

ATTACHMENT A:
EMISSIONS MODELING RESULTS

ATTACHMENT TO THE
MAY 2016
MERIDIAN 25 OFFICE PROJECT
INITIAL STUDY AND MITIGATED NEGATIVE DECLARATION

**Construction-Period Health Risk Assessment
Calculations for Diesel Particulate Matter (DPM) Cancer Risk,
DPM Non-Cancer Hazard and PM_{2.5} Exposure**

Meridian 25 Office Project

CANCER RISK:

1. CalEEMod Output

Specifics of construction phases were entered into CalEEMod. Default assumptions regarding construction equipment were used. CalEEMod projected PM₁₀ levels of 0.343 short tons for the construction period.

2. AERSCREEN

The average yearly emissions rate from the CalEEMod output was reduced by 5% to account for implementation of basic construction measures (Air-1) then converted to grams/second (0.00551 g/s) using a 1.7 year construction period then entered into AERSCREEN using model defaults for a worst-case screening level analysis per the attached AERSCREEN output file.

This resulted in a maximum 1-hour concentration of 1.595 µg/m³, which would occur at a distance of approximately 200 meters.

3. Scaling to Annual

GLC = (X1-hour) (Scalar)

Where GLC is the annual average ground level concentration.

The maximum 1-hour concentration from the AERSCREEN output was then multiplied by the BAAQMD recommended hourly to annual Scalar of 0.1 for the following:

$$GLC = (1.595\mu\text{g}/\text{m}^3) (0.1)$$

$$\text{Ground Level Concentration} = 0.1595 \mu\text{g}/\text{m}^3$$

4. Calculate Risk

This GLC was used as the concentration in air (“C air”) for calculation of inhalation dose as follows:

$$\text{Inhalation Dose} = (\text{C air} * \text{DBR} * \text{A} * \text{EF} * \text{ED} * 1 \times 10^{-6}) / \text{AT}$$

DBR = daily breathing rate = 335

A = inhalation absorption rate for DPM = 1

EF = Exposure frequency = 250 days/yr (assuming 5 days a week for 50 weeks for the entire year)

ED = Exposure duration = 1.7 years (construction period)

AT = Averaging time = 25,550 (for a 70 year cancer risk)

$$\text{Inhalation Dose} = (0.1595) (335) (1) (250) (1.7) (10^{-6}) / 25550$$

$$\text{Inhalation Dose} = 8.89\text{E-}07$$

And from there calculated the Inhalation Cancer Risk:

$$\text{Inhalation Cancer Potency factor (for DPM)} = 1.1$$

$$\text{Inhalation Cancer Risk per million} = (\text{Inhalation Dose}) * \text{Inhalation Cancer Potency factor} * 10^6$$

$$\text{Inhalation Cancer Risk per million} = (8.89\text{E-}07) * 1.1 * 10^6$$

$$\text{Inhalation Cancer Risk per million (adult)} = 0.978 - \text{compared to the threshold of } 10.000$$

Because an infant could be exposed during the construction, an age sensitivity factor of 10 is used.

$$\text{Inhalation Cancer Risk} * \text{ASF} = \text{risk adjusted for age sensitivity}$$

$$0.978 * 10 = 9.78$$

$$\text{Inhalation Cancer Risk per million (infant)} = 9.78 \text{ compared to the threshold of } 10.00$$

This screening level analysis is below threshold levels and therefore further modeling would not be required to make conclusions. (Note that screening analyses such as this are intended to overestimate risk to determine if further modeling would be required and are not expected to estimate actual risk.)

FOR CHRONIC NON-HAZARD:

$$\text{Hazard Quotient} = C \text{ air} / \text{REL}$$

$$\text{REL} = \text{DPM inhalation non-cancer chronic (long-term) reference exposure level} = 5 \mu\text{g}/\text{m}^3$$

$$\text{Hazard Quotient} = 0.1595 / 5.0$$

$$\text{Hazard Quotient} = 0.032 \text{ compared to the threshold of } 1.000$$

FOR PM_{2.5}

CalEEMod projected PM_{2.5} levels of 0.3203 short tons for the construction period, which was entered into AERSCREEN the same as for PM₁₀ analysis above.

AERSCREEN modeled the maximum Ground Level Concentration at 0.149 $\mu\text{g}/\text{m}^3$, which would occur at a distance of approximately 200 meters.

$$\text{Annual Average PM}_{2.5} \text{ concentration of } 0.149 \mu\text{g}/\text{m}^3 \text{ compared to the threshold of } 0.300 \mu\text{g}/\text{m}^3$$

This screening level analysis is below threshold levels and therefore further modeling would not be required to make conclusions. (Note that screening analyses such as this are intended to overestimate risk to determine if further modeling would be required and are not expected to estimate actual risk.)

TITLE: MERIDIAN 25 PM10

***** AREA PARAMETERS *****

SOURCE EMISSION RATE: 0. 551E-02 g/s 0. 437E-01 lb/hr
 AREA EMISSION RATE: 0. 154E-06 g/(s-m2) 0. 122E-05 lb/(hr-m2)
 AREA HEIGHT: 19. 00 meters 62. 34 feet
 AREA SOURCE LONG SIDE: 205. 00 meters 672. 57 feet
 AREA SOURCE SHORT SIDE: 175. 00 meters 574. 15 feet
 INITIAL VERTICAL DIMENSION: 3. 00 meters 9. 84 feet
 RURAL OR URBAN: URBAN
 POPULATION: 30000
 INITIAL PROBE DISTANCE = 5000. meters 16404. feet

***** BUILDING DOWNWASH PARAMETERS *****

BUILDING DOWNWASH NOT USED FOR NON-POINT SOURCES

***** FLOW SECTOR ANALYSIS *****
 25 meter receptor spacing: 1. meters - 5000. meters

MAXIMUM IMPACT RECEPTOR

Zo SECTOR	SURFACE ROUGHNESS	1-HR CONC (ug/m3)	RADIAL (deg)	DIST (m)	TEMPORAL PERIOD
1*	1. 000	1. 595	40	200. 0	WIN

* = worst case diagonal

***** MAKEMET METEOROLOGY PARAMETERS *****

MIN/MAX TEMPERATURE: 250. 0 / 310. 0 (K)
 MINIMUM WIND SPEED: 0. 5 m/s
 ANEMOMETER HEIGHT: 10. 000 meters

SURFACE CHARACTERISTICS INPUT: AERMET SEASONAL TABLES

DOMINANT SURFACE PROFILE: Urban
 DOMINANT CLIMATE TYPE: Average Moisture
 DOMINANT SEASON: Winter

ALBEDO: 0.35
 BOWEN RATIO: 1.50
 ROUGHNESS LENGTH: 1.000 (meters)

METEOROLOGY CONDITIONS USED TO PREDICT OVERALL MAXIMUM IMPACT

```

-----
YR MO DY JDY HR
-- -- -- -- --
10 01 10 10 01

HO      U*      W*  DT/DZ ZI CNV ZI MCH  M-O LEN      ZO  BOWEN ALBEDO  REF WS
-----
-1.30  0.043 -9.000  0.020 -999.  21.  6.0 1.000  1.50  0.35  0.50

HT  REF TA      HT
-----
10.0  310.0  2.0
  
```

METEOROLOGY CONDITIONS USED TO PREDICT AMBIENT BOUNDARY IMPACT

```

-----
YR MO DY JDY HR
-- -- -- -- --
10 01 03 10 12

HO      U*      W*  DT/DZ ZI CNV ZI MCH  M-O LEN      ZO  BOWEN ALBEDO  REF WS
-----
3.73  0.112  0.300  0.020  222.  87.  -29.2 1.000  1.00  0.14  0.50

HT  REF TA      HT
-----
10.0  250.0  2.0
  
```

***** AERSCREEN AUTOMATED DISTANCES *****
 OVERALL MAXIMUM CONCENTRATIONS BY DISTANCE

DIST (m)	MAXIMUM 1-HR CONC (ug/m3)	DIST (m)	MAXIMUM 1-HR CONC (ug/m3)
1.00	0.6268	2525.00	0.1215
25.00	0.7419	2550.00	0.1204
50.00	0.8381	2575.00	0.1193
75.00	1.017	2600.00	0.1183
100.00	1.188	2625.00	0.1173
125.00	1.344	2650.00	0.1163
150.00	1.492	2675.00	0.1153
175.00	1.573	2700.00	0.1144
200.00	1.595	2725.00	0.1135
225.00	1.539	2750.00	0.1126
250.00	1.452	2775.00	0.1117
275.00	1.362	2800.00	0.1109
300.00	1.274	2825.00	0.1101
325.00	1.193	2850.00	0.1093
350.00	1.118	2875.00	0.1085
375.00	1.050	2900.00	0.1077
400.00	0.9891	2925.00	0.1069

425.00	0.9329	2950.00	0.1062
450.00	0.8813	2975.00	0.1055
475.00	0.8338	3000.00	0.1048
500.00	0.7901	3025.00	0.1052
525.00	0.7501	3050.00	0.1045
550.00	0.7132	3075.00	0.1039
575.00	0.6793	3100.00	0.1032
600.00	0.6476	3125.00	0.1025
625.00	0.6187	3150.00	0.1019
650.00	0.5914	3175.00	0.1012
675.00	0.5665	3200.00	0.1006
700.00	0.5430	3225.00	0.9997E-01
725.00	0.5211	3250.00	0.9937E-01
750.00	0.5008	3275.00	0.9877E-01
775.00	0.4816	3300.00	0.9819E-01
800.00	0.4638	3325.00	0.9761E-01
825.00	0.4471	3350.00	0.9705E-01
850.00	0.4313	3375.00	0.9649E-01
875.00	0.4164	3400.00	0.9595E-01
900.00	0.4024	3425.00	0.9541E-01
925.00	0.3892	3450.00	0.9488E-01
950.01	0.3767	3475.00	0.9436E-01
975.00	0.3649	3500.00	0.9385E-01
1000.00	0.3538	3525.00	0.9334E-01
1025.00	0.3431	3550.00	0.9285E-01
1050.00	0.3331	3575.00	0.9236E-01
1075.00	0.3235	3600.00	0.9188E-01
1100.00	0.3144	3625.00	0.9140E-01
1125.00	0.3058	3650.00	0.9093E-01
1150.00	0.2976	3675.00	0.9047E-01
1175.00	0.2897	3700.00	0.9002E-01
1200.00	0.2822	3725.00	0.8957E-01
1225.00	0.2751	3750.00	0.8913E-01
1250.00	0.2683	3775.00	0.8869E-01
1275.00	0.2618	3800.00	0.8826E-01
1300.00	0.2555	3825.00	0.8784E-01
1325.00	0.2495	3849.99	0.8742E-01
1350.00	0.2439	3875.00	0.8700E-01
1375.00	0.2384	3900.00	0.8660E-01
1400.00	0.2331	3925.00	0.8619E-01
1425.00	0.2281	3950.00	0.8580E-01
1450.00	0.2233	3975.00	0.8540E-01
1475.00	0.2187	4000.00	0.8501E-01
1500.00	0.2143	4025.00	0.8463E-01
1525.00	0.2100	4050.00	0.8425E-01
1550.00	0.2060	4075.00	0.8388E-01
1575.00	0.2021	4100.00	0.8351E-01
1600.00	0.1983	4125.00	0.8314E-01
1625.00	0.1947	4150.00	0.8278E-01
1650.00	0.1912	4175.00	0.8243E-01
1675.00	0.1878	4200.00	0.8207E-01
1700.00	0.1846	4225.00	0.8172E-01
1725.00	0.1814	4250.00	0.8138E-01
1750.00	0.1784	4275.00	0.8104E-01
1775.00	0.1755	4300.00	0.8070E-01
1800.00	0.1727	4325.00	0.8037E-01
1825.00	0.1700	4350.00	0.8004E-01
1850.00	0.1673	4375.00	0.7971E-01
1875.00	0.1648	4400.00	0.7938E-01
1900.00	0.1624	4425.00	0.7907E-01
1924.99	0.1601	4449.99	0.7875E-01
1950.00	0.1578	4475.00	0.7843E-01
1975.01	0.1556	4500.00	0.7812E-01
2000.01	0.1535	4525.00	0.7782E-01
2025.00	0.1514	4550.00	0.7751E-01

2050.00	0.1495	4575.00	0.7721E-01
2075.00	0.1475	4599.99	0.7691E-01
2100.00	0.1457	4625.00	0.7662E-01
2125.00	0.1439	4650.00	0.7633E-01
2150.00	0.1421	4675.00	0.7604E-01
2175.00	0.1405	4700.00	0.7575E-01
2200.00	0.1388	4725.00	0.7547E-01
2225.00	0.1372	4750.00	0.7519E-01
2250.00	0.1357	4774.99	0.7491E-01
2275.00	0.1342	4800.00	0.7463E-01
2300.00	0.1328	4825.00	0.7436E-01
2325.00	0.1314	4850.00	0.7409E-01
2350.00	0.1300	4875.00	0.7382E-01
2375.00	0.1287	4900.00	0.7355E-01
2400.00	0.1274	4924.99	0.7329E-01
2425.00	0.1262	4950.00	0.7303E-01
2450.00	0.1250	4975.00	0.7277E-01
2475.00	0.1238	5000.00	0.7251E-01
2500.00	0.1226		

***** AERSCREEN MAXIMUM IMPACT SUMMARY *****

3-hour, 8-hour, and 24-hour scaled concentrations are equal to the 1-hour concentration as referenced in SCREENING PROCEDURES FOR ESTIMATING THE AIR QUALITY IMPACT OF STATIONARY SOURCES, REVISED (Section 4.5.4) Report number EPA-454/R-92-019 http://www.epa.gov/scram001/guidance_permit.htm under Screening Guidance

CALCULATION PROCEDURE	MAXIMUM 1-HOUR CONC (ug/m3)	SCALED 3-HOUR CONC (ug/m3)	SCALED 8-HOUR CONC (ug/m3)	SCALED 24-HOUR CONC (ug/m3)	SCALED ANNUAL CONC (ug/m3)
FLAT TERRAIN	1.597	1.597	1.597	1.597	N/A
DI STANCE FROM SOURCE	201.00 meters				
IMPACT AT THE AMBIENT BOUNDARY	0.6268	0.6268	0.6268	0.6268	N/A
DI STANCE FROM SOURCE	1.00 meters				

TITLE: Meridi an 25 PM2. 5

***** AREA PARAMETERS *****

SOURCE EMISSION RATE: 0. 515E-02 g/s 0. 408E-01 lb/hr
 AREA EMISSION RATE: 0. 143E-06 g/(s-m2) 0. 114E-05 lb/(hr-m2)
 AREA HEIGHT: 19. 00 meters 62. 34 feet
 AREA SOURCE LONG SIDE: 205. 00 meters 672. 57 feet
 AREA SOURCE SHORT SIDE: 175. 00 meters 574. 15 feet
 INITIAL VERTICAL DIMENSION: 3. 00 meters 9. 84 feet
 RURAL OR URBAN: URBAN
 POPULATION: 30000
 INITIAL PROBE DISTANCE = 5000. meters 16404. feet

***** BUILDING DOWNWASH PARAMETERS *****

BUILDING DOWNWASH NOT USED FOR NON-POINT SOURCES

***** FLOW SECTOR ANALYSIS *****
 25 meter receptor spacing: 1. meters - 5000. meters

MAXIMUM IMPACT RECEPTOR

Zo SECTOR	SURFACE ROUGHNESS	1-HR CONC (ug/m3)	RADIAL (deg)	DIST (m)	TEMPORAL PERIOD
1*	1. 000	1. 489	40	200. 0	WIN

* = worst case diagonal

***** MAKEMET METEOROLOGY PARAMETERS *****

MIN/MAX TEMPERATURE: 250. 0 / 310. 0 (K)
 MINIMUM WIND SPEED: 0. 5 m/s
 ANEMOMETER HEIGHT: 10. 000 meters
 SURFACE CHARACTERISTICS INPUT: AERMET SEASONAL TABLES
 DOMINANT SURFACE PROFILE: Urban
 DOMINANT CLIMATE TYPE: Average Moisture
 DOMINANT SEASON: Winter

ALBEDO: 0.35
 BOWEN RATIO: 1.50
 ROUGHNESS LENGTH: 1.000 (meters)

METEOROLOGY CONDITIONS USED TO PREDICT OVERALL MAXIMUM IMPACT

```

-----
YR MO DY JDY HR
-- -- -- -- --
10 01 10 10 01

HO      U*      W*  DT/DZ ZI CNV ZI MCH  M-O LEN      ZO  BOWEN ALBEDO  REF WS
-----
-1.30  0.043 -9.000  0.020 -999.  21.      6.0 1.000  1.50  0.35  0.50

HT  REF TA      HT
-----
10.0  310.0  2.0
  
```

METEOROLOGY CONDITIONS USED TO PREDICT AMBIENT BOUNDARY IMPACT

```

-----
YR MO DY JDY HR
-- -- -- -- --
10 01 03 10 12

HO      U*      W*  DT/DZ ZI CNV ZI MCH  M-O LEN      ZO  BOWEN ALBEDO  REF WS
-----
3.73  0.112  0.300  0.020  222.  87.     -29.2 1.000  1.00  0.14  0.50

HT  REF TA      HT
-----
10.0  250.0  2.0
  
```

***** AERSCREEN AUTOMATED DISTANCES *****
 OVERALL MAXIMUM CONCENTRATIONS BY DISTANCE

DIST (m)	MAXIMUM 1-HR CONC (ug/m3)	DIST (m)	MAXIMUM 1-HR CONC (ug/m3)
1.00	0.5851	2525.00	0.1134
25.00	0.6926	2550.00	0.1124
50.00	0.7824	2575.00	0.1114
75.00	0.9497	2600.00	0.1104
100.00	1.109	2625.00	0.1095
125.00	1.255	2650.00	0.1086
150.00	1.393	2675.00	0.1077
175.00	1.469	2700.00	0.1068
200.00	1.489	2725.00	0.1060
225.00	1.437	2750.00	0.1051
250.00	1.356	2775.00	0.1043
275.00	1.271	2800.00	0.1035
300.00	1.189	2825.00	0.1028
325.00	1.114	2850.00	0.1020
350.00	1.044	2875.00	0.1013
375.00	0.9806	2900.00	0.1005
400.00	0.9234	2925.00	0.9984E-01

425.00	0.8709	2950.00	0.9916E-01
450.00	0.8228	2975.00	0.9848E-01
475.00	0.7784	3000.00	0.9782E-01
500.00	0.7376	3025.00	0.9826E-01
525.00	0.7002	3050.00	0.9760E-01
550.00	0.6658	3075.00	0.9695E-01
575.00	0.6342	3100.00	0.9632E-01
600.00	0.6046	3125.00	0.9570E-01
625.00	0.5776	3150.00	0.9509E-01
650.00	0.5521	3175.00	0.9449E-01
675.00	0.5289	3200.00	0.9391E-01
700.00	0.5070	3225.00	0.9333E-01
725.00	0.4865	3250.00	0.9277E-01
750.00	0.4675	3275.00	0.9221E-01
775.00	0.4497	3300.00	0.9167E-01
800.00	0.4330	3325.00	0.9113E-01
825.00	0.4174	3350.00	0.9060E-01
850.00	0.4026	3375.00	0.9008E-01
875.00	0.3888	3400.00	0.8957E-01
900.00	0.3757	3425.00	0.8907E-01
925.00	0.3633	3450.00	0.8858E-01
950.01	0.3517	3475.00	0.8809E-01
975.00	0.3407	3500.00	0.8761E-01
1000.00	0.3303	3525.00	0.8714E-01
1025.00	0.3203	3550.00	0.8668E-01
1050.00	0.3110	3575.00	0.8622E-01
1075.00	0.3020	3600.00	0.8577E-01
1100.00	0.2935	3625.00	0.8533E-01
1125.00	0.2855	3650.00	0.8489E-01
1150.00	0.2778	3675.00	0.8446E-01
1175.00	0.2705	3700.00	0.8404E-01
1200.00	0.2635	3725.00	0.8362E-01
1225.00	0.2568	3750.00	0.8321E-01
1250.00	0.2505	3775.00	0.8280E-01
1275.00	0.2444	3800.00	0.8240E-01
1300.00	0.2385	3825.00	0.8200E-01
1325.00	0.2330	3850.00	0.8161E-01
1350.00	0.2277	3875.00	0.8123E-01
1375.00	0.2225	3900.00	0.8085E-01
1400.00	0.2177	3925.00	0.8047E-01
1425.00	0.2130	3950.00	0.8010E-01
1450.00	0.2085	3975.00	0.7973E-01
1475.00	0.2042	4000.00	0.7937E-01
1500.00	0.2000	4025.00	0.7901E-01
1525.00	0.1961	4050.00	0.7866E-01
1550.00	0.1923	4075.00	0.7831E-01
1575.00	0.1886	4100.00	0.7796E-01
1600.00	0.1851	4125.00	0.7762E-01
1625.00	0.1817	4150.00	0.7729E-01
1650.00	0.1785	4175.00	0.7695E-01
1675.00	0.1753	4200.00	0.7662E-01
1700.00	0.1723	4225.00	0.7630E-01
1725.00	0.1694	4250.00	0.7597E-01
1750.00	0.1666	4275.00	0.7566E-01
1775.00	0.1638	4300.00	0.7534E-01
1800.00	0.1612	4325.00	0.7503E-01
1825.00	0.1587	4350.00	0.7472E-01
1850.00	0.1562	4375.00	0.7442E-01
1875.00	0.1539	4400.00	0.7411E-01
1900.00	0.1516	4425.00	0.7381E-01
1924.99	0.1495	4450.00	0.7352E-01
1950.00	0.1473	4475.00	0.7323E-01
1975.01	0.1453	4500.00	0.7294E-01
2000.01	0.1433	4525.00	0.7265E-01
2025.00	0.1414	4550.00	0.7237E-01

2050.00	0.1395	4575.00	0.7209E-01
2075.00	0.1377	4599.99	0.7181E-01
2100.00	0.1360	4625.00	0.7153E-01
2125.00	0.1343	4650.00	0.7126E-01
2150.00	0.1327	4675.00	0.7099E-01
2175.00	0.1311	4700.00	0.7072E-01
2200.00	0.1296	4725.00	0.7046E-01
2225.00	0.1281	4750.00	0.7019E-01
2250.00	0.1267	4774.99	0.6993E-01
2275.00	0.1253	4800.00	0.6967E-01
2300.00	0.1240	4825.00	0.6942E-01
2325.00	0.1227	4850.00	0.6917E-01
2350.00	0.1214	4875.00	0.6892E-01
2375.00	0.1202	4900.00	0.6867E-01
2400.00	0.1190	4924.99	0.6842E-01
2425.00	0.1178	4950.00	0.6818E-01
2450.00	0.1167	4975.00	0.6794E-01
2475.00	0.1156	5000.00	0.6770E-01
2500.00	0.1145		

***** AERSCREEN MAXIMUM IMPACT SUMMARY *****

3-hour, 8-hour, and 24-hour scaled concentrations are equal to the 1-hour concentration as referenced in SCREENING PROCEDURES FOR ESTIMATING THE AIR QUALITY IMPACT OF STATIONARY SOURCES, REVISED (Section 4.5.4) Report number EPA-454/R-92-019 http://www.epa.gov/scram001/guidance_permits.htm under Screening Guidance

CALCULATION PROCEDURE	MAXIMUM 1-HOUR CONC (ug/m3)	SCALED 3-HOUR CONC (ug/m3)	SCALED 8-HOUR CONC (ug/m3)	SCALED 24-HOUR CONC (ug/m3)	SCALED ANNUAL CONC (ug/m3)
FLAT TERRAIN	1.491	1.491	1.491	1.491	N/A
DI STANCE FROM SOURCE	201.00 meters				
IMPACT AT THE AMBIENT BOUNDARY	0.5851	0.5851	0.5851	0.5851	N/A
DI STANCE FROM SOURCE	1.00 meters				

Meridian 25 Office Project San Mateo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	539.48	1000sqft	7.95	539,484.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	70
Climate Zone	5			Operational Year	2017
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Project details per project plans.
- Grading - Earthwork details from grading plan.
- Demolition -
- Mobile Commute Mitigation -
- Vehicle Trips - Trip rate revised to result in same overall trips as identified in the TDM plan.
- Construction Off-road Equipment Mitigation - Assumed Tier 4 engines.

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
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblGrading	MaterialExported	0.00	123,971.00

tblLandUse	LotAcreage	12.38	7.95
tblProjectCharacteristics	OperationalYear	2014	2017
tblVehicleTrips	WD_TR	11.01	8.55

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					
2016	0.8577	7.5890	8.2390	0.0137	0.5908	0.3117	0.9025	0.1930	0.2911	0.4841	0.0000	1,221.2814	1,221.2814	0.1013	0.0000	1,223.4079
2017	6.3202	0.5626	0.5778	9.3000e-004	0.0247	0.0312	0.0560	6.6900e-003	0.0292	0.0359	0.0000	80.2360	80.2360	0.0132	0.0000	80.5136
Total	7.1779	8.1516	8.8168	0.0147	0.6155	0.3430	0.9585	0.1997	0.3203	0.5200	0.0000	1,301.5174	1,301.5174	0.1145	0.0000	1,303.9215

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					
2016	0.4386	3.7491	7.8478	0.0137	0.5908	0.0503	0.6411	0.1930	0.0467	0.2397	0.0000	1,221.2810	1,221.2810	0.1013	0.0000	1,223.4075
2017	6.2745	0.1212	0.5927	9.3000e-004	0.0247	1.9900e-003	0.0267	6.6900e-003	1.8900e-003	8.5800e-003	0.0000	80.2360	80.2360	0.0132	0.0000	80.5136
Total	6.7131	3.8704	8.4405	0.0147	0.6155	0.0523	0.6678	0.1997	0.0486	0.2483	0.0000	1,301.5170	1,301.5170	0.1145	0.0000	1,303.9211

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	6.48	52.52	4.27	0.00	0.00	84.76	30.33	0.00	84.83	52.25	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	tons/yr										MT/yr					
Area	2.3888	5.0000e-005	5.0500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.6400e-003	9.6400e-003	3.0000e-005	0.0000	0.0102
Energy	0.0590	0.5366	0.4507	3.2200e-003		0.0408	0.0408		0.0408	0.0408	0.0000	2,762.4833	2,762.4833	0.1097	0.0311	2,774.4242
Mobile	1.9161	3.7462	19.6699	0.0416	3.1369	0.0507	3.1875	0.8414	0.0466	0.8880	0.0000	3,175.9579	3,175.9579	0.1391	0.0000	3,178.8793
Waste						0.0000	0.0000		0.0000	0.0000	101.8446	0.0000	101.8446	6.0188	0.0000	228.2404
Water						0.0000	0.0000		0.0000	0.0000	30.4195	210.7693	241.1888	3.1339	0.0758	330.4818
Total	4.3639	4.2829	20.1257	0.0448	3.1369	0.0915	3.2283	0.8414	0.0874	0.9288	132.2641	6,149.2201	6,281.4842	9.4016	0.1068	6,512.0358

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	2.3888	5.0000e-005	5.0500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.6400e-003	9.6400e-003	3.0000e-005	0.0000	0.0102
Energy	0.0590	0.5366	0.4507	3.2200e-003		0.0408	0.0408		0.0408	0.0408	0.0000	2,762.4833	2,762.4833	0.1097	0.0311	2,774.4242

Mobile	1.9161	3.7462	19.6699	0.0416	3.1369	0.0507	3.1875	0.8414	0.0466	0.8880	0.0000	3,175.9579	3,175.9579	0.1391	0.0000	3,178.8793
Waste						0.0000	0.0000		0.0000	0.0000	101.8446	0.0000	101.8446	6.0188	0.0000	228.2404
Water						0.0000	0.0000		0.0000	0.0000	30.4195	210.7693	241.1888	3.1333	0.0756	330.4332
Total	4.3639	4.2829	20.1257	0.0448	3.1369	0.0915	3.2283	0.8414	0.0874	0.9288	132.2641	6,149.2201	6,281.4842	9.4010	0.1067	6,511.9873

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.11	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	1/1/2016	1/28/2016	5	20	
2	Site Preparation	Site Preparation	1/29/2016	2/11/2016	5	10	
3	Grading	Grading	2/12/2016	3/10/2016	5	20	
4	Building Construction	Building Construction	3/11/2016	1/26/2017	5	230	
5	Paving	Paving	1/27/2017	2/23/2017	5	20	
6	Architectural Coating	Architectural Coating	2/24/2017	3/23/2017	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 809,226; Non-Residential Outdoor: 269,742 (Architectural Coating

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
------------	------------------------	--------	-------------	-------------	-------------

Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	162	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	162	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	125	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	174	0.41
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Paving Equipment	2	8.00	130	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Building Construction	Welders	1	8.00	46	0.45

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	6	15.00	0.00	609.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	15,496.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	173.00	88.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	35.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment
Clean Paved Roads

3.2 Demolition - 2016

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					0.0659	0.0000	0.0659	9.9800e-003	0.0000	9.9800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0429	0.4566	0.3503	4.0000e-004		0.0229	0.0229		0.0214	0.0214	0.0000	37.0974	37.0974	0.0101	0.0000	37.3092
Total	0.0429	0.4566	0.3503	4.0000e-004	0.0659	0.0229	0.0888	9.9800e-003	0.0214	0.0314	0.0000	37.0974	37.0974	0.0101	0.0000	37.3092

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	7.7600e-003	0.0916	0.1086	2.2000e-004	5.0800e-003	1.1300e-003	6.2000e-003	1.3900e-003	1.0400e-003	2.4300e-003	0.0000	20.1877	20.1877	1.5000e-004	0.0000	20.1908
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	5.4000e-004	8.3000e-004	7.9400e-003	2.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2226	1.2226	7.0000e-005	0.0000	1.2240
Total	8.3000e-003	0.0925	0.1166	2.4000e-004	6.4400e-003	1.1400e-003	7.5700e-003	1.7500e-003	1.0500e-003	2.8000e-003	0.0000	21.4103	21.4103	2.2000e-004	0.0000	21.4148

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					0.0659	0.0000	0.0659	9.9800e-003	0.0000	9.9800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.7400e-003	0.0205	0.2383	4.0000e-004		6.3000e-004	6.3000e-004		6.3000e-004	6.3000e-004	0.0000	37.0973	37.0973	0.0101	0.0000	37.3092
Total	4.7400e-003	0.0205	0.2383	4.0000e-004	0.0659	6.3000e-004	0.0665	9.9800e-003	6.3000e-004	0.0106	0.0000	37.0973	37.0973	0.0101	0.0000	37.3092

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	7.7600e-003	0.0916	0.1086	2.2000e-004	5.0800e-003	1.1300e-003	6.2000e-003	1.3900e-003	1.0400e-003	2.4300e-003	0.0000	20.1877	20.1877	1.5000e-004	0.0000	20.1908
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	5.4000e-004	8.3000e-004	7.9400e-003	2.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2226	1.2226	7.0000e-005	0.0000	1.2240
Total	8.3000e-003	0.0925	0.1166	2.4000e-004	6.4400e-003	1.1400e-003	7.5700e-003	1.7500e-003	1.0500e-003	2.8000e-003	0.0000	21.4103	21.4103	2.2000e-004	0.0000	21.4148

3.3 Site Preparation - 2016

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					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0254	0.2732	0.2055	2.0000e-004		0.0147	0.0147		0.0135	0.0135	0.0000	18.4386	18.4386	5.5600e-003	0.0000	18.5554
Total	0.0254	0.2732	0.2055	2.0000e-004	0.0903	0.0147	0.1050	0.0497	0.0135	0.0632	0.0000	18.4386	18.4386	5.5600e-003	0.0000	18.5554

Unmitigated Construction Off-Site

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
	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	3.2000e-004	5.0000e-004	4.7600e-003	1.0000e-005	8.1000e-004	1.0000e-005	8.2000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.7336	0.7336	4.0000e-005	0.0000	0.7344
Total	3.2000e-004	5.0000e-004	4.7600e-003	1.0000e-005	8.1000e-004	1.0000e-005	8.2000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.7336	0.7336	4.0000e-005	0.0000	0.7344

Mitigated Construction On-Site

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
	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3800e-003	0.0103	0.1062	2.0000e-004		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	18.4385	18.4385	5.5600e-003	0.0000	18.5553

Total	2.3800e-003	0.0103	0.1062	2.0000e-004	0.0903	3.2000e-004	0.0907	0.0497	3.2000e-004	0.0500	0.0000	18.4385	18.4385	5.5600e-003	0.0000	18.5553
--------------	--------------------	---------------	---------------	--------------------	---------------	--------------------	---------------	---------------	--------------------	---------------	---------------	----------------	----------------	--------------------	---------------	----------------

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	3.2000e-004	5.0000e-004	4.7600e-003	1.0000e-005	8.1000e-004	1.0000e-005	8.2000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.7336	0.7336	4.0000e-005	0.0000	0.7344
Total	3.2000e-004	5.0000e-004	4.7600e-003	1.0000e-005	8.1000e-004	1.0000e-005	8.2000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.7336	0.7336	4.0000e-005	0.0000	0.7344

3.4 Grading - 2016

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					0.0725	0.0000	0.0725	0.0347	0.0000	0.0347	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0367	0.3845	0.2608	3.0000e-004		0.0220	0.0220		0.0202	0.0202	0.0000	28.0664	28.0664	8.4700e-003	0.0000	28.2442
Total	0.0367	0.3845	0.2608	3.0000e-004	0.0725	0.0220	0.0945	0.0347	0.0202	0.0550	0.0000	28.0664	28.0664	8.4700e-003	0.0000	28.2442

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	0.1976	2.3313	2.7641	5.6400e-003	0.1292	0.0286	0.1578	0.0355	0.0263	0.0618	0.0000	513.6749	513.6749	3.7600e-003	0.0000	513.7539
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	5.4000e-004	8.3000e-004	7.9400e-003	2.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2226	1.2226	7.0000e-005	0.0000	1.2240
Total	0.1981	2.3321	2.7720	5.6600e-003	0.1306	0.0287	0.1592	0.0358	0.0264	0.0622	0.0000	514.8975	514.8975	3.8300e-003	0.0000	514.9779

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					0.0725	0.0000	0.0725	0.0347	0.0000	0.0347	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6300e-003	0.0157	0.1966	3.0000e-004		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	28.0664	28.0664	8.4700e-003	0.0000	28.2441
Total	3.6300e-003	0.0157	0.1966	3.0000e-004	0.0725	4.8000e-004	0.0730	0.0347	4.8000e-004	0.0352	0.0000	28.0664	28.0664	8.4700e-003	0.0000	28.2441

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	0.1976	2.3313	2.7641	5.6400e-003	0.1292	0.0286	0.1578	0.0355	0.0263	0.0618	0.0000	513.6749	513.6749	3.7600e-003	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	5.4000e-004	8.3000e-004	7.9400e-003	2.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2226	1.2226	7.0000e-005	0.0000	1.2240
Total	0.1981	2.3321	2.7720	5.6600e-003	0.1306	0.0287	0.1592	0.0358	0.0264	0.0622	0.0000	514.8975	514.8975	3.8300e-003	0.0000	514.9779

3.5 Building Construction - 2016

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	0.3594	3.0074	1.9525	2.8300e-003		0.2076	0.2076		0.1950	0.1950	0.0000	255.4720	255.4720	0.0634	0.0000	256.8026
Total	0.3594	3.0074	1.9525	2.8300e-003		0.2076	0.2076		0.1950	0.1950	0.0000	255.4720	255.4720	0.0634	0.0000	256.8026

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	0.1214	0.9408	1.6107	2.1700e-003	0.0593	0.0134	0.0727	0.0170	0.0124	0.0293	0.0000	196.3999	196.3999	1.5600e-003	0.0000	196.4327

Worker	0.0653	0.1016	0.9659	1.9300e-003	0.1649	1.3300e-003	0.1663	0.0439	1.2200e-003	0.0451	0.0000	148.7659	148.7659	8.1400e-003	0.0000	148.9367
Total	0.1867	1.0424	2.5766	4.1000e-003	0.2242	0.0148	0.2390	0.0609	0.0136	0.0745	0.0000	345.1657	345.1657	9.7000e-003	0.0000	345.3694

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	0.0344	0.2352	1.8369	2.8300e-003		4.2800e-003	4.2800e-003		4.2800e-003	4.2800e-003	0.0000	255.4717	255.4717	0.0634	0.0000	256.8023
Total	0.0344	0.2352	1.8369	2.8300e-003		4.2800e-003	4.2800e-003		4.2800e-003	4.2800e-003	0.0000	255.4717	255.4717	0.0634	0.0000	256.8023

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	0.1214	0.9408	1.6107	2.1700e-003	0.0593	0.0134	0.0727	0.0170	0.0124	0.0293	0.0000	196.3999	196.3999	1.5600e-003	0.0000	196.4327
Worker	0.0653	0.1016	0.9659	1.9300e-003	0.1649	1.3300e-003	0.1663	0.0439	1.2200e-003	0.0451	0.0000	148.7659	148.7659	8.1400e-003	0.0000	148.9367
Total	0.1867	1.0424	2.5766	4.1000e-003	0.2242	0.0148	0.2390	0.0609	0.0136	0.0745	0.0000	345.1657	345.1657	9.7000e-003	0.0000	345.3694

3.5 Building Construction - 2017

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	0.0295	0.2509	0.1722	2.5000e-004		0.0169	0.0169		0.0159	0.0159	0.0000	22.7505	22.7505	5.6000e-003	0.0000	22.8681
Total	0.0295	0.2509	0.1722	2.5000e-004		0.0169	0.0169		0.0159	0.0159	0.0000	22.7505	22.7505	5.6000e-003	0.0000	22.8681

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	0.0103	0.0762	0.1385	2.0000e-004	5.3400e-003	1.0500e-003	6.3900e-003	1.5300e-003	9.6000e-004	2.4900e-003	0.0000	17.4148	17.4148	1.3000e-004	0.0000	17.4176
Worker	5.2200e-003	8.2200e-003	0.0776	1.7000e-004	0.0149	1.1000e-004	0.0150	3.9500e-003	1.1000e-004	4.0600e-003	0.0000	12.8996	12.8996	6.7000e-004	0.0000	12.9137
Total	0.0155	0.0844	0.2161	3.7000e-004	0.0202	1.1600e-003	0.0214	5.4800e-003	1.0700e-003	6.5500e-003	0.0000	30.3144	30.3144	8.0000e-004	0.0000	30.3313

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	3.1000e-003	0.0212	0.1654	2.5000e-004		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	22.7505	22.7505	5.6000e-003	0.0000
Total	3.1000e-003	0.0212	0.1654	2.5000e-004		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	22.7505	22.7505	5.6000e-003	0.0000	22.8681

Mitigated Construction Off-Site

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
	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	0.0103	0.0762	0.1385	2.0000e-004	5.3400e-003	1.0500e-003	6.3900e-003	1.5300e-003	9.6000e-004	2.4900e-003	0.0000	17.4148	17.4148	1.3000e-004	0.0000	17.4176
Worker	5.2200e-003	8.2200e-003	0.0776	1.7000e-004	0.0149	1.1000e-004	0.0150	3.9500e-003	1.1000e-004	4.0600e-003	0.0000	12.8996	12.8996	6.7000e-004	0.0000	12.9137
Total	0.0155	0.0844	0.2161	3.7000e-004	0.0202	1.1600e-003	0.0214	5.4800e-003	1.0700e-003	6.5500e-003	0.0000	30.3144	30.3144	8.0000e-004	0.0000	30.3313

3.6 Paving - 2017

Unmitigated Construction On-Site

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
	tons/yr										MT/yr					
Off-Road	0.0191	0.2030	0.1473	2.2000e-004		0.0114	0.0114		0.0105	0.0105	0.0000	20.6934	20.6934	6.3400e-003	0.0000	20.8266
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	0.0191	0.2030	0.1473	2.2000e-004		0.0114	0.0114		0.0105	0.0105	0.0000	20.6934	20.6934	6.3400e-003	0.0000	20.8266
--------------	---------------	---------------	---------------	--------------------	--	---------------	---------------	--	---------------	---------------	---------------	----------------	----------------	--------------------	---------------	----------------

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	4.8000e-004	7.5000e-004	7.0800e-003	2.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1773	1.1773	6.0000e-005	0.0000	1.1786
Total	4.8000e-004	7.5000e-004	7.0800e-003	2.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1773	1.1773	6.0000e-005	0.0000	1.1786

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	2.7500e-003	0.0119	0.1693	2.2000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	20.6934	20.6934	6.3400e-003	0.0000	20.8265
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.7500e-003	0.0119	0.1693	2.2000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	20.6934	20.6934	6.3400e-003	0.0000	20.8265

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	4.8000e-004	7.5000e-004	7.0800e-003	2.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1773	1.1773	6.0000e-005	0.0000	1.1786
Total	4.8000e-004	7.5000e-004	7.0800e-003	2.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1773	1.1773	6.0000e-005	0.0000	1.1786

3.7 Architectural Coating - 2017

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	6.2513					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3200e-003	0.0219	0.0187	3.0000e-005		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	2.5533	2.5533	2.7000e-004	0.0000	2.5589
Total	6.2546	0.0219	0.0187	3.0000e-005		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	2.5533	2.5533	2.7000e-004	0.0000	2.5589

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
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	1.1100e-003	1.7500e-003	0.0165	4.0000e-005	3.1600e-003	2.0000e-005	3.1900e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.7471	2.7471	1.4000e-004	0.0000	2.7501
Total	1.1100e-003	1.7500e-003	0.0165	4.0000e-005	3.1600e-003	2.0000e-005	3.1900e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.7471	2.7471	1.4000e-004	0.0000	2.7501

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	6.2513					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0000e-004	1.2900e-003	0.0183	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.5533	2.5533	2.7000e-004	0.0000	2.5589
Total	6.2516	1.2900e-003	0.0183	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.5533	2.5533	2.7000e-004	0.0000	2.5589

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	1.1100e-003	1.7500e-003	0.0165	4.0000e-005	3.1600e-003	2.0000e-005	3.1900e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.7471	2.7471	1.4000e-004	0.0000	2.7501
Total	1.1100e-003	1.7500e-003	0.0165	4.0000e-005	3.1600e-003	2.0000e-005	3.1900e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.7471	2.7471	1.4000e-004	0.0000	2.7501

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	1.9161	3.7462	19.6699	0.0416	3.1369	0.0507	3.1875	0.8414	0.0466	0.8880	0.0000	3,175.9579	3,175.9579	0.1391	0.0000	3,178.8793
Unmitigated	1.9161	3.7462	19.6699	0.0416	3.1369	0.0507	3.1875	0.8414	0.0466	0.8880	0.0000	3,175.9579	3,175.9579	0.1391	0.0000	3,178.8793

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	4,612.59	1,278.58	528.69	8,490,523	8,490,523
Total	4,612.59	1,278.58	528.69	8,490,523	8,490,523

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-	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
-----	------	------	-----	------	------	-----	-----	------	------	-----	------	----

0.579131	0.062714	0.176356	0.114004	0.029626	0.004163	0.015785	0.004086	0.002626	0.003692	0.006605	0.000229	0.000983
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

5.0 Energy Detail

4.4 Fleet Mix

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	2,178.3561	2,178.3561	0.0985	0.0204	2,186.7421
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	2,178.3561	2,178.3561	0.0985	0.0204	2,186.7421
Natural Gas Mitigated	0.0590	0.5366	0.4507	3.2200e-003		0.0408	0.0408		0.0408	0.0408	0.0000	584.1272	584.1272	0.0112	0.0107	587.6821
Natural Gas Unmitigated	0.0590	0.5366	0.4507	3.2200e-003		0.0408	0.0408		0.0408	0.0408	0.0000	584.1272	584.1272	0.0112	0.0107	587.6821

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas 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					
General Office Building	1.09461e+007	0.0590	0.5366	0.4507	3.2200e-003		0.0408	0.0408		0.0408	0.0408	0.0000	584.1272	584.1272	0.0112	0.0107	587.6821
Total		0.0590	0.5366	0.4507	3.2200e-003		0.0408	0.0408		0.0408	0.0408	0.0000	584.1272	584.1272	0.0112	0.0107	587.6821

Mitigated

	Natural Gas 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					
General Office Building	1.09461e+007	0.0590	0.5366	0.4507	3.2200e-003		0.0408	0.0408		0.0408	0.0408	0.0000	584.1272	584.1272	0.0112	0.0107	587.6821
Total		0.0590	0.5366	0.4507	3.2200e-003		0.0408	0.0408		0.0408	0.0408	0.0000	584.1272	584.1272	0.0112	0.0107	587.6821

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	7.48804e+006	2,178.3561	0.0985	0.0204	2,186.7421
Total		2,178.3561	0.0985	0.0204	2,186.7421

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	7.48804e+006	2,178.3561	0.0985	0.0204	2,186.7421
Total		2,178.3561	0.0985	0.0204	2,186.7421

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	2.3888	5.0000e-005	5.0500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.6400e-003	9.6400e-003	3.0000e-005	0.0000	0.0102
Unmitigated	2.3888	5.0000e-005	5.0500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.6400e-003	9.6400e-003	3.0000e-005	0.0000	0.0102

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	0.2813					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Consumer Products	2.1070					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Landscaping	4.9000e-004	5.0000e-005	5.0500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.6400e-003	9.6400e-003	3.0000e-005	0.0000	0.0102
Total	2.3888	5.0000e-005	5.0500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.6400e-003	9.6400e-003	3.0000e-005	0.0000	0.0102

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	0.2813					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.1070					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.9000e-004	5.0000e-005	5.0500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.6400e-003	9.6400e-003	3.0000e-005	0.0000	0.0102
Total	2.3888	5.0000e-005	5.0500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.6400e-003	9.6400e-003	3.0000e-005	0.0000	0.0102

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			

Mitigated	241.1888	3.1333	0.0756	330.4332
Unmitigated	241.1888	3.1339	0.0758	330.4818

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	95.8838 / 58.7675	241.1888	3.1339	0.0758	330.4818
Total		241.1888	3.1339	0.0758	330.4818

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	95.8838 / 58.7675	241.1888	3.1333	0.0756	330.4332
Total		241.1888	3.1333	0.0756	330.4332

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	101.8446	6.0188	0.0000	228.2404
Unmitigated	101.8446	6.0188	0.0000	228.2404

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	501.72	101.8446	6.0188	0.0000	228.2404
Total		101.8446	6.0188	0.0000	228.2404

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	501.72	101.8446	6.0188	0.0000	228.2404
Total		101.8446	6.0188	0.0000	228.2404

9.0 Operational Offroad

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

10.0 Vegetation

**Meridian 25 Office Project
San Mateo County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	539.48	1000sqft	7.95	539,484.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	70
Climate Zone	5			Operational Year	2017
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 - Project details per project plans.
- Grading - Earthwork details from grading plan.
- Demolition -
- Mobile Commute Mitigation -
- Vehicle Trips - Trip rate revised to result in same overall trips as identified in the TDM plan.
- Construction Off-road Equipment Mitigation - Assumed Tier 4 engines.

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
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblGrading	MaterialExported	0.00	123,971.00
tblLandUse	LotAcreage	12.38	7.95
tblProjectCharacteristics	OperationalYear	2014	2017
tblVehicleTrips	WD_TR	11.01	8.55

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					
2016	21.9217	262.3576	264.8134	0.5958	20.8059	5.0603	25.8662	9.9757	4.6544	12.6805	0.0000	59,917.1134	59,917.1134	1.3531	0.0000	59,945.5275
2017	625.5747	34.9004	38.2098	0.0668	2.2139	1.9031	4.1170	0.5988	1.7850	2.3839	0.0000	6,253.7474	6,253.7474	0.7430	0.0000	6,269.3493
Total	647.4964	297.2580	303.0231	0.6626	23.0198	6.9634	29.9832	10.5745	6.4394	15.0643	0.0000	66,170.8608	66,170.8608	2.0960	0.0000	66,214.8768

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					
2016	18.6173	225.4818	258.3912	0.5958	20.8059	2.9103	23.7161	9.9757	2.6802	10.0403	0.0000	59,917.1134	59,917.1134	1.3531	0.0000	59,945.5275
2017	625.2721	10.7236	37.4916	0.0668	2.2139	0.1625	2.3764	0.5988	0.1527	0.7515	0.0000	6,253.7474	6,253.7474	0.7430	0.0000	6,269.3493

Total	643.8894	236.2055	295.8828	0.6626	23.0198	3.0727	26.0925	10.5745	2.8329	10.7918	0.0000	66,170.8608	66,170.8608	2.0960	0.0000	66,214.8768
-------	----------	----------	----------	--------	---------	--------	---------	---------	--------	---------	--------	-------------	-------------	--------	--------	-------------

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.56	20.54	2.36	0.00	0.00	55.87	12.98	0.00	56.01	28.36	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	13.0918	5.3000e-004	0.0561	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1181	0.1181	3.3000e-004		0.1250
Energy	0.3234	2.9401	2.4697	0.0176		0.2235	0.2235		0.2235	0.2235		3,528.1645	3,528.1645	0.0676	0.0647	3,549.6363
Mobile	13.8821	24.7310	136.4650	0.3119	23.3360	0.3612	23.6973	6.2376	0.3325	6.5701		26,238.3934	26,238.3934	1.0950		26,261.3890
Total	27.2973	27.6716	138.9909	0.3296	23.3360	0.5849	23.9209	6.2376	0.5561	6.7937		29,766.6760	29,766.6760	1.1630	0.0647	29,811.1503

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	13.0918	5.3000e-004	0.0561	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1181	0.1181	3.3000e-004		0.1250
Energy	0.3234	2.9401	2.4697	0.0176		0.2235	0.2235		0.2235	0.2235		3,528.1645	3,528.1645	0.0676	0.0647	3,549.6363

Mobile	13.8821	24.7310	136.4650	0.3119	23.3360	0.3612	23.6973	6.2376	0.3325	6.5701		26,238.39 34	26,238.393 4	1.0950		26,261.38 90
Total	27.2973	27.6716	138.9909	0.3296	23.3360	0.5849	23.9209	6.2376	0.5561	6.7937		29,766.67 60	29,766.676 0	1.1630	0.0647	29,811.15 03

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/28/2016	5	20	
2	Site Preparation	Site Preparation	1/29/2016	2/11/2016	5	10	
3	Grading	Grading	2/12/2016	3/10/2016	5	20	
4	Building Construction	Building Construction	3/11/2016	1/26/2017	5	230	
5	Paving	Paving	1/27/2017	2/23/2017	5	20	
6	Architectural Coating	Architectural Coating	2/24/2017	3/23/2017	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 809,226; Non-Residential Outdoor: 269,742 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	162	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73

Grading	Excavators	1	8.00	162	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	125	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	174	0.41
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Paving Equipment	2	8.00	130	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Building Construction	Welders	1	8.00	46	0.45

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	6	15.00	0.00	609.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	15,496.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	173.00	88.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	35.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Clean Paved Roads

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.5897	0.0000	6.5897	0.9977	0.0000	0.9977			0.0000				0.0000
Off-Road	4.2876	45.6559	35.0303	0.0399		2.2921	2.2921		2.1365	2.1365		4,089.2841	4,089.2841	1.1121			4,112.6374
Total	4.2876	45.6559	35.0303	0.0399	6.5897	2.2921	8.8818	0.9977	2.1365	3.1343		4,089.2841	4,089.2841	1.1121			4,112.6374

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	0.7153	8.7969	9.3500	0.0222	0.5271	0.1124	0.6395	0.1441	0.1034	0.2475		2,227.5690	2,227.5690	0.0162			2,227.9094
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0554	0.0734	0.8239	1.6800e-003	0.1415	1.0900e-003	0.1426	0.0375	1.0000e-003	0.0385		142.8501	142.8501	7.3700e-003			143.0048
Total	0.7706	8.8703	10.1739	0.0239	0.6685	0.1135	0.7820	0.1816	0.1044	0.2860		2,370.4190	2,370.4190	0.0236			2,370.9143

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5897	0.0000	6.5897	0.9977	0.0000	0.9977			0.0000			0.0000
Off-Road	0.4739	2.0535	23.8257	0.0399		0.0632	0.0632		0.0632	0.0632	0.0000	4,089.2841	4,089.2841	1.1121		4,112.6374
Total	0.4739	2.0535	23.8257	0.0399	6.5897	0.0632	6.6528	0.9977	0.0632	1.0609	0.0000	4,089.2841	4,089.2841	1.1121		4,112.6374

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	0.7153	8.7969	9.3500	0.0222	0.5271	0.1124	0.6395	0.1441	0.1034	0.2475		2,227.5690	2,227.5690	0.0162		2,227.9094
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0734	0.8239	1.6800e-003	0.1415	1.0900e-003	0.1426	0.0375	1.0000e-003	0.0385		142.8501	142.8501	7.3700e-003		143.0048
Total	0.7706	8.8703	10.1739	0.0239	0.6685	0.1135	0.7820	0.1816	0.1044	0.2860		2,370.4190	2,370.4190	0.0236		2,370.9143

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

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

Category	lb/day										lb/day				
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000		0.0000
Off-Road	5.0771	54.6323	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036		4,065.0053	4,065.0053	1.2262	4,090.7544
Total	5.0771	54.6323	41.1053	0.0391	18.0663	2.9387	21.0049	9.9307	2.7036	12.6343		4,065.0053	4,065.0053	1.2262	4,090.7544

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	0.0664	0.0880	0.9887	2.0200e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.4201	171.4201	8.8400e-003		171.6058
Total	0.0664	0.0880	0.9887	2.0200e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.4201	171.4201	8.8400e-003		171.6058

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	0.4757	2.0615	21.2415	0.0391		0.0634	0.0634		0.0634	0.0634	0.0000	4,065.0053	4,065.0053	1.2262		4,090.7544

Total	0.4757	2.0615	21.2415	0.0391	18.0663	0.0634	18.1297	9.9307	0.0634	9.9941	0.0000	4,065.0053	4,065.0053	1.2262		4,090.7544
--------------	---------------	---------------	----------------	---------------	----------------	---------------	----------------	---------------	---------------	---------------	---------------	-------------------	-------------------	---------------	--	-------------------

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	0.0664	0.0880	0.9887	2.0200e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.4201	171.4201	8.8400e-003		171.6058
Total	0.0664	0.0880	0.9887	2.0200e-003	0.1698	1.3100e-003	0.1711	0.0450	1.2000e-003	0.0462		171.4201	171.4201	8.8400e-003		171.6058

3.4 Grading - 2016

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					7.2533	0.0000	7.2533	3.4736	0.0000	3.4736			0.0000			0.0000
Off-Road	3.6669	38.4466	26.0787	0.0298		2.1984	2.1984		2.0225	2.0225		3,093.7889	3,093.7889	0.9332		3,113.3860
Total	3.6669	38.4466	26.0787	0.0298	7.2533	2.1984	9.4517	3.4736	2.0225	5.4962		3,093.7889	3,093.7889	0.9332		3,113.3860

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	18.1994	223.8376	237.9107	0.5643	13.4111	2.8608	16.2719	3.6668	2.6309	6.2977		56,680.4745	56,680.4745	0.4125		56,689.1367
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0734	0.8239	1.6800e-003	0.1415	1.0900e-003	0.1426	0.0375	1.0000e-003	0.0385		142.8501	142.8501	7.3700e-003		143.0048
Total	18.2548	223.9109	238.7346	0.5660	13.5525	2.8619	16.4145	3.7044	2.6319	6.3362		56,823.3245	56,823.3245	0.4199		56,832.1415

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					7.2533	0.0000	7.2533	3.4736	0.0000	3.4736			0.0000			0.0000
Off-Road	0.3625	1.5709	19.6566	0.0298		0.0483	0.0483		0.0483	0.0483	0.0000	3,093.7889	3,093.7889	0.9332		3,113.3860
Total	0.3625	1.5709	19.6566	0.0298	7.2533	0.0483	7.3017	3.4736	0.0483	3.5220	0.0000	3,093.7889	3,093.7889	0.9332		3,113.3860

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	18.1994	223.8376	237.9107	0.5643	13.4111	2.8608	16.2719	3.6668	2.6309	6.2977		56,680.4745	56,680.4745	0.4125		56,689.1367
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0734	0.8239	1.6800e-003	0.1415	1.0900e-003	0.1426	0.0375	1.0000e-003	0.0385		142.8501	142.8501	7.3700e-003		143.0048
Total	18.2548	223.9109	238.7346	0.5660	13.5525	2.8619	16.4145	3.7044	2.6319	6.3362		56,823.3245	56,823.3245	0.4199		56,832.1415

3.5 Building Construction - 2016

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	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890

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	1.0243	8.6017	12.1736	0.0206	0.5823	0.1267	0.7090	0.1661	0.1165	0.2826		2,058.8331	2,058.8331	0.0162		2,059.1727

Worker	0.6384	0.8461	9.5023	0.0194	1.6314	0.0126	1.6441	0.4327	0.0116	0.4443		1,647.5374	1,647.5374	0.0850		1,649.3225
Total	1.6627	9.4478	21.6759	0.0400	2.2138	0.1393	2.3531	0.5988	0.1281	0.7268		3,706.3705	3,706.3705	0.1012		3,708.4952

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,669.2864	2,669.2864	0.6620		2,683.1890
Total	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,669.2864	2,669.2864	0.6620		2,683.1890

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	1.0243	8.6017	12.1736	0.0206	0.5823	0.1267	0.7090	0.1661	0.1165	0.2826		2,058.8331	2,058.8331	0.0162		2,059.1727
Worker	0.6384	0.8461	9.5023	0.0194	1.6314	0.0126	1.6441	0.4327	0.0116	0.4443		1,647.5374	1,647.5374	0.0850		1,649.3225
Total	1.6627	9.4478	21.6759	0.0400	2.2138	0.1393	2.3531	0.5988	0.1281	0.7268		3,706.3705	3,706.3705	0.1012		3,708.4952

3.5 Building Construction - 2017

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	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490

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	0.9607	7.7349	11.5573	0.0206	0.5825	0.1099	0.6924	0.1661	0.1010	0.2671		2,027.3509	2,027.3509	0.0154		2,027.6735
Worker	0.5699	0.7599	8.5233	0.0194	1.6314	0.0120	1.6435	0.4327	0.0111	0.4438		1,586.5912	1,586.5912	0.0779		1,588.2267
Total	1.5306	8.4948	20.0806	0.0400	2.2139	0.1219	2.3358	0.5988	0.1121	0.7109		3,613.9421	3,613.9421	0.0932		3,615.9003

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490
Total	0.3265	2.2289	17.4110	0.0268		0.0406	0.0406		0.0406	0.0406	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490

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	0.9607	7.7349	11.5573	0.0206	0.5825	0.1099	0.6924	0.1661	0.1010	0.2671		2,027.3509	2,027.3509	0.0154		2,027.6735
Worker	0.5699	0.7599	8.5233	0.0194	1.6314	0.0120	1.6435	0.4327	0.0111	0.4438		1,586.5912	1,586.5912	0.0779		1,588.2267
Total	1.5306	8.4948	20.0806	0.0400	2.2139	0.1219	2.3358	0.5988	0.1121	0.7109		3,613.9421	3,613.9421	0.0932		3,615.9003

3.6 Paving - 2017

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	1.9074	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473		2,281.0588	2,281.0588	0.6989		2,295.7360
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9074	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473		2,281.0588	2,281.0588	0.6989		2,295.7360

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	0.0494	0.0659	0.7390	1.6800e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.5657	137.5657	6.7500e-003		137.7075
Total	0.0494	0.0659	0.7390	1.6800e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.5657	137.5657	6.7500e-003		137.7075

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2745	1.1895	16.9276	0.0223		0.0366	0.0366		0.0366	0.0366	0.0000	2,281.0588	2,281.0588	0.6989		2,295.7360
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2745	1.1895	16.9276	0.0223		0.0366	0.0366		0.0366	0.0366	0.0000	2,281.0588	2,281.0588	0.6989		2,295.7360

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	0.0494	0.0659	0.7390	1.6800e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.5657	137.5657	6.7500e-003			137.7075
Total	0.0494	0.0659	0.7390	1.6800e-003	0.1415	1.0400e-003	0.1425	0.0375	9.6000e-004	0.0385		137.5657	137.5657	6.7500e-003			137.7075

3.7 Architectural Coating - 2017

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	625.1271					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297			282.0721
Total	625.4594	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297			282.0721

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	0.1153	0.1537	1.7244	3.9300e-003	0.3301	2.4300e-003	0.3325	0.0875	2.2400e-003	0.0898		320.9867	320.9867	0.0158		321.3176
Total	0.1153	0.1537	1.7244	3.9300e-003	0.3301	2.4300e-003	0.3325	0.0875	2.2400e-003	0.0898		320.9867	320.9867	0.0158		321.3176

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	625.1271					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0297		282.0721
Total	625.1568	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0297		282.0721

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	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
Worker	0.1153	0.1537	1.7244	3.9300e-003	0.3301	2.4300e-003	0.3325	0.0875	2.2400e-003	0.0898	320.9867	320.9867	0.0158	321.3176	
Total	0.1153	0.1537	1.7244	3.9300e-003	0.3301	2.4300e-003	0.3325	0.0875	2.2400e-003	0.0898	320.9867	320.9867	0.0158	321.3176	

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	13.8821	24.7310	136.4650	0.3119	23.3360	0.3612	23.6973	6.2376	0.3325	6.5701		26,238.3934	26,238.3934	1.0950		26,261.3890
Unmitigated	13.8821	24.7310	136.4650	0.3119	23.3360	0.3612	23.6973	6.2376	0.3325	6.5701		26,238.3934	26,238.3934	1.0950		26,261.3890

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	4,612.59	1,278.58	528.69	8,490,523	8,490,523
Total	4,612.59	1,278.58	528.69	8,490,523	8,490,523

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-	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
0.579131	0.062714	0.176356	0.114004	0.029626	0.004163	0.015785	0.004086	0.002626	0.003692	0.006605	0.000229	0.000983

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	0.3234	2.9401	2.4697	0.0176		0.2235	0.2235		0.2235	0.2235		3,528.1645	3,528.1645	0.0676	0.0647	3,549.6363
NaturalGas Unmitigated	0.3234	2.9401	2.4697	0.0176		0.2235	0.2235		0.2235	0.2235		3,528.1645	3,528.1645	0.0676	0.0647	3,549.6363

5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	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
	kBTU/yr	lb/day										lb/day					

General Office Building	29989.4	0.3234	2.9401	2.4697	0.0176		0.2235	0.2235		0.2235	0.2235		3,528.1645	3,528.1645	0.0676	0.0647	3,549.6363
Total		0.3234	2.9401	2.4697	0.0176		0.2235	0.2235		0.2235	0.2235		3,528.1645	3,528.1645	0.0676	0.0647	3,549.6363

Mitigated

	Natural Gas 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	29.9894	0.3234	2.9401	2.4697	0.0176		0.2235	0.2235		0.2235	0.2235		3,528.1645	3,528.1645	0.0676	0.0647	3,549.6363
Total		0.3234	2.9401	2.4697	0.0176		0.2235	0.2235		0.2235	0.2235		3,528.1645	3,528.1645	0.0676	0.0647	3,549.6363

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	13.0918	5.3000e-004	0.0561	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1181	0.1181	3.3000e-004		0.1250
Unmitigated	13.0918	5.3000e-004	0.0561	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1181	0.1181	3.3000e-004		0.1250

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	1.5414					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.5450					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.4200e-003	5.3000e-004	0.0561	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1181	0.1181	3.3000e-004		0.1250
Total	13.0918	5.3000e-004	0.0561	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1181	0.1181	3.3000e-004		0.1250

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	11.5450					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.4200e-003	5.3000e-004	0.0561	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1181	0.1181	3.3000e-004		0.1250
Architectural Coating	1.5414					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	13.0918	5.3000e-004	0.0561	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1181	0.1181	3.3000e-004		0.1250

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
