

America Center
Santa Clara County, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|-------------------------|----------|----------|-------------|--------------------|------------|
| General Office Building | 1,090.00 | 1000sqft | 30.00 | 1,090,000.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|--------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 58 |
| Climate Zone | 4 | | | Operational Year | 2018 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 641.35 | CH4 Intensity (lb/MWhr) | 0.029 | N2O Intensity (lb/MWhr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Acreage of site
- Vehicle Trips - Trip rate based on ITE
- Consumer Products -
- Mobile Land Use Mitigation -
- Area Mitigation -

| Table Name | Column Name | Default Value | New Value |
|---------------------------|----------------------------|---------------|-----------|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 150.00 | 250.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 100.00 | 250.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 150.00 | 250.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 100.00 | 250.00 |
| tblLandUse | LotAcreage | 25.02 | 30.00 |
| tblProjectCharacteristics | OperationalYear | 2014 | 2018 |

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 | 26.4511 | 1.0600e-003 | 0.1128 | 1.0000e-005 | | 4.1000e-004 | 4.1000e-004 | | 4.1000e-004 | 4.1000e-004 | | 0.2386 | 0.2386 | 6.5000e-004 | | 0.2523 |
| Energy | 0.5546 | 5.0416 | 4.2349 | 0.0303 | | 0.3832 | 0.3832 | | 0.3832 | 0.3832 | | 6,049.8953 | 6,049.8953 | 0.1160 | 0.1109 | 6,086.7139 |
| Mobile | 36.3009 | 72.1592 | 342.8218 | 0.8578 | 60.5524 | 1.0363 | 61.5887 | 16.1433 | 0.9549 | 17.0983 | | 69,996.6042 | 69,996.6042 | 2.5905 | | 70,051.0045 |
| Total | 63.3066 | 77.2019 | 347.1696 | 0.8880 | 60.5524 | 1.4199 | 61.9723 | 16.1433 | 1.3385 | 17.4819 | | 76,046.7380 | 76,046.7380 | 2.7071 | 0.1109 | 76,137.9707 |

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 | 26.4511 | 1.0600e-003 | 0.1128 | 1.0000e-005 | | 4.1000e-004 | 4.1000e-004 | | 4.1000e-004 | 4.1000e-004 | | 0.2386 | 0.2386 | 6.5000e-004 | | 0.2523 |
| Energy | 0.5546 | 5.0416 | 4.2349 | 0.0303 | | 0.3832 | 0.3832 | | 0.3832 | 0.3832 | | 6,049.8953 | 6,049.8953 | 0.1160 | 0.1109 | 6,086.7139 |
| Mobile | 36.3009 | 72.1592 | 342.8218 | 0.8578 | 60.5524 | 1.0363 | 61.5887 | 16.1433 | 0.9549 | 17.0983 | | 69,996.6042 | 69,996.6042 | 2.5905 | | 70,051.0045 |
| Total | 63.3066 | 77.2019 | 347.1696 | 0.8880 | 60.5524 | 1.4199 | 61.9723 | 16.1433 | 1.3385 | 17.4819 | | 76,046.7380 | 76,046.7380 | 2.7071 | 0.1109 | 76,137.9707 |

3.7 Architectural Coating - 2019

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.2093 | 0.2400 | 2.8241 | 7.9300e-003 | 0.6601 | 4.6100e-003 | 0.6647 | 0.1751 | 4.2700e-003 | 0.1794 | | 593.7685 | 593.7685 | 0.0258 | | 594.3106 |
| Total | 0.2093 | 0.2400 | 2.8241 | 7.9300e-003 | 0.6601 | 4.6100e-003 | 0.6647 | 0.1751 | 4.2700e-003 | 0.1794 | | 593.7685 | 593.7685 | 0.0258 | | 594.3106 |

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 | 36.3009 | 72.1592 | 342.8218 | 0.8578 | 60.5524 | 1.0363 | 61.5887 | 16.1433 | 0.9549 | 17.0983 | | 69,996.60 42 | 69,996.60 42 | 2.5905 | | 70,051.00 45 |
| Unmitigated | 36.3009 | 72.1592 | 342.8218 | 0.8578 | 60.5524 | 1.0363 | 61.5887 | 16.1433 | 0.9549 | 17.0983 | | 69,996.60 42 | 69,996.60 42 | 2.5905 | | 70,051.00 45 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|-------------------------|-------------------------|-----------------|-----------------|-------------------|-------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Office Building | 12,000.90 | 2,583.30 | 1068.20 | 21,731,729 | 21,731,729 |
| Total | 12,000.90 | 2,583.30 | 1,068.20 | 21,731,729 | 21,731,729 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|-------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |

| LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0.551461 | 0.058468 | 0.185554 | 0.123211 | 0.029507 | 0.004440 | 0.012712 | 0.023230 | 0.001775 | 0.001270 | 0.006089 | 0.000516 | 0.001766 |

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.5546 | 5.0416 | 4.2349 | 0.0303 | | 0.3832 | 0.3832 | | 0.3832 | 0.3832 | | 6,049.8953 | 6,049.8953 | 0.1160 | 0.1109 | 6,086.7139 |
| NaturalGas Unmitigated | 0.5546 | 5.0416 | 4.2349 | 0.0303 | | 0.3832 | 0.3832 | | 0.3832 | 0.3832 | | 6,049.8953 | 6,049.8953 | 0.1160 | 0.1109 | 6,086.7139 |

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 | | | | | |
| General Office Building | 51424.1 | 0.5546 | 5.0416 | 4.2349 | 0.0303 | | 0.3832 | 0.3832 | | 0.3832 | 0.3832 | | 6,049.8953 | 6,049.8953 | 0.1160 | 0.1109 | 6,086.7139 |
| Total | | 0.5546 | 5.0416 | 4.2349 | 0.0303 | | 0.3832 | 0.3832 | | 0.3832 | 0.3832 | | 6,049.8953 | 6,049.8953 | 0.1160 | 0.1109 | 6,086.7139 |

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 | | | | | |
| General Office Building | 51.4241 | 0.5546 | 5.0416 | 4.2349 | 0.0303 | | 0.3832 | 0.3832 | | 0.3832 | 0.3832 | | 6,049.8953 | 6,049.8953 | 0.1160 | 0.1109 | 6,086.7139 |
| Total | | 0.5546 | 5.0416 | 4.2349 | 0.0303 | | 0.3832 | 0.3832 | | 0.3832 | 0.3832 | | 6,049.8953 | 6,049.8953 | 0.1160 | 0.1109 | 6,086.7139 |

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

| | ROG | NOx | CO | SO2 | 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 | 26.4511 | 1.0600e-003 | 0.1128 | 1.0000e-005 | | 4.1000e-004 | 4.1000e-004 | | 4.1000e-004 | 4.1000e-004 | | 0.2386 | 0.2386 | 6.5000e-004 | | 0.2523 |
| Unmitigated | 26.4511 | 1.0600e-003 | 0.1128 | 1.0000e-005 | | 4.1000e-004 | 4.1000e-004 | | 4.1000e-004 | 4.1000e-004 | | 0.2386 | 0.2386 | 6.5000e-004 | | 0.2523 |

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 | | | | | |
| Consumer Products | 23.3260 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0108 | 1.0600e-003 | 0.1128 | 1.0000e-005 | | 4.1000e-004 | 4.1000e-004 | | 4.1000e-004 | 4.1000e-004 | | 0.2386 | 0.2386 | 6.5000e-004 | | 0.2523 |
| Architectural Coating | 3.1143 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 26.4511 | 1.0600e-003 | 0.1128 | 1.0000e-005 | | 4.1000e-004 | 4.1000e-004 | | 4.1000e-004 | 4.1000e-004 | | 0.2386 | 0.2386 | 6.5000e-004 | | 0.2523 |

6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|----------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Consumer Products | 23.3260 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.0108 | 1.0600e-003 | 0.1128 | 1.0000e-005 | | 4.1000e-004 | 4.1000e-004 | | 4.1000e-004 | 4.1000e-004 | | 0.2386 | 0.2386 | 6.5000e-004 | | 0.2523 |
| Architectural Coating | 3.1143 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 26.4511 | 1.0600e-003 | 0.1128 | 1.0000e-005 | | 4.1000e-004 | 4.1000e-004 | | 4.1000e-004 | 4.1000e-004 | | 0.2386 | 0.2386 | 6.5000e-004 | | 0.2523 |

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 Vegetation