.0708** | | **281.4481** | **281.4481** | **0.0168** | | **281.8690** |

## 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 | 0.0379 | 0.0233 | 0.3315 | 1.0100e-003 | 0.1059 | 8.2000e-004 | 0.1067 | 0.0281 | 7.6000e-004 | 0.0288 | | 100.7629 | 100.7629 | 2.6300e-003 | | 100.8286 |
| **Total** | **0.0379** | **0.0233** | **0.3315** | **1.0100e-003** | **0.1059** | **8.2000e-004** | **0.1067** | **0.0281** | **7.6000e-004** | **0.0288** | | **100.7629** | **100.7629** | **2.6300e-003** | | **100.8286** |

## 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 | 8.6073 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1917 | 1.3030 | 1.8111 | 2.9700e-003 | | 0.0708 | 0.0708 | | 0.0708 | 0.0708 | 0.0000 | 281.4481 | 281.4481 | 0.0168 | | 281.8690 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **8.7989** | **1.3030** | **1.8111** | **2.9700e-003** | | **0.0708** | **0.0708** | | **0.0708** | **0.0708** | **0.0000** | **281.4481** | **281.4481** | **0.0168** | | **281.8690** |

**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 | 0.0379 | 0.0233 | 0.3315 | 1.0100e-003 | 0.0635 | 8.2000e-004 | 0.0644 | 0.0177 | 7.6000e-004 | 0.0185 | | 100.7629 | 100.7629 | 2.6300e-003 | | 100.8286 |
| **Total** | **0.0379** | **0.0233** | **0.3315** | **1.0100e-003** | **0.0635** | **8.2000e-004** | **0.0644** | **0.0177** | **7.6000e-004** | **0.0185** | | **100.7629** | **100.7629** | **2.6300e-003** | | **100.8286** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | 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 | 1.4971 | 6.0137 | 17.7042 | 0.0648 | 5.3313 | 0.0480 | 5.3793 | 1.4267 | 0.0446 | 1.4713 | | 6,604.7349 | 6,604.7349 | 0.3240 | | 6,612.8342 |
| Unmitigated | 1.4971 | 6.0137 | 17.7042 | 0.0648 | 5.3313 | 0.0480 | 5.3793 | 1.4267 | 0.0446 | 1.4713 | | 6,604.7349 | 6,604.7349 | 0.3240 | | 6,612.8342 |

### 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | | |
| Hotel | 1,047.54 | 1,050.70 | 940.10 | 2,464,063 | 2,464,063 |
| Total | 1,047.54 | 1,050.70 | 940.10 | 2,464,063 | 2,464,063 |

### 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Enclosed Parking with Elevator | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Hotel | 16.60 | 8.40 | 6.90 | 19.40 | 61.60 | 19.00 | 58 | 38 | 4 |

### 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Enclosed Parking with Elevator | 0.545842 | 0.044766 | 0.205286 | 0.119311 | 0.015356 | 0.006227 | 0.020466 | 0.031333 | 0.002546 | 0.002133 | 0.005184 | 0.000692 | 0.000862 |
| Hotel | 0.545842 | 0.044766 | 0.205286 | 0.119311 | 0.015356 | 0.006227 | 0.020466 | 0.031333 | 0.002546 | 0.002133 | 0.005184 | 0.000692 | 0.000862 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0558 | 0.5069 | 0.4258 | 3.0400e-003 | | 0.0385 | 0.0385 | | 0.0385 | 0.0385 | | 608.2302 | 608.2302 | 0.0117 | 0.0112 | 611.8446 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NaturalGas Unmitigated | 0.0558 | 0.5069 | 0.4258 | 3.0400e-003 | | 0.0385 | 0.0385 | | 0.0385 | 0.0385 | | 608.2302 | 608.2302 | 0.0117 | 0.0112 | 611.8446 |

## 5.2 Energy by Land Use - NaturalGas

**Unmitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Enclosed Parking with Elevator | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hotel | 5169.96 | 0.0558 | 0.5069 | 0.4258 | 3.0400e-003 | | 0.0385 | 0.0385 | | 0.0385 | 0.0385 | | 608.2302 | 608.2302 | 0.0117 | 0.0112 | 611.8446 |
| **Total** | | **0.0558** | **0.5069** | **0.4258** | **3.0400e-003** | | **0.0385** | **0.0385** | | **0.0385** | **0.0385** | | **608.2302** | **608.2302** | **0.0117** | **0.0112** | **611.8446** |

**Mitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Enclosed Parking with Elevator | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hotel | 5.16996 | 0.0558 | 0.5069 | 0.4258 | 3.0400e-003 | | 0.0385 | 0.0385 | | 0.0385 | 0.0385 | | 608.2302 | 608.2302 | 0.0117 | 0.0112 | 611.8446 |
| **Total** | | **0.0558** | **0.5069** | **0.4258** | **3.0400e-003** | | **0.0385** | **0.0385** | | **0.0385** | **0.0385** | | **608.2302** | **608.2302** | **0.0117** | **0.0112** | **611.8446** |

# 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 | 1.7911 | 3.1000e-004 | 0.0339 | 0.0000 | | 1.2000e-004 | 1.2000e-004 | | 1.2000e-004 | 1.2000e-004 | | 0.0727 | 0.0727 | 1.9000e-004 | | 0.0774 |
| Unmitigated | 1.7911 | 3.1000e-004 | 0.0339 | 0.0000 | | 1.2000e-004 | 1.2000e-004 | | 1.2000e-004 | 1.2000e-004 | | 0.0727 | 0.0727 | 1.9000e-004 | | 0.0774 |

## 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 | 0.2052 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 1.5828 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 3.1400e-003 | 3.1000e-004 | 0.0339 | 0.0000 | | 1.2000e-004 | 1.2000e-004 | | 1.2000e-004 | 1.2000e-004 | | 0.0727 | 0.0727 | 1.9000e-004 | | 0.0774 |
| **Total** | **1.7911** | **3.1000e-004** | **0.0339** | **0.0000** | | **1.2000e-004** | **1.2000e-004** | | **1.2000e-004** | **1.2000e-004** | | **0.0727** | **0.0727** | **1.9000e-004** | | **0.0774** |

**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 | 0.2052 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 1.5828 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 3.1400e-003 | 3.1000e-004 | 0.0339 | 0.0000 | | 1.2000e-004 | 1.2000e-004 | | 1.2000e-004 | 1.2000e-004 | | 0.0727 | 0.0727 | 1.9000e-004 | | 0.0774 |
| **Total** | **1.7911** | **3.1000e-004** | **0.0339** | **0.0000** | | **1.2000e-004** | **1.2000e-004** | | **1.2000e-004** | **1.2000e-004** | | **0.0727** | **0.0727** | **1.9000e-004** | | **0.0774** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

| 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

15481 Ventura Boulevard Future - Los Angeles-South Coast County, Annual

# 15481 Ventura Boulevard Future

**Los Angeles-South Coast County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| Enclosed Parking with Elevator | 174.00 | Space | 0.00 | 69,600.00 | 0 |
| Hotel | 158.00 | Room | 1.00 | 78,692.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.2 | **Precipitation Freq (Days)** | 33 |
| **Climate Zone** | 12 | | | **Operational Year** | 2023 |
| **Utility Company** | Los Angeles Department of Water & Power | | | | |
| **CO2 Intensity (lb/MWhr)** | 1227.89 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Developer information

Construction Phase - Developer information

Off-road Equipment - Developer information

Off-road Equipment - Developer information

Off-road Equipment - Developer information

Trips and VMT - Assumes 25-mile one-way trip to haul soil and demolition material, employee trip length based on Gibson Transportation Consulting,

Demolition - Developer information

Grading - Developer information

Vehicle Trips - Gibson Transportation Consulting, Transportation Assessment for the Sherman Oaks AC Hotel Project; January 2020

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiencies

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblConstDustMitigation | CleanPavedRoadPercentReduction | 0 | 46 |
| tblConstructionPhase | NumDays | 5.00 | 87.00 |
| tblConstructionPhase | NumDays | 100.00 | 391.00 |
| tblConstructionPhase | NumDays | 10.00 | 45.00 |
| tblConstructionPhase | NumDays | 2.00 | 64.00 |
| tblGrading | AcresOfGrading | 24.00 | 2.00 |
| tblGrading | MaterialExported | 0.00 | 13,000.00 |
| tblLandUse | LandUseSquareFeet | 229,416.00 | 78,692.00 |
| tblLandUse | LotAcreage | 1.57 | 0.00 |
| tblLandUse | LotAcreage | 5.27 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 1.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 4.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 5.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 25.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 25.00 |
| tblTripsAndVMT | HaulingTripNumber | 1,625.00 | 1,300.00 |
| tblTripsAndVMT | WorkerTripLength | 14.70 | 11.60 |
| tblTripsAndVMT | WorkerTripLength | 14.70 | 11.60 |
| tblTripsAndVMT | WorkerTripLength | 14.70 | 11.60 |
| tblTripsAndVMT | WorkerTripLength | 14.70 | 11.60 |
| tblTripsAndVMT | WorkerTripNumber | 25.00 | 18.00 |

| | | | |
|---|---|---|---|
| tblTripsAndVMT | WorkerTripNumber | 25.00 | 23.00 |
| tblVehicleTrips | ST_TR | 8.19 | 6.65 |
| tblVehicleTrips | WD_TR | 8.17 | 6.63 |

## 2.0 Emissions Summary

### 2.1 Overall Construction

#### 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2021 | 0.0543 | 0.5224 | 0.4084 | 8.0000e-004 | 0.0205 | 0.0253 | 0.0459 | 3.7000e-003 | 0.0238 | 0.0275 | 0.0000 | 70.4800 | 70.4800 | 0.0156 | 0.0000 | 70.8708 |
| 2022 | 0.2736 | 2.6259 | 2.4693 | 5.9300e-003 | 0.2340 | 0.1032 | 0.3372 | 0.1034 | 0.0985 | 0.2019 | 0.0000 | 524.9358 | 524.9358 | 0.0819 | 0.0000 | 526.9842 |
| 2023 | 0.5731 | 1.6787 | 2.0175 | 4.2900e-003 | 0.0715 | 0.0693 | 0.1408 | 0.0193 | 0.0670 | 0.0864 | 0.0000 | 374.7916 | 374.7916 | 0.0470 | 0.0000 | 375.9675 |
| **Maximum** | **0.5731** | **2.6259** | **2.4693** | **5.9300e-003** | **0.2340** | **0.1032** | **0.3372** | **0.1034** | **0.0985** | **0.2019** | **0.0000** | **524.9358** | **524.9358** | **0.0819** | **0.0000** | **526.9842** |

#### 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2021 | 0.0543 | 0.5224 | 0.4084 | 8.0000e-004 | 8.8500e-003 | 0.0253 | 0.0342 | 1.7500e-003 | 0.0238 | 0.0255 | 0.0000 | 70.4799 | 70.4799 | 0.0156 | 0.0000 | 70.8707 |
| 2022 | 0.2736 | 2.6259 | 2.4693 | 5.9300e-003 | 0.1088 | 0.1032 | 0.2119 | 0.0451 | 0.0985 | 0.1436 | 0.0000 | 524.9354 | 524.9354 | 0.0819 | 0.0000 | 526.9838 |
| 2023 | 0.5731 | 1.6787 | 2.0175 | 4.2900e-003 | 0.0441 | 0.0693 | 0.1134 | 0.0126 | 0.0670 | 0.0796 | 0.0000 | 374.7913 | 374.7913 | 0.0470 | 0.0000 | 375.9672 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Maximum** | **0.5731** | **2.6259** | **2.4693** | **5.9300e-003** | **0.1088** | **0.1032** | **0.2119** | **0.0451** | **0.0985** | **0.1436** | **0.0000** | **524.9354** | **524.9354** | **0.0819** | **0.0000** | **526.9838** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **50.41** | **0.00** | **31.38** | **52.95** | **0.00** | **21.21** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---|---|---|---|---|
| **1** | **11-1-2021** | **1-31-2022** | 0.8470 | 0.8470 |
| **2** | **2-1-2022** | **4-30-2022** | 0.8063 | 0.8063 |
| **3** | **5-1-2022** | **7-31-2022** | 0.6700 | 0.6700 |
| **4** | **8-1-2022** | **10-31-2022** | 0.6704 | 0.6704 |
| **5** | **11-1-2022** | **1-31-2023** | 0.6504 | 0.6504 |
| **6** | **2-1-2023** | **4-30-2023** | 0.5894 | 0.5894 |
| **7** | **5-1-2023** | **7-31-2023** | 0.8301 | 0.8301 |
| **8** | **8-1-2023** | **9-30-2023** | 0.6147 | 0.6147 |
| | | **Highest** | 0.8470 | 0.8470 |

## 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.3267 | 4.0000e-005 | 4.2400e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 8.2400e-003 | 8.2400e-003 | 2.0000e-005 | 0.0000 | 8.7800e-003 |
| Energy | 0.0102 | 0.0925 | 0.0777 | 5.6000e-004 | | 7.0300e-003 | 7.0300e-003 | | 7.0300e-003 | 7.0300e-003 | 0.0000 | 660.0788 | 660.0788 | 0.0151 | 4.5800e-003 | 661.8221 |
| Mobile | 0.2520 | 1.1139 | 3.0744 | 0.0112 | 0.9352 | 8.6000e-003 | 0.9438 | 0.2507 | 7.9900e-003 | 0.2587 | 0.0000 | 1,034.5478 | 1,034.5478 | 0.0524 | 0.0000 | 1,035.8572 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 17.5587 | 0.0000 | 17.5587 | 1.0377 | 0.0000 | 43.5010 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 1.2715 | 31.8221 | 33.0936 | 0.1314 | 3.2400e-003 | 37.3427 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **0.5889** | **1.2064** | **3.1564** | **0.0118** | **0.9352** | **0.0157** | **0.9509** | **0.2507** | **0.0150** | **0.2657** | **18.8303** | **1,726.4569** | **1,745.2872** | **1.2366** | **7.8200e-003** | **1,778.5317** |

**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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.3267 | 4.0000e-005 | 4.2400e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 8.2400e-003 | 8.2400e-003 | 2.0000e-005 | 0.0000 | 8.7800e-003 |
| Energy | 0.0102 | 0.0925 | 0.0777 | 5.6000e-004 | | 7.0300e-003 | 7.0300e-003 | | 7.0300e-003 | 7.0300e-003 | 0.0000 | 660.0788 | 660.0788 | 0.0151 | 4.5800e-003 | 661.8221 |
| Mobile | 0.2520 | 1.1139 | 3.0744 | 0.0112 | 0.9352 | 8.6000e-003 | 0.9438 | 0.2507 | 7.9900e-003 | 0.2587 | 0.0000 | 1,034.5478 | 1,034.5478 | 0.0524 | 0.0000 | 1,035.8572 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 17.5587 | 0.0000 | 17.5587 | 1.0377 | 0.0000 | 43.5010 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 1.2715 | 31.8221 | 33.0936 | 0.1314 | 3.2400e-003 | 37.3427 |
| **Total** | **0.5889** | **1.2064** | **3.1564** | **0.0118** | **0.9352** | **0.0157** | **0.9509** | **0.2507** | **0.0150** | **0.2657** | **18.8303** | **1,726.4569** | **1,745.2872** | **1.2366** | **7.8200e-003** | **1,778.5317** |

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

## 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 | 11/1/2021 | 12/31/2021 | 5 | 45 | |
| 2 | Grading | Grading | 1/3/2022 | 3/31/2022 | 5 | 64 | |
| 3 | Building Construction | Building Construction | 4/1/2022 | 9/29/2023 | 5 | 391 | |
| 4 | Architectural Coating | Architectural Coating | 6/1/2023 | 9/29/2023 | 5 | 87 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 2**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 118,038; Non-Residential Outdoor: 39,346; Striped Parking Area: 4,176**

## OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Aerial Lifts | 0 | | 63 | 0.31 |
| Demolition | Concrete/Industrial Saws | 1 | 4.00 | 81 | 0.73 |
| Demolition | Crushing/Proc. Equipment | 1 | 6.00 | 85 | 0.78 |
| Demolition | Dumpers/Tenders | 1 | 5.00 | 16 | 0.38 |
| Demolition | Rubber Tired Dozers | 1 | 6.00 | 247 | 0.40 |
| Demolition | Rubber Tired Loaders | 1 | 6.00 | 203 | 0.36 |
| Demolition | Signal Boards | 1 | 6.00 | 6 | 0.82 |
| Demolition | Skid Steer Loaders | 1 | 5.00 | 65 | 0.37 |
| Demolition | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Grading | Bore/Drill Rigs | 1 | 6.00 | 221 | 0.50 |
| Grading | Dumpers/Tenders | 1 | 5.00 | 16 | 0.38 |
| Grading | Excavators | 1 | 6.00 | 158 | 0.38 |
| Grading | Graders | 1 | 6.00 | 187 | 0.41 |
| Grading | Rollers | 1 | 6.00 | 80 | 0.38 |
| Grading | Rubber Tired Dozers | 1 | 6.00 | 247 | 0.40 |
| Grading | Rubber Tired Loaders | 1 | 6.00 | 203 | 0.36 |
| Grading | Signal Boards | 1 | 8.00 | 6 | 0.82 |
| Grading | Skid Steer Loaders | 1 | 4.00 | 65 | 0.37 |
| Grading | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Building Construction | Cement and Mortar Mixers | 1 | 6.00 | 9 | 0.56 |
| Building Construction | Concrete/Industrial Saws | 2 | 4.00 | 81 | 0.73 |
| Building Construction | Cranes | 1 | 6.00 | 231 | 0.29 |
| Building Construction | Forklifts | 1 | 5.00 | 89 | 0.20 |

| | | | | | |
|---|---|---|---|---|---|
| Building Construction | Generator Sets | 2 | 6.00 | 84 | 0.74 |
| Building Construction | Pavers | 1 | 4.00 | 130 | 0.42 |
| Building Construction | Rough Terrain Forklifts | 1 | 5.00 | 100 | 0.40 |
| Building Construction | Signal Boards | 1 | 8.00 | 6 | 0.82 |
| Building Construction | Tractors/Loaders/Backhoes | 1 | 6.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 6.00 | 46 | 0.45 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

**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 | 10 | 18.00 | 0.00 | 143.00 | 11.60 | 6.90 | 25.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 10 | 23.00 | 0.00 | 1,300.00 | 11.60 | 6.90 | 25.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 12 | 62.00 | 24.00 | 0.00 | 11.60 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 12.00 | 0.00 | 0.00 | 11.60 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Clean Paved Roads

## 3.2 Demolition - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0155 | 0.0000 | 0.0155 | 2.3500e-003 | 0.0000 | 2.3500e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road | 0.0521 | 0.4982 | 0.3904 | 7.0000e-004 | | 0.0252 | 0.0252 | | 0.0237 | 0.0237 | 0.0000 | 60.6647 | 60.6647 | 0.0151 | 0.0000 | 61.0419 |
| **Total** | **0.0521** | **0.4982** | **0.3904** | **7.0000e-004** | **0.0155** | **0.0252** | **0.0407** | **2.3500e-003** | **0.0237** | **0.0260** | **0.0000** | **60.6647** | **60.6647** | **0.0151** | **0.0000** | **61.0419** |

## 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 7.2000e-004 | 0.0231 | 5.5300e-003 | 7.0000e-005 | 1.5400e-003 | 7.0000e-005 | 1.6100e-003 | 4.2000e-004 | 7.0000e-005 | 4.9000e-004 | 0.0000 | 6.6376 | 6.6376 | 4.5000e-004 | 0.0000 | 6.6488 |
| 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 | 0.0000 | 0.0000 |
| Worker | 1.4500e-003 | 1.0900e-003 | 0.0124 | 4.0000e-005 | 3.5000e-003 | 3.0000e-005 | 3.5300e-003 | 9.3000e-004 | 3.0000e-005 | 9.6000e-004 | 0.0000 | 3.1777 | 3.1777 | 9.0000e-005 | 0.0000 | 3.1800 |
| **Total** | **2.1700e-003** | **0.0242** | **0.0180** | **1.1000e-004** | **5.0400e-003** | **1.0000e-004** | **5.1400e-003** | **1.3500e-003** | **1.0000e-004** | **1.4500e-003** | **0.0000** | **9.8153** | **9.8153** | **5.4000e-004** | **0.0000** | **9.8288** |

## 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 5.7400e-003 | 0.0000 | 5.7400e-003 | 8.7000e-004 | 0.0000 | 8.7000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0521 | 0.4982 | 0.3904 | 7.0000e-004 | | 0.0252 | 0.0252 | | 0.0237 | 0.0237 | 0.0000 | 60.6646 | 60.6646 | 0.0151 | 0.0000 | 61.0419 |
| **Total** | **0.0521** | **0.4982** | **0.3904** | **7.0000e-004** | **5.7400e-003** | **0.0252** | **0.0310** | **8.7000e-004** | **0.0237** | **0.0246** | **0.0000** | **60.6646** | **60.6646** | **0.0151** | **0.0000** | **61.0419** |

**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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 7.2000e-004 | 0.0231 | 5.5300e-003 | 7.0000e-005 | 1.0000e-003 | 7.0000e-005 | 1.0800e-003 | 2.9000e-004 | 7.0000e-005 | 3.6000e-004 | 0.0000 | 6.6376 | 6.6376 | 4.5000e-004 | 0.0000 | 6.6488 |
| 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 | 0.0000 | 0.0000 |
| Worker | 1.4500e-003 | 1.0900e-003 | 0.0124 | 4.0000e-005 | 2.1100e-003 | 3.0000e-005 | 2.1400e-003 | 5.9000e-004 | 3.0000e-005 | 6.1000e-004 | 0.0000 | 3.1777 | 3.1777 | 9.0000e-005 | 0.0000 | 3.1800 |
| **Total** | **2.1700e-003** | **0.0242** | **0.0180** | **1.1000e-004** | **3.1100e-003** | **1.0000e-004** | **3.2200e-003** | **8.8000e-004** | **1.0000e-004** | **9.7000e-004** | **0.0000** | **9.8153** | **9.8153** | **5.4000e-004** | **0.0000** | **9.8288** |

## 3.3 Grading - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.1463 | 0.0000 | 0.1463 | 0.0797 | 0.0000 | 0.0797 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0603 | 0.6309 | 0.4353 | 1.0800e-003 | | 0.0265 | 0.0265 | | 0.0245 | 0.0245 | 0.0000 | 94.5628 | 94.5628 | 0.0300 | 0.0000 | 95.3135 |
| **Total** | **0.0603** | **0.6309** | **0.4353** | **1.0800e-003** | **0.1463** | **0.0265** | **0.1729** | **0.0797** | **0.0245** | **0.1041** | **0.0000** | **94.5628** | **94.5628** | **0.0300** | **0.0000** | **95.3135** |

**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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 6.2600e-003 | 0.1943 | 0.0498 | 6.0000e-004 | 0.0140 | 5.8000e-004 | 0.0145 | 3.8300e-003 | 5.5000e-004 | 4.3900e-003 | 0.0000 | 59.6189 | 59.6189 | 4.0000e-003 | 0.0000 | 59.7190 |
| 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 | 0.0000 | 0.0000 |
| Worker | 2.4700e-003 | 1.7900e-003 | 0.0208 | 6.0000e-005 | 6.3700e-003 | 5.0000e-005 | 6.4200e-003 | 1.6900e-003 | 5.0000e-005 | 1.7400e-003 | 0.0000 | 5.5718 | 5.5718 | 1.6000e-004 | 0.0000 | 5.5757 |
| **Total** | **8.7300e-003** | **0.1961** | **0.0706** | **6.6000e-004** | **0.0203** | **6.3000e-004** | **0.0210** | **5.5200e-003** | **6.0000e-004** | **6.1300e-003** | **0.0000** | **65.1907** | **65.1907** | **4.1600e-003** | **0.0000** | **65.2947** |

## 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0542 | 0.0000 | 0.0542 | 0.0295 | 0.0000 | 0.0295 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0603 | 0.6309 | 0.4353 | 1.0800e-003 | | 0.0265 | 0.0265 | | 0.0245 | 0.0245 | 0.0000 | 94.5627 | 94.5627 | 0.0300 | 0.0000 | 95.3134 |
| **Total** | **0.0603** | **0.6309** | **0.4353** | **1.0800e-003** | **0.0542** | **0.0265** | **0.0807** | **0.0295** | **0.0245** | **0.0540** | **0.0000** | **94.5627** | **94.5627** | **0.0300** | **0.0000** | **95.3134** |

## 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 6.2600e-003 | 0.1943 | 0.0498 | 6.0000e-004 | 9.1300e-003 | 5.8000e-004 | 9.7100e-003 | 2.6500e-003 | 5.5000e-004 | 3.2000e-003 | 0.0000 | 59.6189 | 59.6189 | 4.0000e-003 | 0.0000 | 59.7190 |
| 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 | 0.0000 | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 2.4700e-003 | 1.7900e-003 | 0.0208 | 6.0000e-005 | 3.8300e-003 | 5.0000e-005 | 3.8800e-003 | 1.0700e-003 | 5.0000e-005 | 1.1200e-003 | 0.0000 | 5.5718 | 5.5718 | 1.6000e-004 | 0.0000 | 5.5757 |
| **Total** | **8.7300e-003** | **0.1961** | **0.0706** | **6.6000e-004** | **0.0130** | **6.3000e-004** | **0.0136** | **3.7200e-003** | **6.0000e-004** | **4.3200e-003** | **0.0000** | **65.1907** | **65.1907** | **4.1600e-003** | **0.0000** | **65.2947** |

## 3.4 Building Construction - 2022

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.1773 | 1.5636 | 1.7320 | 3.0800e-003 | | 0.0752 | 0.0752 | | 0.0726 | 0.0726 | 0.0000 | 261.7179 | 261.7179 | 0.0430 | 0.0000 | 262.7937 |
| **Total** | **0.1773** | **1.5636** | **1.7320** | **3.0800e-003** | | **0.0752** | **0.0752** | | **0.0726** | **0.0726** | **0.0000** | **261.7179** | **261.7179** | **0.0430** | **0.0000** | **262.7937** |

### 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 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 | 0.0000 | 0.0000 |
| Vendor | 6.8600e-003 | 0.2205 | 0.0595 | 5.9000e-004 | 0.0148 | 4.1000e-004 | 0.0152 | 4.2800e-003 | 4.0000e-004 | 4.6700e-003 | 0.0000 | 57.4668 | 57.4668 | 3.4300e-003 | 0.0000 | 57.5526 |
| Worker | 0.0204 | 0.0148 | 0.1719 | 5.1000e-004 | 0.0526 | 4.3000e-004 | 0.0530 | 0.0140 | 3.9000e-004 | 0.0144 | 0.0000 | 45.9977 | 45.9977 | 1.2800e-003 | 0.0000 | 46.0297 |
| **Total** | **0.0273** | **0.2354** | **0.2314** | **1.1000e-003** | **0.0674** | **8.4000e-004** | **0.0682** | **0.0182** | **7.9000e-004** | **0.0190** | **0.0000** | **103.4644** | **103.4644** | **4.7100e-003** | **0.0000** | **103.5823** |

### 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.1773 | 1.5636 | 1.7320 | 3.0800e-003 | | 0.0752 | 0.0752 | | 0.0726 | 0.0726 | 0.0000 | 261.7176 | 261.7176 | 0.0430 | 0.0000 | 262.7934 |
| **Total** | **0.1773** | **1.5636** | **1.7320** | **3.0800e-003** | | **0.0752** | **0.0752** | | **0.0726** | **0.0726** | **0.0000** | **261.7176** | **261.7176** | **0.0430** | **0.0000** | **262.7934** |

**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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 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 | 0.0000 | 0.0000 |
| Vendor | 6.8600e-003 | 0.2205 | 0.0595 | 5.9000e-004 | 9.9900e-003 | 4.1000e-004 | 0.0104 | 3.0900e-003 | 4.0000e-004 | 3.4900e-003 | 0.0000 | 57.4668 | 57.4668 | 3.4300e-003 | 0.0000 | 57.5526 |
| Worker | 0.0204 | 0.0148 | 0.1719 | 5.1000e-004 | 0.0316 | 4.3000e-004 | 0.0320 | 8.8200e-003 | 3.9000e-004 | 9.2100e-003 | 0.0000 | 45.9977 | 45.9977 | 1.2800e-003 | 0.0000 | 46.0297 |
| **Total** | **0.0273** | **0.2354** | **0.2314** | **1.1000e-003** | **0.0416** | **8.4000e-004** | **0.0424** | **0.0119** | **7.9000e-004** | **0.0127** | **0.0000** | **103.4644** | **103.4644** | **4.7100e-003** | **0.0000** | **103.5823** |

## 3.4 Building Construction - 2023

**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 | tons/yr | | | | | | | | | | MT/yr | | | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road | 0.1646 | 1.4418 | 1.7148 | 3.0600e-003 | | 0.0656 | 0.0656 | | 0.0633 | 0.0633 | 0.0000 | 260.4053 | 260.4053 | 0.0421 | 0.0000 | 261.4579 |
| **Total** | **0.1646** | **1.4418** | **1.7148** | **3.0600e-003** | | **0.0656** | **0.0656** | | **0.0633** | **0.0633** | **0.0000** | **260.4053** | **260.4053** | **0.0421** | **0.0000** | **261.4579** |

## 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 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 | 0.0000 | 0.0000 |
| Vendor | 5.0600e-003 | 0.1658 | 0.0532 | 5.7000e-004 | 0.0147 | 1.9000e-004 | 0.0149 | 4.2500e-003 | 1.8000e-004 | 4.4400e-003 | 0.0000 | 55.3837 | 55.3837 | 3.0200e-003 | 0.0000 | 55.4591 |
| Worker | 0.0191 | 0.0133 | 0.1572 | 4.9000e-004 | 0.0523 | 4.1000e-004 | 0.0527 | 0.0139 | 3.8000e-004 | 0.0143 | 0.0000 | 44.0888 | 44.0888 | 1.1500e-003 | 0.0000 | 44.1175 |
| **Total** | **0.0241** | **0.1791** | **0.2103** | **1.0600e-003** | **0.0670** | **6.0000e-004** | **0.0676** | **0.0181** | **5.6000e-004** | **0.0187** | **0.0000** | **99.4725** | **99.4725** | **4.1700e-003** | **0.0000** | **99.5767** |

## 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.1646 | 1.4418 | 1.7148 | 3.0600e-003 | | 0.0656 | 0.0656 | | 0.0633 | 0.0633 | 0.0000 | 260.4049 | 260.4049 | 0.0421 | 0.0000 | 261.4576 |
| **Total** | **0.1646** | **1.4418** | **1.7148** | **3.0600e-003** | | **0.0656** | **0.0656** | | **0.0633** | **0.0633** | **0.0000** | **260.4049** | **260.4049** | **0.0421** | **0.0000** | **261.4576** |

**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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 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 | 0.0000 | 0.0000 |
| Vendor | 5.0600e-003 | 0.1658 | 0.0532 | 5.7000e-004 | 9.9400e-003 | 1.9000e-004 | 0.0101 | 3.0800e-003 | 1.8000e-004 | 3.2600e-003 | 0.0000 | 55.3837 | 55.3837 | 3.0200e-003 | 0.0000 | 55.4591 |
| Worker | 0.0191 | 0.0133 | 0.1572 | 4.9000e-004 | 0.0314 | 4.1000e-004 | 0.0319 | 8.7700e-003 | 3.8000e-004 | 9.1500e-003 | 0.0000 | 44.0888 | 44.0888 | 1.1500e-003 | 0.0000 | 44.1175 |
| **Total** | **0.0241** | **0.1791** | **0.2103** | **1.0600e-003** | **0.0414** | **6.0000e-004** | **0.0420** | **0.0119** | **5.6000e-004** | **0.0124** | **0.0000** | **99.4725** | **99.4725** | **4.1700e-003** | **0.0000** | **99.5767** |

## 3.5 Architectural Coating - 2023

**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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.3744 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 8.3400e-003 | 0.0567 | 0.0788 | 1.3000e-004 | | 3.0800e-003 | 3.0800e-003 | | 3.0800e-003 | 3.0800e-003 | 0.0000 | 11.1067 | 11.1067 | 6.6000e-004 | 0.0000 | 11.1233 |
| **Total** | **0.3828** | **0.0567** | **0.0788** | **1.3000e-004** | | **3.0800e-003** | **3.0800e-003** | | **3.0800e-003** | **3.0800e-003** | **0.0000** | **11.1067** | **11.1067** | **6.6000e-004** | **0.0000** | **11.1233** |

**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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 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 | 0.0000 | 0.0000 |
| Worker | 1.6500e-003 | 1.1500e-003 | 0.0136 | 4.0000e-005 | 4.5100e-003 | 4.0000e-005 | 4.5500e-003 | 1.2000e-003 | 3.0000e-005 | 1.2300e-003 | 0.0000 | 3.8072 | 3.8072 | 1.0000e-004 | 0.0000 | 3.8097 |
| **Total** | **1.6500e-003** | **1.1500e-003** | **0.0136** | **4.0000e-005** | **4.5100e-003** | **4.0000e-005** | **4.5500e-003** | **1.2000e-003** | **3.0000e-005** | **1.2300e-003** | **0.0000** | **3.8072** | **3.8072** | **1.0000e-004** | **0.0000** | **3.8097** |

## 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.3744 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 8.3400e-003 | 0.0567 | 0.0788 | 1.3000e-004 | | 3.0800e-003 | 3.0800e-003 | | 3.0800e-003 | 3.0800e-003 | 0.0000 | 11.1066 | 11.1066 | 6.6000e-004 | 0.0000 | 11.1233 |
| **Total** | **0.3828** | **0.0567** | **0.0788** | **1.3000e-004** | | **3.0800e-003** | **3.0800e-003** | | **3.0800e-003** | **3.0800e-003** | **0.0000** | **11.1066** | **11.1066** | **6.6000e-004** | **0.0000** | **11.1233** |

## 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 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 | 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 | 0.0000 | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 1.6500e-003 | 1.1500e-003 | 0.0136 | 4.0000e-005 | 2.7200e-003 | 4.0000e-005 | 2.7500e-003 | 7.6000e-004 | 3.0000e-005 | 7.9000e-004 | 0.0000 | 3.8072 | 3.8072 | 1.0000e-004 | 0.0000 | 3.8097 |
| **Total** | **1.6500e-003** | **1.1500e-003** | **0.0136** | **4.0000e-005** | **2.7200e-003** | **4.0000e-005** | **2.7500e-003** | **7.6000e-004** | **3.0000e-005** | **7.9000e-004** | **0.0000** | **3.8072** | **3.8072** | **1.0000e-004** | **0.0000** | **3.8097** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.2520 | 1.1139 | 3.0744 | 0.0112 | 0.9352 | 8.6000e-003 | 0.9438 | 0.2507 | 7.9900e-003 | 0.2587 | 0.0000 | 1,034.5478 | 1,034.5478 | 0.0524 | 0.0000 | 1,035.8572 |
| Unmitigated | 0.2520 | 1.1139 | 3.0744 | 0.0112 | 0.9352 | 8.6000e-003 | 0.9438 | 0.2507 | 7.9900e-003 | 0.2587 | 0.0000 | 1,034.5478 | 1,034.5478 | 0.0524 | 0.0000 | 1,035.8572 |

### 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | | |
| Hotel | 1,047.54 | 1,050.70 | 940.10 | 2,464,063 | 2,464,063 |
| Total | 1,047.54 | 1,050.70 | 940.10 | 2,464,063 | 2,464,063 |

### 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Enclosed Parking with Elevator | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Hotel | 16.60 | 8.40 | 6.90 | 19.40 | 61.60 | 19.00 | 58 | 38 | 4 |

### 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Enclosed Parking with Elevator | 0.545842 | 0.044768 | 0.205288 | 0.119317 | 0.015356 | 0.006227 | 0.020466 | 0.031333 | 0.002546 | 0.002133 | 0.005184 | 0.000692 | 0.000862 |
| Hotel | 0.545842 | 0.044768 | 0.205288 | 0.119317 | 0.015356 | 0.006227 | 0.020466 | 0.031333 | 0.002546 | 0.002133 | 0.005184 | 0.000692 | 0.000862 |

## 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 559.3795 | 559.3795 | 0.0132 | 2.7300e-003 | 560.5243 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 559.3795 | 559.3795 | 0.0132 | 2.7300e-003 | 560.5243 |
| NaturalGas Mitigated | 0.0102 | 0.0925 | 0.0777 | 5.6000e-004 | | 7.0300e-003 | 7.0300e-003 | | 7.0300e-003 | 7.0300e-003 | 0.0000 | 100.6993 | 100.6993 | 1.9300e-003 | 1.8500e-003 | 101.2977 |
| NaturalGas Unmitigated | 0.0102 | 0.0925 | 0.0777 | 5.6000e-004 | | 7.0300e-003 | 7.0300e-003 | | 7.0300e-003 | 7.0300e-003 | 0.0000 | 100.6993 | 100.6993 | 1.9300e-003 | 1.8500e-003 | 101.2977 |

### 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Enclosed Parking with Elevator | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hotel | 1.88703e+006 | 0.0102 | 0.0925 | 0.0777 | 5.6000e-004 | | 7.0300e-003 | 7.0300e-003 | | 7.0300e-003 | 7.0300e-003 | 0.0000 | 100.6993 | 100.6993 | 1.9300e-003 | 1.8500e-003 | 101.2977 |
| **Total** | | **0.0102** | **0.0925** | **0.0777** | **5.6000e-004** | | **7.0300e-003** | **7.0300e-003** | | **7.0300e-003** | **7.0300e-003** | **0.0000** | **100.6993** | **100.6993** | **1.9300e-003** | **1.8500e-003** | **101.2977** |

**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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Enclosed Parking with Elevator | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hotel | 1.88703e+006 | 0.0102 | 0.0925 | 0.0777 | 5.6000e-004 | | 7.0300e-003 | 7.0300e-003 | | 7.0300e-003 | 7.0300e-003 | 0.0000 | 100.6993 | 100.6993 | 1.9300e-003 | 1.8500e-003 | 101.2977 |
| **Total** | | **0.0102** | **0.0925** | **0.0777** | **5.6000e-004** | | **7.0300e-003** | **7.0300e-003** | | **7.0300e-003** | **7.0300e-003** | **0.0000** | **100.6993** | **100.6993** | **1.9300e-003** | **1.8500e-003** | **101.2977** |

## 5.3 Energy by Land Use - Electricity

**Unmitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Enclosed Parking with Elevator | 407856 | 227.1601 | 5.3700e-003 | 1.1100e-003 | 227.6250 |
| Hotel | 596485 | 332.2194 | 7.8500e-003 | 1.6200e-003 | 332.8993 |
| **Total** | | **559.3795** | **0.0132** | **2.7300e-003** | **560.5243** |

**Mitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Enclosed Parking with Elevator | 407856 | 227.1601 | 5.3700e-003 | 1.1100e-003 | 227.6250 |
| Hotel | 596485 | 332.2194 | 7.8500e-003 | 1.6200e-003 | 332.8993 |
| **Total** | | **559.3795** | **0.0132** | **2.7300e-003** | **560.5243** |

## 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.3267 | 4.0000e-005 | 4.2400e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 8.2400e-003 | 8.2400e-003 | 2.0000e-005 | 0.0000 | 8.7800e-003 |
| Unmitigated | 0.3267 | 4.0000e-005 | 4.2400e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 8.2400e-003 | 8.2400e-003 | 2.0000e-005 | 0.0000 | 8.7800e-003 |

### 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0374 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.2889 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 3.9000e-004 | 4.0000e-005 | 4.2400e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 8.2400e-003 | 8.2400e-003 | 2.0000e-005 | 0.0000 | 8.7800e-003 |
| **Total** | **0.3267** | **4.0000e-005** | **4.2400e-003** | **0.0000** | | **2.0000e-005** | **2.0000e-005** | | **2.0000e-005** | **2.0000e-005** | **0.0000** | **8.2400e-003** | **8.2400e-003** | **2.0000e-005** | **0.0000** | **8.7800e-003** |

**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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0374 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.2889 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 3.9000e-004 | 4.0000e-005 | 4.2400e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 8.2400e-003 | 8.2400e-003 | 2.0000e-005 | 0.0000 | 8.7800e-003 |
| **Total** | **0.3267** | **4.0000e-005** | **4.2400e-003** | **0.0000** | | **2.0000e-005** | **2.0000e-005** | | **2.0000e-005** | **2.0000e-005** | **0.0000** | **8.2400e-003** | **8.2400e-003** | **2.0000e-005** | **0.0000** | **8.7800e-003** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| Category | MT/yr | | | |
| Mitigated | 33.0936 | 0.1314 | 3.2400e-003 | 37.3427 |
| Unmitigated | 33.0936 | 0.1314 | 3.2400e-003 | 37.3427 |

## 7.2 Water by Land Use

### Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Enclosed Parking with Elevator | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hotel | 4.00795 / 0.445328 | 33.0936 | 0.1314 | 3.2400e-003 | 37.3427 |
| **Total** | | **33.0936** | **0.1314** | **3.2400e-003** | **37.3427** |

### Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Enclosed Parking with Elevator | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hotel | 4.00795 / 0.445328 | 33.0936 | 0.1314 | 3.2400e-003 | 37.3427 |

| | | | | | |
|---|---|---|---|---|---|
| **Total** | | **33.0936** | **0.1314** | **3.2400e-003** | **37.3427** |

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

**Category/Year**

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| | MT/yr | | | |
| Mitigated | 17.5587 | 1.0377 | 0.0000 | 43.5010 |
| Unmitigated | 17.5587 | 1.0377 | 0.0000 | 43.5010 |

### 8.2 Waste by Land Use

**Unmitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Enclosed Parking with Elevator | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hotel | 86.5 | 17.5587 | 1.0377 | 0.0000 | 43.5010 |
| **Total** | | **17.5587** | **1.0377** | **0.0000** | **43.5010** |

**Mitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Enclosed Parking with Elevator | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hotel | 86.5 | 17.5587 | 1.0377 | 0.0000 | 43.5010 |
| **Total** | | **17.5587** | **1.0377** | **0.0000** | **43.5010** |

## 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

15481 Ventura Boulevard Future - Los Angeles-South Coast County, Winter

# 15481 Ventura Boulevard Future

**Los Angeles-South Coast County, Winter**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| Enclosed Parking with Elevator | 174.00 | Space | 0.00 | 69,600.00 | 0 |
| Hotel | 158.00 | Room | 1.00 | 78,692.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.2 | **Precipitation Freq (Days)** | 33 |
| **Climate Zone** | 12 | | | **Operational Year** | 2023 |
| **Utility Company** | Los Angeles Department of Water & Power | | | | |
| **CO2 Intensity (lb/MWhr)** | 1227.89 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Developer information

Construction Phase - Developer information

Off-road Equipment - Developer information

Off-road Equipment - Developer information

Off-road Equipment - Developer information

Trips and VMT - Assumes 25-mile one-way trip to haul soil and demolition material, employee trip length based on Gibson Transportation Consulting,

Demolition - Developer information

Grading - Developer information

Vehicle Trips - Gibson Transportation Consulting, Transportation Assessment for the Sherman Oaks AC Hotel Project; January 2020

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiencies

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblConstDustMitigation | CleanPavedRoadPercentReduction | 0 | 46 |
| tblConstructionPhase | NumDays | 5.00 | 87.00 |
| tblConstructionPhase | NumDays | 100.00 | 391.00 |
| tblConstructionPhase | NumDays | 10.00 | 45.00 |
| tblConstructionPhase | NumDays | 2.00 | 64.00 |
| tblGrading | AcresOfGrading | 24.00 | 2.00 |
| tblGrading | MaterialExported | 0.00 | 13,000.00 |
| tblLandUse | LandUseSquareFeet | 229,416.00 | 78,692.00 |
| tblLandUse | LotAcreage | 1.57 | 0.00 |
| tblLandUse | LotAcreage | 5.27 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 1.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 4.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 5.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 25.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 25.00 |
| tblTripsAndVMT | HaulingTripNumber | 1,625.00 | 1,300.00 |
| tblTripsAndVMT | WorkerTripLength | 14.70 | 11.60 |
| tblTripsAndVMT | WorkerTripLength | 14.70 | 11.60 |
| tblTripsAndVMT | WorkerTripLength | 14.70 | 11.60 |
| tblTripsAndVMT | WorkerTripLength | 14.70 | 11.60 |
| tblTripsAndVMT | WorkerTripNumber | 25.00 | 18.00 |
| tblTripsAndVMT | WorkerTripNumber | 25.00 | 23.00 |

| | | | |
|---|---|---|---|
| tblVehicleTrips | ST_TR | 8.19 | 6.65 |
| tblVehicleTrips | WD_TR | 8.17 | 6.63 |

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

**Unmitigated Construction**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2021 | 2.4203 | 23.1959 | 18.1427 | 0.0356 | 0.9167 | 1.1255 | 2.0422 | 0.1654 | 1.0567 | 1.2221 | 0.0000 | 3,447.6869 | 3,447.6869 | 0.7660 | 0.0000 | 3,466.8379 |
| 2022 | 2.1677 | 25.7271 | 20.0215 | 0.0545 | 5.2195 | 0.8489 | 6.0684 | 2.6652 | 0.7837 | 3.4489 | 0.0000 | 5,482.7141 | 5,482.7141 | 1.1798 | 0.0000 | 5,512.2100 |
| 2023 | 10.7992 | 17.9235 | 21.8410 | 0.0460 | 0.8065 | 0.7505 | 1.5570 | 0.2174 | 0.7271 | 0.9445 | 0.0000 | 4,426.9468 | 4,426.9468 | 0.5433 | 0.0000 | 4,440.5299 |
| **Maximum** | **10.7992** | **25.7271** | **21.8410** | **0.0545** | **5.2195** | **1.1255** | **6.0684** | **2.6652** | **1.0567** | **3.4489** | **0.0000** | **5,482.7141** | **5,482.7141** | **1.1798** | **0.0000** | **5,512.2100** |

**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 | | | | | |
| 2021 | 2.4203 | 23.1959 | 18.1427 | 0.0356 | 0.3957 | 1.1255 | 1.5211 | 0.0783 | 1.0567 | 1.1349 | 0.0000 | 3,447.6869 | 3,447.6869 | 0.7660 | 0.0000 | 3,466.8379 |
| 2022 | 2.1677 | 25.7271 | 20.0215 | 0.0545 | 2.1054 | 0.8489 | 2.9544 | 1.0401 | 0.7837 | 1.8238 | 0.0000 | 5,482.7141 | 5,482.7141 | 1.1798 | 0.0000 | 5,512.2100 |
| 2023 | 10.7992 | 17.9235 | 21.8410 | 0.0460 | 0.4951 | 0.7505 | 1.2456 | 0.1410 | 0.7271 | 0.8681 | 0.0000 | 4,426.9468 | 4,426.9468 | 0.5433 | 0.0000 | 4,440.5299 |
| **Maximum** | **10.7992** | **25.7271** | **21.8410** | **0.0545** | **2.1054** | **1.1255** | **2.9544** | **1.0401** | **1.0567** | **1.8238** | **0.0000** | **5,482.7141** | **5,482.7141** | **1.1798** | **0.0000** | **5,512.2100** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **56.84** | **0.00** | **40.82** | **58.68** | **0.00** | **31.85** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |

## 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 | 1.7911 | 3.1000e-004 | 0.0339 | 0.0000 | | 1.2000e-004 | 1.2000e-004 | | 1.2000e-004 | 1.2000e-004 | | 0.0727 | 0.0727 | 1.9000e-004 | | 0.0774 |
| Energy | 0.0558 | 0.5069 | 0.4258 | 3.0400e-003 | | 0.0385 | 0.0385 | | 0.0385 | 0.0385 | | 608.2302 | 608.2302 | 0.0117 | 0.0112 | 611.8446 |
| Mobile | 1.4485 | 6.1260 | 16.9868 | 0.0616 | 5.3313 | 0.0483 | 5.3795 | 1.4267 | 0.0449 | 1.4716 | | 6,281.8062 | 6,281.8062 | 0.3247 | | 6,289.9241 |
| **Total** | **3.2953** | **6.6331** | **17.4465** | **0.0647** | **5.3313** | **0.0869** | **5.4182** | **1.4267** | **0.0835** | **1.5102** | | **6,890.1091** | **6,890.1091** | **0.3366** | **0.0112** | **6,901.8461** |

### 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 | 1.7911 | 3.1000e-004 | 0.0339 | 0.0000 | | 1.2000e-004 | 1.2000e-004 | | 1.2000e-004 | 1.2000e-004 | | 0.0727 | 0.0727 | 1.9000e-004 | | 0.0774 |
| Energy | 0.0558 | 0.5069 | 0.4258 | 3.0400e-003 | | 0.0385 | 0.0385 | | 0.0385 | 0.0385 | | 608.2302 | 608.2302 | 0.0117 | 0.0112 | 611.8446 |
| Mobile | 1.4485 | 6.1260 | 16.9868 | 0.0616 | 5.3313 | 0.0483 | 5.3795 | 1.4267 | 0.0449 | 1.4716 | | 6,281.8062 | 6,281.8062 | 0.3247 | | 6,289.9241 |
| **Total** | **3.2953** | **6.6331** | **17.4465** | **0.0647** | **5.3313** | **0.0869** | **5.4182** | **1.4267** | **0.0835** | **1.5102** | | **6,890.1091** | **6,890.1091** | **0.3366** | **0.0112** | **6,901.8461** |

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

## 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 | 11/1/2021 | 12/31/2021 | 5 | 45 | |
| 2 | Grading | Grading | 1/3/2022 | 3/31/2022 | 5 | 64 | |
| 3 | Building Construction | Building Construction | 4/1/2022 | 9/29/2023 | 5 | 391 | |
| 4 | Architectural Coating | Architectural Coating | 6/1/2023 | 9/29/2023 | 5 | 87 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 2**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 118,038; Non-Residential Outdoor: 39,346; Striped Parking Area: 4,176**

### OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Aerial Lifts | 0 | | 63 | 0.31 |
| Demolition | Concrete/Industrial Saws | 1 | 4.00 | 81 | 0.73 |
| Demolition | Crushing/Proc. Equipment | 1 | 6.00 | 85 | 0.78 |
| Demolition | Dumpers/Tenders | 1 | 5.00 | 16 | 0.38 |
| Demolition | Rubber Tired Dozers | 1 | 6.00 | 247 | 0.40 |
| Demolition | Rubber Tired Loaders | 1 | 6.00 | 203 | 0.36 |
| Demolition | Signal Boards | 1 | 6.00 | 6 | 0.82 |
| Demolition | Skid Steer Loaders | 1 | 5.00 | 65 | 0.37 |
| Demolition | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Grading | Bore/Drill Rigs | 1 | 6.00 | 221 | 0.50 |

| | | | | | |
|---|---|---|---|---|---|
| Grading | Dumpers/Tenders | 1 | 5.00 | 16 | 0.38 |
| Grading | Excavators | 1 | 6.00 | 158 | 0.38 |
| Grading | Graders | 1 | 6.00 | 187 | 0.41 |
| Grading | Rollers | 1 | 6.00 | 80 | 0.38 |
| Grading | Rubber Tired Dozers | 1 | 6.00 | 247 | 0.40 |
| Grading | Rubber Tired Loaders | 1 | 6.00 | 203 | 0.36 |
| Grading | Signal Boards | 1 | 8.00 | 6 | 0.82 |
| Grading | Skid Steer Loaders | 1 | 4.00 | 65 | 0.37 |
| Grading | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Building Construction | Cement and Mortar Mixers | 1 | 6.00 | 9 | 0.56 |
| Building Construction | Concrete/Industrial Saws | 2 | 4.00 | 81 | 0.73 |
| Building Construction | Cranes | 1 | 6.00 | 231 | 0.29 |
| Building Construction | Forklifts | 1 | 5.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 2 | 6.00 | 84 | 0.74 |
| Building Construction | Pavers | 1 | 4.00 | 130 | 0.42 |
| Building Construction | Rough Terrain Forklifts | 1 | 5.00 | 100 | 0.40 |
| Building Construction | Signal Boards | 1 | 8.00 | 6 | 0.82 |
| Building Construction | Tractors/Loaders/Backhoes | 1 | 6.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 6.00 | 46 | 0.45 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

**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 | 10 | 18.00 | 0.00 | 143.00 | 11.60 | 6.90 | 25.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 10 | 23.00 | 0.00 | 1,300.00 | 11.60 | 6.90 | 25.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 12 | 62.00 | 24.00 | 0.00 | 11.60 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 12.00 | 0.00 | 0.00 | 11.60 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Clean Paved Roads

### 3.2 Demolition - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.6884 | 0.0000 | 0.6884 | 0.1042 | 0.0000 | 0.1042 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.3165 | 22.1412 | 17.3509 | 0.0311 | | 1.1209 | 1.1209 | | 1.0523 | 1.0523 | | 2,972.0608 | 2,972.0608 | 0.7393 | | 2,990.5421 |
| **Total** | **2.3165** | **22.1412** | **17.3509** | **0.0311** | **0.6884** | **1.1209** | **1.8093** | **0.1042** | **1.0523** | **1.1566** | | **2,972.0608** | **2,972.0608** | **0.7393** | | **2,990.5421** |

**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 | 0.0325 | 1.0074 | 0.2525 | 2.9700e-003 | 0.0694 | 3.2800e-003 | 0.0727 | 0.0190 | 3.1400e-003 | 0.0222 | | 322.4859 | 322.4859 | 0.0222 | | 323.0414 |
| 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 | 0.0713 | 0.0474 | 0.5393 | 1.5400e-003 | 0.1588 | 1.3100e-003 | 0.1601 | 0.0421 | 1.2000e-003 | 0.0433 | | 153.1403 | 153.1403 | 4.5700e-003 | | 153.2544 |
| **Total** | **0.1038** | **1.0548** | **0.7918** | **4.5100e-003** | **0.2283** | **4.5900e-003** | **0.2328** | **0.0612** | **4.3400e-003** | **0.0655** | | **475.6262** | **475.6262** | **0.0268** | | **476.2959** |

**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 | | | | | 0.2551 | 0.0000 | 0.2551 | 0.0386 | 0.0000 | 0.0386 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.3165 | 22.1412 | 17.3509 | 0.0311 | | 1.1209 | 1.1209 | | 1.0523 | 1.0523 | 0.0000 | 2,972.0608 | 2,972.0608 | 0.7393 | | 2,990.5421 |
| **Total** | **2.3165** | **22.1412** | **17.3509** | **0.0311** | **0.2551** | **1.1209** | **1.3760** | **0.0386** | **1.0523** | **1.0910** | **0.0000** | **2,972.0608** | **2,972.0608** | **0.7393** | | **2,990.5421** |

**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 | 0.0325 | 1.0074 | 0.2525 | 2.9700e-003 | 0.0453 | 3.2800e-003 | 0.0486 | 0.0131 | 3.1400e-003 | 0.0162 | | 322.4859 | 322.4859 | 0.0222 | | 323.0414 |
| 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 | 0.0713 | 0.0474 | 0.5393 | 1.5400e-003 | 0.0953 | 1.3100e-003 | 0.0966 | 0.0265 | 1.2000e-003 | 0.0277 | | 153.1403 | 153.1403 | 4.5700e-003 | | 153.2544 |
| **Total** | **0.1038** | **1.0548** | **0.7918** | **4.5100e-003** | **0.1406** | **4.5900e-003** | **0.1452** | **0.0396** | **4.3400e-003** | **0.0440** | | **475.6262** | **475.6262** | **0.0268** | | **476.2959** |

## 3.3 Grading - 2022

**Unmitigated Construction On-Site**

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

| Category | lb/day | | | | | | | | | | lb/day | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fugitive Dust | | | | | 4.5727 | 0.0000 | 4.5727 | 2.4897 | 0.0000 | 2.4897 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8844 | 19.7144 | 13.6033 | 0.0339 | | 0.8291 | 0.8291 | | 0.7647 | 0.7647 | | 3,257.4249 | 3,257.4249 | 1.0345 | | 3,283.2864 |
| **Total** | **1.8844** | **19.7144** | **13.6033** | **0.0339** | **4.5727** | **0.8291** | **5.4017** | **2.4897** | **0.7647** | **3.2545** | | **3,257.4249** | **3,257.4249** | **1.0345** | | **3,283.2864** |

## 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 | 0.1978 | 5.9581 | 1.5960 | 0.0187 | 0.4439 | 0.0182 | 0.4621 | 0.1217 | 0.0175 | 0.1391 | | 2,036.4845 | 2,036.4845 | 0.1401 | | 2,039.9874 |
| 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 | 0.0855 | 0.0547 | 0.6343 | 1.8900e-003 | 0.2029 | 1.6200e-003 | 0.2045 | 0.0538 | 1.4900e-003 | 0.0553 | | 188.8047 | 188.8047 | 5.2600e-003 | | 188.9363 |
| **Total** | **0.2833** | **6.0128** | **2.2303** | **0.0206** | **0.6468** | **0.0199** | **0.6667** | **0.1755** | **0.0189** | **0.1944** | | **2,225.2892** | **2,225.2892** | **0.1454** | | **2,228.9237** |

## 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 | | | | | 1.6942 | 0.0000 | 1.6942 | 0.9224 | 0.0000 | 0.9224 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8844 | 19.7144 | 13.6033 | 0.0339 | | 0.8291 | 0.8291 | | 0.7647 | 0.7647 | 0.0000 | 3,257.4249 | 3,257.4249 | 1.0345 | | 3,283.2864 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **1.8844** | **19.7144** | **13.6033** | **0.0339** | **1.6942** | **0.8291** | **2.5232** | **0.9224** | **0.7647** | **1.6872** | **0.0000** | **3,257.4249** | **3,257.4249** | **1.0345** | | **3,283.2864** |

**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 | 0.1978 | 5.9581 | 1.5960 | 0.0187 | 0.2895 | 0.0182 | 0.3077 | 0.0838 | 0.0175 | 0.1012 | | 2,036.4845 | 2,036.4845 | 0.1401 | | 2,039.9874 |
| 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 | 0.0855 | 0.0547 | 0.6343 | 1.8900e-003 | 0.1218 | 1.6200e-003 | 0.1234 | 0.0339 | 1.4900e-003 | 0.0354 | | 188.8047 | 188.8047 | 5.2600e-003 | | 188.9363 |
| **Total** | **0.2833** | **6.0128** | **2.2303** | **0.0206** | **0.4113** | **0.0199** | **0.4311** | **0.1177** | **0.0189** | **0.1366** | | **2,225.2892** | **2,225.2892** | **0.1454** | | **2,228.9237** |

## 3.4 Building Construction - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.8093 | 15.9552 | 17.6738 | 0.0314 | | 0.7668 | 0.7668 | | 0.7410 | 0.7410 | | 2,943.8224 | 2,943.8224 | 0.4840 | | 2,955.9232 |
| **Total** | **1.8093** | **15.9552** | **17.6738** | **0.0314** | | **0.7668** | **0.7668** | | **0.7410** | **0.7410** | | **2,943.8224** | **2,943.8224** | **0.4840** | | **2,955.9232** |

**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 | 0.0719 | 2.2099 | 0.6379 | 5.9500e-003 | 0.1537 | 4.3000e-003 | 0.1580 | 0.0442 | 4.1100e-003 | 0.0484 | | 635.9287 | 635.9287 | 0.0400 | | 636.9278 |
| Worker | 0.2304 | 0.1473 | 1.7099 | 5.1100e-003 | 0.5470 | 4.3600e-003 | 0.5514 | 0.1451 | 4.0200e-003 | 0.1491 | | 508.9517 | 508.9517 | 0.0142 | | 509.3065 |
| **Total** | **0.3023** | **2.3572** | **2.3477** | **0.0111** | **0.7007** | **8.6600e-003** | **0.7093** | **0.1893** | **8.1300e-003** | **0.1975** | | **1,144.8804** | **1,144.8804** | **0.0542** | | **1,146.2344** |

**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 | 1.8093 | 15.9552 | 17.6738 | 0.0314 | | 0.7668 | 0.7668 | | 0.7410 | 0.7410 | 0.0000 | 2,943.8224 | 2,943.8224 | 0.4840 | | 2,955.9232 |
| **Total** | **1.8093** | **15.9552** | **17.6738** | **0.0314** | | **0.7668** | **0.7668** | | **0.7410** | **0.7410** | **0.0000** | **2,943.8224** | **2,943.8224** | **0.4840** | | **2,955.9232** |

**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 | 0.0719 | 2.2099 | 0.6379 | 5.9500e-003 | 0.1033 | 4.3000e-003 | 0.1076 | 0.0319 | 4.1100e-003 | 0.0360 | | 635.9287 | 635.9287 | 0.0400 | | 636.9278 |
| Worker | 0.2304 | 0.1473 | 1.7099 | 5.1100e-003 | 0.3283 | 4.3600e-003 | 0.3327 | 0.0914 | 4.0200e-003 | 0.0954 | | 508.9517 | 508.9517 | 0.0142 | | 509.3065 |
| **Total** | **0.3023** | **2.3572** | **2.3477** | **0.0111** | **0.4316** | **8.6600e-003** | **0.4403** | **0.1233** | **8.1300e-003** | **0.1314** | | **1,144.8804** | **1,144.8804** | **0.0542** | | **1,146.2344** |

## 3.4 Building Construction - 2023

### 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 | 1.6880 | 14.7878 | 17.5881 | 0.0314 | | 0.6725 | 0.6725 | | 0.6497 | 0.6497 | | 2,944.0785 | 2,944.0785 | 0.4761 | | 2,955.9799 |
| **Total** | **1.6880** | **14.7878** | **17.5881** | **0.0314** | | **0.6725** | **0.6725** | | **0.6497** | **0.6497** | | **2,944.0785** | **2,944.0785** | **0.4761** | | **2,955.9799** |

### 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 | 0.0534 | 1.6737 | 0.5668 | 5.7500e-003 | 0.1537 | 2.0400e-003 | 0.1557 | 0.0442 | 1.9500e-003 | 0.0462 | | 616.1791 | 616.1791 | 0.0352 | | 617.0587 |
| Worker | 0.2168 | 0.1332 | 1.5710 | 4.9200e-003 | 0.5470 | 4.2400e-003 | 0.5512 | 0.1451 | 3.9000e-003 | 0.1490 | | 490.3371 | 490.3371 | 0.0128 | | 490.6565 |
| **Total** | **0.2702** | **1.8069** | **2.1378** | **0.0107** | **0.7007** | **6.2800e-003** | **0.7069** | **0.1893** | **5.8500e-003** | **0.1952** | | **1,106.5162** | **1,106.5162** | **0.0480** | | **1,107.7152** |

**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 | 1.6880 | 14.7878 | 17.5881 | 0.0314 | | 0.6725 | 0.6725 | | 0.6497 | 0.6497 | 0.0000 | 2,944.0785 | 2,944.0785 | 0.4761 | | 2,955.9799 |
| **Total** | **1.6880** | **14.7878** | **17.5881** | **0.0314** | | **0.6725** | **0.6725** | | **0.6497** | **0.6497** | **0.0000** | **2,944.0785** | **2,944.0785** | **0.4761** | | **2,955.9799** |

**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 | 0.0534 | 1.6737 | 0.5668 | 5.7500e-003 | 0.1033 | 2.0400e-003 | 0.1053 | 0.0319 | 1.9500e-003 | 0.0338 | | 616.1791 | 616.1791 | 0.0352 | | 617.0587 |
| Worker | 0.2168 | 0.1332 | 1.5710 | 4.9200e-003 | 0.3283 | 4.2400e-003 | 0.3325 | 0.0914 | 3.9000e-003 | 0.0953 | | 490.3371 | 490.3371 | 0.0128 | | 490.6565 |
| **Total** | **0.2702** | **1.8069** | **2.1378** | **0.0107** | **0.4316** | **6.2800e-003** | **0.4379** | **0.1233** | **5.8500e-003** | **0.1291** | | **1,106.5162** | **1,106.5162** | **0.0480** | | **1,107.7152** |

## 3.5 Architectural Coating - 2023

**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 | 8.6073 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1917 | 1.3030 | 1.8111 | 2.9700e-003 | | 0.0708 | 0.0708 | | 0.0708 | 0.0708 | | 281.4481 | 281.4481 | 0.0168 | | 281.8690 |
| **Total** | **8.7989** | **1.3030** | **1.8111** | **2.9700e-003** | | **0.0708** | **0.0708** | | **0.0708** | **0.0708** | | **281.4481** | **281.4481** | **0.0168** | | **281.8690** |

## 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 | 0.0420 | 0.0258 | 0.3041 | 9.5000e-004 | 0.1059 | 8.2000e-004 | 0.1067 | 0.0281 | 7.6000e-004 | 0.0288 | | 94.9040 | 94.9040 | 2.4700e-003 | | 94.9658 |
| **Total** | **0.0420** | **0.0258** | **0.3041** | **9.5000e-004** | **0.1059** | **8.2000e-004** | **0.1067** | **0.0281** | **7.6000e-004** | **0.0288** | | **94.9040** | **94.9040** | **2.4700e-003** | | **94.9658** |

## 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 | 8.6073 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1917 | 1.3030 | 1.8111 | 2.9700e-003 | | 0.0708 | 0.0708 | | 0.0708 | 0.0708 | 0.0000 | 281.4481 | 281.4481 | 0.0168 | | 281.8690 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **8.7989** | **1.3030** | **1.8111** | **2.9700e-003** | | **0.0708** | **0.0708** | | **0.0708** | **0.0708** | **0.0000** | **281.4481** | **281.4481** | **0.0168** | | **281.8690** |

**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 | 0.0420 | 0.0258 | 0.3041 | 9.5000e-004 | 0.0635 | 8.2000e-004 | 0.0644 | 0.0177 | 7.6000e-004 | 0.0185 | | 94.9040 | 94.9040 | 2.4700e-003 | | 94.9658 |
| **Total** | **0.0420** | **0.0258** | **0.3041** | **9.5000e-004** | **0.0635** | **8.2000e-004** | **0.0644** | **0.0177** | **7.6000e-004** | **0.0185** | | **94.9040** | **94.9040** | **2.4700e-003** | | **94.9658** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | 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 | 1.4485 | 6.1260 | 16.9868 | 0.0616 | 5.3313 | 0.0483 | 5.3795 | 1.4267 | 0.0449 | 1.4716 | | 6,281.8062 | 6,281.8062 | 0.3247 | | 6,289.9241 |
| Unmitigated | 1.4485 | 6.1260 | 16.9868 | 0.0616 | 5.3313 | 0.0483 | 5.3795 | 1.4267 | 0.0449 | 1.4716 | | 6,281.8062 | 6,281.8062 | 0.3247 | | 6,289.9241 |

### 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | | |
| Hotel | 1,047.54 | 1,050.70 | 940.10 | 2,464,063 | 2,464,063 |
| Total | 1,047.54 | 1,050.70 | 940.10 | 2,464,063 | 2,464,063 |

### 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Enclosed Parking with Elevator | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Hotel | 16.60 | 8.40 | 6.90 | 19.40 | 61.60 | 19.00 | 58 | 38 | 4 |

### 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Enclosed Parking with Elevator | 0.545842 | 0.044766 | 0.205286 | 0.119311 | 0.015356 | 0.006227 | 0.020466 | 0.031333 | 0.002546 | 0.002133 | 0.005184 | 0.000692 | 0.000862 |
| Hotel | 0.545842 | 0.044766 | 0.205286 | 0.119311 | 0.015356 | 0.006227 | 0.020466 | 0.031333 | 0.002546 | 0.002133 | 0.005184 | 0.000692 | 0.000862 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0558 | 0.5069 | 0.4258 | 3.0400e-003 | | 0.0385 | 0.0385 | | 0.0385 | 0.0385 | | 608.2302 | 608.2302 | 0.0117 | 0.0112 | 611.8446 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NaturalGas Unmitigated | 0.0558 | 0.5069 | 0.4258 | 3.0400e-003 | | 0.0385 | 0.0385 | | 0.0385 | 0.0385 | | 608.2302 | 608.2302 | 0.0117 | 0.0112 | 611.8446 |

## 5.2 Energy by Land Use - NaturalGas

**Unmitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Enclosed Parking with Elevator | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hotel | 5169.96 | 0.0558 | 0.5069 | 0.4258 | 3.0400e-003 | | 0.0385 | 0.0385 | | 0.0385 | 0.0385 | | 608.2302 | 608.2302 | 0.0117 | 0.0112 | 611.8446 |
| **Total** | | **0.0558** | **0.5069** | **0.4258** | **3.0400e-003** | | **0.0385** | **0.0385** | | **0.0385** | **0.0385** | | **608.2302** | **608.2302** | **0.0117** | **0.0112** | **611.8446** |

**Mitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Enclosed Parking with Elevator | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hotel | 5.16996 | 0.0558 | 0.5069 | 0.4258 | 3.0400e-003 | | 0.0385 | 0.0385 | | 0.0385 | 0.0385 | | 608.2302 | 608.2302 | 0.0117 | 0.0112 | 611.8446 |
| **Total** | | **0.0558** | **0.5069** | **0.4258** | **3.0400e-003** | | **0.0385** | **0.0385** | | **0.0385** | **0.0385** | | **608.2302** | **608.2302** | **0.0117** | **0.0112** | **611.8446** |

# 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 | 1.7911 | 3.1000e-004 | 0.0339 | 0.0000 | | 1.2000e-004 | 1.2000e-004 | | 1.2000e-004 | 1.2000e-004 | | 0.0727 | 0.0727 | 1.9000e-004 | | 0.0774 |
| Unmitigated | 1.7911 | 3.1000e-004 | 0.0339 | 0.0000 | | 1.2000e-004 | 1.2000e-004 | | 1.2000e-004 | 1.2000e-004 | | 0.0727 | 0.0727 | 1.9000e-004 | | 0.0774 |

## 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 | 0.2052 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 1.5828 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 3.1400e-003 | 3.1000e-004 | 0.0339 | 0.0000 | | 1.2000e-004 | 1.2000e-004 | | 1.2000e-004 | 1.2000e-004 | | 0.0727 | 0.0727 | 1.9000e-004 | | 0.0774 |
| **Total** | **1.7911** | **3.1000e-004** | **0.0339** | **0.0000** | | **1.2000e-004** | **1.2000e-004** | | **1.2000e-004** | **1.2000e-004** | | **0.0727** | **0.0727** | **1.9000e-004** | | **0.0774** |

**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 | 0.2052 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 1.5828 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 3.1400e-003 | 3.1000e-004 | 0.0339 | 0.0000 | | 1.2000e-004 | 1.2000e-004 | | 1.2000e-004 | 1.2000e-004 | | 0.0727 | 0.0727 | 1.9000e-004 | | 0.0774 |
| **Total** | **1.7911** | **3.1000e-004** | **0.0339** | **0.0000** | | **1.2000e-004** | **1.2000e-004** | | **1.2000e-004** | **1.2000e-004** | | **0.0727** | **0.0727** | **1.9000e-004** | | **0.0774** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

| 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